ACS Publications

Most Trusted. Most Cited. Most Read.

ABOUT ACS AMERICAN CHEMICAL SOCIETY

With more than 157,000 members, the American Chemical Society (ACS) is the world's largest scientific society and one of the world's leading sources of authoritative scientific information.

A nonprofit organization chartered by Congress, ACS is at the forefront of the evolving worldwide chemical enterprise and the premier professional home for chemists, chemical engineers, and related professionals around the globe.

Chemistry for Life

WHAT ACS DOES

The Society publishes numerous scientific journals and databases; convenes major research conferences; and provides educational, science policy, and career programs in chemistry. ACS also gives more than $22 million every year in grants for basic research in petroleum and related fields.

ACS plays a leadership role in educating and communicating with public policy makers and the general public about the importance of chemistry in our lives. This includes identifying new solutions, improving public health, protecting the environment, and contributing to the economy.

Project SEED offers bright, economically disadvantaged high school students an opportunity to spend a summer conducting chemical laboratory research with the guidance of a chemical scientist.

The ACS Scholars Program provides underrepresented minority undergraduates with the scholarship and mentoring support they need to earn degrees in the chemical sciences.

Advancing Chemistry Teaching supports the professional development of science teachers so they can better present chemistry in the classroom and foster the scientific curiosity of our nation's youth.

Green Chemistry Education and Outreach promotes the implementation of green chemistry and engineering principles into all aspects of the chemical enterprise.

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About ACS Publications

Editorial Excellence for 142 Years

ACS Publications' commitment to publishing high-quality research continues to attract impactful research from top authors around the globe.

➔ Trusted Peer Review

ACS Publications maintains the highest editorial standards, with fast, informed peer review and publication decision-making by prominent editors who are active researchers in the field. Each year more than 60,000 practicing scientists from around the world trust ACS Publications to rapidly advance their very best research. The peer-review process of ACS journals forms the foundation of this trust, ensuring fair and constructive feedback from leading scholars. Commitment to quality peer review enables ACS to produce a portfolio that generates more citations than portfolios two to three times its size.

➔ A Home for Every Type of Research

With a comprehensive portfolio of 60 journals, including our newest open access (OA) mega-journal, *ACS Omega*, ACS Publications has a home for every variety of research. Improvements to the ACS Manuscript Transfer Service make it easier than ever to resubmit research to another journal within the ACS family. Find out more on page 130 or visit **pubs.acs.org/transfer**.

➔ Enhanced Technology

In addition to ACS Paragon Plus, the state-of-the-art platform for manuscript submission and review, ACS brings a number of free publishing tools to the scientific community. The ACS Publishing Center provides authors with free access to tools for evaluating their published articles' citation and download metrics. Authors also enjoy enhanced tools for tracking articles currently under peer review.

Find out more by visiting pubs.acs.org/publish

➔ Rapid Publication

The ongoing introduction of Letters-format journals has allowed ACS Publications to shorten the time from submission to publication to as little as 4 weeks. Just Accepted manuscripts give authors the option of having unredacted versions of their manuscripts posted online within 24 hours of acceptance, thereby shortening publishing times even more. This brings authors' work rapid exposure and gives the scientific community access to valuable information faster than ever before.

➔ Broad Global Exposure

Researchers at more than 5,000 institutions in 85 countries have access to ACS Publications. ACS publishes research from around the globe.

Ue
Unique Element

In 2018, more than **78%** of ACS Publications **article requests** originated from **outside North America**.

What Fuels ACS Publications' Growth

In 2021, five new journals will officially become part of the ACS All Publications Package.

- ***Accounts of Materials Research***
- ***ACS Agricultural Science & Technology***
- ***ACS ES&T Engineering***
- ***ACS ES&T Water***
- ***ACS Food Science & Technology***

Why does ACS Publications' product and technology portfolio continue to expand?

The answer is simple. The science of chemistry and related sciences continues to grow and specialize. With that growth comes increased demand from the scientific community for high-quality technology and publishing venues.

ACS Publications is **highly selective** in the decision to bring new journals to the scientific community. The selection begins with the recognition that a discipline in chemistry or a related science is underserved by currently available publications. Once the need for a new journal has been validated through research and consultation with the scientific community, a proposal for a new journal is presented for consideration and review by ACS editors and an elected board of ACS members to assess scientific validity and need.

By the time a new journal is introduced by ACS Publications, it has already **passed several internal stages of review** by active researchers and ACS members and has received a commitment from the Society to support that field and its respective community for years to come.

ACS Publications' recognition of new areas and growth in journals has **pushed the boundaries of chemistry** for years, reaching and covering the interface with biology, environmental sciences, nanoscience, materials science, and more. These are all areas in which the discovery and dissemination of information help improve our lives and the environment in which we live—furthering ACS' organizational mission.

New ACS journals rapidly earn the trust of the scientific community, win awards from the publishing industry, and become **high-value, top-performing journals**—rounding out the entire ACS portfolio.

Ue
Unique Element

ACS journals earned an impressive median **Impact Factor of 4.473.**

The annual PROSE Awards celebrate the best in professional and scholarly publishing, including books, journals, and electronic content across more than 40 categories.

Submissions from major publishers are judged by expert panels of peer publishers; librarians; and science, technology, and medical professionals. New products launched by ACS are frequently recognized by the publishing community for their valuable contributions to advancing the sciences.

PROSE Awards for New ACS Products

- ***ACS Central Science***—2017 Journal/Award for Innovation
- ***ACS Synthetic Biology***—2013 Best New Journal in Science, Technology & Medicine
- **ACS ChemWorx™**—2013 Best App/eProduct
- ***ACS Catalysis***—2012 Best New Journal in Science, Technology & Medicine
- **C&EN Mobile**—2011 Best eProduct in Physical Sciences & Mathematics
- **ACS Mobile**—2010 Best eProduct in Physical Sciences & Mathematics and Best eProduct/Innovation in ePublishing
- ***ACS Nano***—2008 Best New Journal in Science, Technology & Medicine
- **ACS Web Editions Platform**—2008 Best eProduct Website or Platform
- ***ACS Chemical Biology***—2006 Hawkins Award Winner for Innovation in Journal Publishing

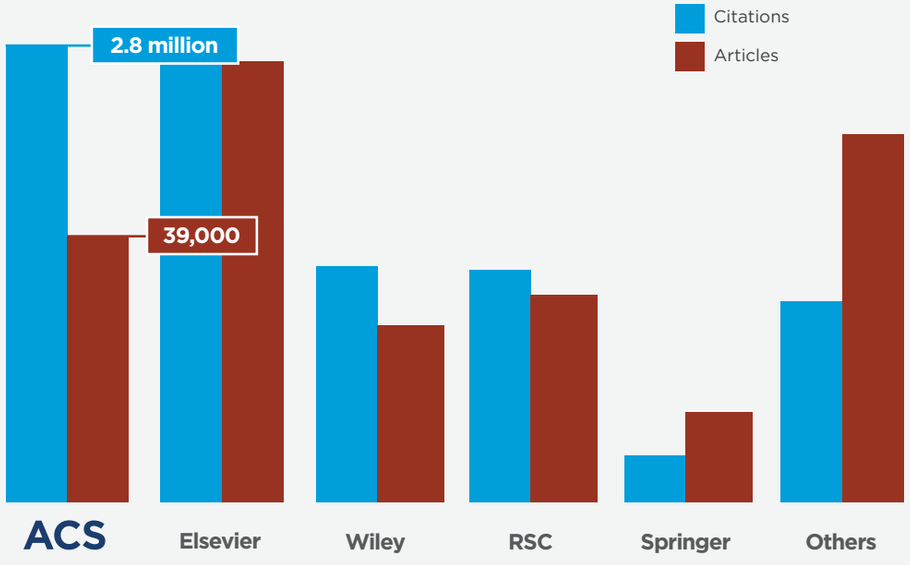
ACS Publications' Unsurpassed Performance

In addition to the rapid acceptance and award-winning performance of new products, ACS Publications' established portfolio continues to exceed expectations and remains the world's **most trusted, most cited, and most read collection of journals** in the chemical and related sciences. This lasting quality is the result of ACS Publications' ongoing commitment to editorial excellence, author benefits, and highly selective growth in the sciences.

➔ Most Cited and Highest Value

In 2019, ACS Publications received 2.8 million citations in the core chemistry categories and published more than 53,000 articles in total, more than 39,000 of which were classified as core chemistry.

Best Overall Value in 2019 by Total Citations and Articles Published in the Core Chemistry Categories



2019 Journal Citation Reports (Clarivate Analytics, 2020)

➔ Newsworthy Content

The research in ACS Publications regularly impacts our daily lives, often in areas far beyond those perceived as chemistry.

Visit **acsinthenews.org** and read about ACS authors from your institution making global headlines in these major news outlets and more:

MSN (New York, NY)
Shape (New York, NY)
ECN Magazine (Rockaway, NJ)
Harvard School of Engineering and Applied Sciences (Cambridge, MA)
Scientific American (New York, NY)
Phys.org (Tilburg, Netherlands)
Science Daily (Sandy Hook, CT)
News Medical (Sydney, Australia)
NPR (Washington, DC)
The Scientist (New York, NY)
Mirror (London, UK)
Medical News Today (Bexhill-on-Sea, UK)
Voice of America News (Washington, DC)
Medical Xpress (Tilburg, Netherlands)
Mental Floss (Tampa, FL)
Business Insider (New York, NY)
Digital Journal (Toronto, Canada)
BBC News (London, UK)
Irish Examiner (Dublin, Ireland)
Daily Mail (London, UK)
Examiner.com (Atlanta, GA)
Discovery News (Silver Spring, MD)
CNN (Atlanta, GA)
Yahoo! News (Sunnyvale, CA)
Nanowerk (Honolulu, HI)
RedOrbit (Dallas, TX)
ABC News (New York, NY)
CNET News (San Francisco, CA)
The Economic Times (New Delhi, India)
Forbes (New York, NY)
Newsweek (New York, NY)
International Business Times (UK)
New Atlas (Victoria, Australia)
The Los Angeles Times (Los Angeles, CA)
Smithsonian.com (Washington, DC)
io9 (Sydney, Australia)

➔ Multidisciplinary Impact

ACS journals aren't just for scientists in white lab coats holding beakers of colored fluid. From cures for diseases to high-tech materials, the research in ACS Publications is as unique and varied as the scientists who read them. **Content in ACS Publications impacts nearly every scientific discipline, including medicine, nanoscience, engineering, environmental studies, computer science, telecommunications, physics, and far beyond.**

Ue
Unique Element

58% of articles that cite ACS Publications are classified as outside the core chemistry categories.

ACS Publications' Impact on Chemistry

In 2019, ACS journals were **cited more than 3.6 million times,** with more than 2.8 million of those citations originating with articles published within the core chemistry categories.

	Journal Impact Factor	Total Cites	Articles
Accounts of Chemical Research	20.8321	72,738	324
ACS Applied Bio Materials	New in 2018		
ACS Applied Electronic Materials	New in 2019		
ACS Applied Energy Materials	4.473	4,671	1,016
ACS Applied Materials & Interfaces	8.758	214,885	5,181
ACS Applied Nano Materials	New in 2018		
ACS Applied Polymer Materials	New in 2019		
ACS Biomaterials Science & Engineering	4.152	5,877	605
ACS Catalysis	12.3501	70,712	1,155
ACS Central Science	12.685	6,666	184
ACS Chemical Biology	4.434	12,884	305
ACS Chemical Health & Safety	Data not available*		
ACS Chemical Neuroscience	4.486	6,881	441
ACS Combinatorial Science	3.381	2,060	86
ACS Earth and Space Chemistry	3.418	820	257
ACS Energy Letters	19.003	18,351	349
ACS Infectious Diseases	4.614	2,184	196
ACS Macro Letters	6.042	10,864	274
ACS Materials Letters	New in 2019		
ACS Medicinal Chemistry Letters	3.975	6,545	258
ACS Nano	14.588	166,989	1,380
ACS Omega	2.870	10,646	2,488
ACS Pharmacology & Translational Science	New in 2018		
ACS Photonics	6.864	13,268	415
ACS Sensors	7.333	6,209	397
ACS Sustainable Chemistry & Engineering	7.632	41,078	2,119
ACS Synthetic Biology	4.411	5,603	286
Analytical Chemistry	6.785	140,785	2,035
Biochemistry	2.865	70,613	514
Bioconjugate Chemistry	4.031	15,877	307
Biomacromolecules	6.092	38,863	427
Chemical & Engineering News	0.461	1,251	213
Chemical Research in Toxicology	3.184	11,878	247
Chemical Reviews	52.758	200,014	209
Chemistry of Materials	9.567	111,299	1,041

**ACS Chemical Health & Safety* (previously *Chemical Health & Safety*) was not indexed prior to its acquisition in 2020.

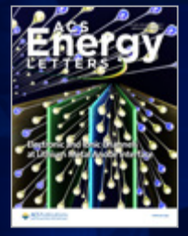
	Journal Impact Factor	Total Cites	Articles
Crystal Growth & Design	4.089	30,972	816
Energy & Fuels	3.421	50,867	1,244
Environmental Science & Technology	7.864	187,990	1,484
Environmental Science & Technology Letters	7.678	3,696	121
Industrial & Engineering Chemistry Research	3.573	79,542	2,145
Inorganic Chemistry	4.825	96,159	1,794
Journal of Agricultural and Food Chemistry	4.192	118,586	1,446
Journal of the American Chemical Society	14.612	556,233	2,507
Journal of the American Society for Mass Spectroscopy	3.255	9,581	281
Journal of Chemical & Engineering Data	2.369	23,357	619
Journal of Chemical Education	1.385	11,622	160
Journal of Chemical Information and Modeling	4.549	19,075	476
Journal of Chemical Theory and Computation	5.011	33,459	579
Journal of Medicinal Chemistry	6.205	74,893	689
Journal of Natural Products	3.779	27,285	409
Journal of Organic Chemistry	4.335	97,162	1,576
Journal of Physical Chemistry A	2.600	59,525	1,097
Journal of Physical Chemistry B	2.857	106,982	1,088
Journal of Physical Chemistry C	4.189	155,280	3,405
Journal of Physical Chemistry Letters	6.710	50,054	1,154
Journal of Proteome Research	4.074	22,281	397
Langmuir	3.557	118,036	1,806
Macromolecules	5.918	102,410	958
Molecular Pharmaceutics	4.321	18,599	483
Nano Letters	11.238	165,521	1,160
Organic Letters	6.091	101,101	2,103
Organic Process Research & Development	3.023	8,196	286
Organometallics	3.804	35,680	510

Thanks to Our Editors, Authors, Reviewers, and Readers, ACS Publications Is a Leader in the Latest Journal Rankings

The peer-reviewed journals of ACS are the most-cited or highest-impact scientific journals in 11 scientific categories, including 5 core chemistry categories, according to the 2019 Journal Citation Reports (Clarivate Analytics, 2020).

Turn to the next page to see where ACS Publications' journals rank!

Select Highlights from ACS Journals



ACS ENERGY LETTERS
RANKS #1 in Impact Factor in the category of Electrochemistry while recording its **highest-ever Impact Factor of 19.003.**

CRYSTAL GROWTH & DESIGN
RANKS #1 in citations in the category of Crystallography.

JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY
RANKS #1 in citations in the categories of Chemistry, Applied; Agriculture, Multidisciplinary; and Food Science & Technology while recording its **highest-ever Impact Factor of 4.192.**

ORGANIC LETTERS
RANKS #1 in citations in the category of Chemistry, Organic.

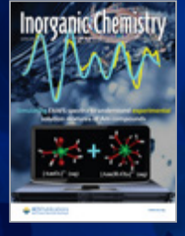
ANALYTICAL CHEMISTRY
RANKS #1 in citations in the category of Chemistry, Analytical while recording its **highest-ever Impact Factor of 6.785**.

ENVIRONMENTAL SCIENCE & TECHNOLOGY
RANKS #1 in citations in the categories of Engineering, Environmental and Environmental Sciences. The journal also recorded its **highest-ever Impact Factor of 7.864.**

JOURNAL OF MEDICINAL CHEMISTRY
RANKS #1 in citations in the category of Chemistry, Medicinal.

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY
RANKS #1 in citations in the category of Chemistry, Multidisciplinary.

CHEMICAL REVIEWS
RANKS #1 in Impact Factor in the category of Chemistry, Multidisciplinary.



INORGANIC CHEMISTRY
RANKS #1 in citations in the category of Chemistry, Inorganic and Nuclear.

MACROMOLECULES
RANKS #1 in citations in the category of Polymer Science.

71% OF ACS JOURNALS (39 out of 55) indexed in JCR **RANKED IN THE TOP QUARTILE** of their subject categories based on Impact Factor.

ACS journals rank **#1 IN IMPACT FACTOR** or citations in 11 categories, including **5 OF THE 7 CORE CHEMISTRY CATEGORIES.**

Chemical Reviews ranks **#10 IN IMPACT FACTOR** out of all of the nearly 13,000 journals indexed in Journal Citation Reports.

The ACS Publications Web Experience

ACS Publications delivers more than **1 million** high-quality research articles from a global community of scientists.

Use a variety of tools to easily read, browse, and search across all our journal articles, book chapters, and news content.

Article pages feature more prominent article metrics and improved navigation to figures, supporting information, and references.

Journal homepages feature simplified navigation to the latest research articles, past issues, and journal information.

SciFinder® A CAS SOLUTION

In addition, integration between ACS Publications and SciFinder allows for easy retrieval of substances indexed in the article, along with author and topical search.

About ACS Publications

An Inspiring Online Platform

Enhanced browsing through article collections.
Preview the graphical and written abstracts of articles.

Made for mobile devices such as tablets and smartphones, with a responsive design and the ability to pair your devices for off-campus access.

View an Online Demo

Learn about all the features of the ACS Publications website. Visit **pubs.acs.org/demo** for tips and guides to improve your searching, browsing, and online research experiences.

Social Media

Stay up to date with the latest news and views from ACS Publications, including *Chemical & Engineering News*, by following us on Twitter, Facebook, and LinkedIn.

ACS Publications and figshare

ACS partners with fig**share**, an open repository that promotes broad discoverability of scientific research data. The ACS partnership with figs**hare** provides our authors and researchers with improved archiving and access to open data sets and other supporting information that often accompany articles published in ACS Publications' peer-reviewed research journals.

Learn more at **acs.figshare.com**.

ACS on Campus

acsoncampus.acs.org

ACS ON CAMPUS

The Value:

Students and faculty will leave an ACS on Campus event feeling confident in their science and empowered to contribute to the larger chemical enterprise.

- ***Get Results.*** Learn the foundations of publishing and informatics processes: Gain exposure to the ACS Editors who are practicing scientists at the top of their fields.
- ***Get Published.*** Share your science with confidence: Learn essential tips for becoming a better writer, reviewer, and communicator.
- ***Get Ahead.*** Develop your career: Network with local professionals and your peers working across scientific disciplines.

ACS is committed to helping the users of subscribing institutions, ACS Members, and the global scientific community achieve their career and publishing goals and access the vast programs and resources of the American Chemical Society.

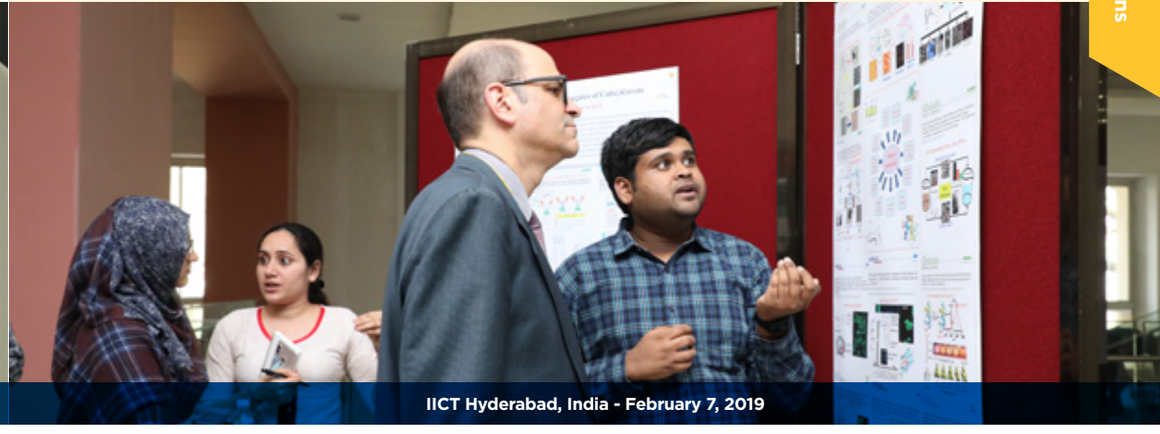
Each year, ACS on Campus brings the world's leaders in chemistry, publishing, research, science communication, chemical education resources, and career development to institutions around the world. ACS on Campus is structured to help students and researchers get published in top journals and advance their careers through engaging sessions and interactive events.

Hong Kong University of Science and Technology - April 19, 2018

ACS on Campus now has programming exclusively for librarians and library school students

At ACS on Campus for Librarians, you'll learn about the latest initiatives from ACS, discuss important topics such as open access and current challenges in librarianship, and network with other librarians.

ACS Fall National Meeting, San Diego, CA - August 26, 2019



IICT Hyderabad, India - February 7, 2019

ACS ON CAMPUS

"The event content is very informative for young scientists, with detailed explanations for manuscript preparation and peer review."
— Fukui University of Technology, Japan

"It was helpful for erudition. In addition to how to publish in ACS journals, the presentation was helpful to understand the steps of publication and the review process a paper has to pass. Moreover, it helps to understand the benefits of being an ACS member."
— Tianjin University, China

"It is an excellent way to get great feedback from not only professionals in their respective fields but also to engage with a very talented, dedicated audience with similar interests and impressive experience."
— University of Florida

"The ACS on Campus event provided great networking opportunities for students to understand educational and employment opportunities directly from professionals. The ACS on Campus event was the perfect event to connect with new and returning members to jump-start another successful year."
— Spelman College Chemistry Club

"The opportunity to talk about science, technology, and education with big names in our areas was phenomenal."
— Universidade de São Paulo

"A great event at the doorstep of the University of Malaya, packed with so much knowledge and great speakers. In short, ACS on Campus offers a compact source of inspiration and motivation."
— University of Malay

"A great opportunity for scientists to have a space like ACS, in which we can share and learn from our colleagues' work, interact with people from different cultures, and contribute to the advancement of science."
— Bogotá, Colombia


Chulalongkorn University, Thailand
October 10, 2019


Universidad de São Paulo, Brazil
May 15, 2019


University of Manchester, UK,
November 30, 2018


Lanzhou University, China,
October 15, 2019

ACS Open Access Options

ACS Supports Open Science

The open science movement seeks to increase transparency, expand access, and broaden the range of research outputs and sources beyond the prescriptive and traditional peer reviewed article.

This expansion supports a global effort to encourage widespread collaboration and scientific exploration, transferring primary research into beneficial application.

ACS is committed to supporting the global research community in this transition. We offer researchers a variety of platform, process, product, and service enhancements that support open science goals and mandates. These efforts include but certainly are not limited to:

- ***100% Open Access journals***
- ***Hybrid Open Access journals***
- ***Read + Publish Agreements***
- ***ACS Data Center and SciMeetings***
- ***ChemRxiv™, The Preprint Server for Chemistry***

ACS Read + Publish Agreements help reduce the burden on administrators while giving authors a seamless, time-saving publishing experience.

ACS offers Read + Publish Agreements to institutions and funders all over the world. Such agreements are established to speed the transition to an open access publishing model. Typically negotiated between the publisher and institution/university (or the principal funder or library consortium that represents them), ACS Read + Publish Agreements involve the offset of the library's subscription costs with open access publishing credits.

ACS Read + Publish Agreements can help researchers accelerate the pace of open access publishing, most notably because they take the responsibility for the direct costs of article publishing charges (APCs) out of the hands of researchers. In addition, because they are built into the manuscript submission process, they save time and reduce administration and approval processes for both authors and library/OA departments.

Note: ACS Read + Publish Agreements are sometimes referred to as "offset" or "transformative" agreements. All terms refer to an agreement between a publisher and an institution in which reading and publishing are bundled.

The result? ACS is helping to make open access publishing easy for authors so they can focus on what's most important: their research.

Learn more about ACS Read + Publish Agreements and how ACS supports open science at
ACSOpenScience.org

ACS Open Access Publishing

ACS Publications offers authors an array of flexible options to publish under an open access license, including licenses for those who must follow Plan S requirements. ACS offers 100% OA journals (often referred to as OA gold journals). In addition, all ACS subscription journals are considered hybrid journals, meaning they permit open access publication upon the payment of an article publishing charge by the author, their institution, or funder.

When you choose ACS open access, ACS will facilitate unrestricted web access to the final published article, the Version of Record, for a one-time fixed payment or, if applicable, via an ACS Read + Publish Agreement with your employer/research institution.

ACS open access options gives you the flexibility to:

- ***Reduce your cost of OA publication by choosing a 12-month delayed Open Access option.***
- ***Add a Creative Commons license (CC-BY for a fee; CC-BY-NC-ND at no extra cost upon request).***
- ***Take advantage of discounts for affiliation with subscribing institutions, ACS membership, and residence in certain countries.***
- ***Have ACS submit the final published article for deposit in selected national or funder repositories, when requested by a qualified author.***

Corresponding authors have the option to make an article open access only after it is accepted for publication. This ensures complete separation between scientific editorial decision-making and economic considerations.

Finally, ACS supports authors who wish to self-archive their accepted manuscript on an institutional, funder, or personal website after an embargo period.

ACS's Fully Open Access Journals

ACS Central Science

ACS Central Science publishes breakthroughs in fundamental chemistry that will form a foundation for developments across a broad range of chemistry-related fields such as biomedicine, materials science, energy science, earth and planetary science, and nanotechnology. Highly selective, high impact, and entirely open access, *ACS Central Science* is dedicated to giving great research every advantage.

ACS Omega

This fully open access journal makes editorial decisions based on the quality of the research presented without considering its perceived impact. *ACS Omega* has a broad, multidisciplinary, and interdisciplinary scope that covers the more than 60 ACS Publications journals. It rapidly publishes high-quality new findings as well as large data sets, noteworthy negative results, mini-reviews, and more.

JACS Au

This sibling journal of the *Journal of the American Chemical Society* (*JACS*) launches in 2020. Complementary to *JACS*, *JACS Au* will match the exceptional editorial and publishing standards of the world's most cited chemistry publication. *JACS Au* will allow for the rapid dissemination of cutting edge, high impact research across the breadth of chemistry and all related areas intersecting with chemistry.

In 2021, ACS will launch an additional nine new fully open access journals as part of the Au (Gold) family of ACS journals. This expansion is a further example of ACS Publications' commitment to open science and to improving the world through the transformative power of chemistry.

Open Science Products and Solutions

ACS offers an array of open science products and services to support librarians and institutions in their expansion of open science activities. These include ChemRxiv, ACS Research Data Center, ACS SciMeetings, and fig**share**.

ACS Central Science

ACS Omega

JACS Au

ACS Research Data Center

The ACS Research Data Center includes the Nuclear Magnetic Resonance (NMR) Packager tool, which allows you to package the raw data from an NMR experiment—the FID—and format it in a consistent manner with useful publication metadata, such as author names and ORCID iDs. You will be able to use these data packages to share your data with colleagues, standardize your group's data storage system, and even submit NMR files to ***The Journal of Organic Chemistry*** and ***Organic Letters***.

*Learn more about the **ACS Research Data Center** by visiting **researchdata.acs.org** and viewing the **FAQs***

ACS SciMeetings

SciMeetings, a fully open platform, ensures your poster or presentation is seen and endures beyond the conference. SciMeetings is a new publishing service from ACS that makes presentations and posters presented at scientific conferences and meetings globally discoverable and easily cited. In line with Open Science goals, it's designed to make early-stage research accessible faster, to a broader audience, and for a longer period than the typical days long window of a scientific meeting. SciMeetings supports open access publishing and can accept text, slides, and multimedia file types. Material published on SciMeetings receives a DOI for easy citation.

*Learn more about SciMeetings at **pubs.acs.org/scimeetings***

figshare

The ACS partnership with fig**share** provides our authors and researchers with improved archiving and access to open data sets and other supporting information that often accompany articles published in ACS Publications' peer-reviewed research journals. Authors are encouraged to submit their supporting information (SI) and supplemental material via more than 100 file formats and researchers can freely download and share all these SI files.

*Learn more about the partnership between ACS and fig**share** at **acs.figshare.com***

ChemRxiv™ ACS RESEARCH DATA CENTER sciMeetings POWERED BY Morressier figshare

Learn more about ACS's open science solutions at
ACSOpenScience.org

ChemRxiv™

chemrxiv.org

ChemRxiv™ is the open preprint server for the global chemistry community

Authors have the opportunity to put their research immediately out on the web and share it with scientists and colleagues prior to formal peer review. ChemRxiv™ is openly accessible, with no subscription fees for readers and no submission charges for authors.

ChemRxiv™ features include:

- **Indexing:** ChemRxiv™ preprints are indexed.
- **DOI assignment:** ChemRxiv™ articles are assigned a Digital Object Identifier (DOI) upon posting, which means your preprint article is fully citable.
- **Submission:** You can easily submit preprints to ChemRxiv™ via a drag-and-drop web upload.
- **Versioning:** A link between the preprint and the final published article will direct interested users to the most recent version.
- **Formatting:** Multiple file formats are available, including downloadable and shareable PDFs.
- **Direct journal submission:** Directly submit your ChemRxiv™ preprint for publication into journals with Direct Journal Transfer!

ChemRxiv™ preprints are not peer reviewed but are checked for plagiarism as well as offensive, dangerous, highly controversial, and nonscientific content.

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ACS Chemistry for Life™ · Chinese Chemical Society · The Chemical Society of Japan · GDCh Gesellschaft Deutscher Chemiker · Royal Society of Chemistry

SciMeetings

scimeetings.acs.org

sciMeetings

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American Chemical Society

SciMeetings enables authors to increase the global visibility of their poster or presentation

SciMeetings, powered by Morressier, is the fully open platform for hosting scientific posters and presentations. Authors who upload to SciMeetings will receive a digital object identifier (DOI) from the world's most trusted publisher of chemical information, the American Chemical Society. This is especially valuable to early-career researchers, as it will help build their publication records, expose them to future collaboration and career opportunities, and ensure their research is discoverable for the long-term benefit of the scientific community.

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Publication Title	Print ISSN	Web ISSN	First Issue	Subscription Coverage	ACS Legacy Archives
Accounts of Chemical Research	0001-4842	1520-4898	1968	1996-Present	1968-1995
Accounts of Materials Research	Web Only	2643-6728	2020	2020-Presen	NA
ACS Agricultural Science & Technology	Web Only	2692-1952	2021	2021-Present	NA
ACS Applied Bio Materials	Web Only	2576-6422	2018	2018-Present	NA
ACS Applied Electronic Materials	Web Only	2637-6113	2019	2019-Present	NA
ACS Applied Energy Materials	Web Only	2574-0962	2018	2018-Present	NA
ACS Applied Materials & Interfaces	1944-8244	1944-8252	2009	2009-Present	NA
ACS Applied Nano Materials	Web Only	2574-0970	2018	2018-Present	NA
ACS Applied Polymer Materials	Web Only	2637-6105	2019	2019-Present	NA
ACS Biomaterials Science & Engineering	Web Only	2373-9878	2015	2015-Present	NA
ACS Catalysis	Web Only	2155-5435	2011	2011-Present	NA
ACS Central Science	Web Only	2374-7951	2015	2015-Present	NA
ACS Chemical Biology	1554-8929	1554-8937	2006	2006-Present	NA
ACS Chemical Health & Safety	1871-5532	1878-0504	1994	1994-Present	NA
ACS Chemical Neuroscience	Web Only	1948-7193	2010	2010-Present	NA
ACS Combinatorial Science	2156-8952	2156-8944	1999	1999-Present	NA
ACS Earth and Space Chemistry	Web Only	2472-3452	2017	2017-Present	NA
ACS Energy Letters	Web Only	2380-8195	2016	2016-Present	NA
ACS ES&T Engineering	Web Only	2690-0645	2021	2021-Present	NA
ACS ES&T Water	Web Only	2690-0637	2021	2021-Present	NA
ACS Food Science & Technology	Web Only	2692-1944	2021	2021-Present	NA
ACS Infectious Diseases	Web Only	2373-8227	2015	2015-Present	NA
ACS Macro Letters	Web Only	2161-1653	2012	2012-Present	NA
ACS Materials Letters	Web Only	2639-4979	2019	2019-Present	NA
ACS Medicinal Chemistry Letters	Web Only	1948-5875	2010	2010-Present	NA
ACS Nano	1936-0851	1936-086X	2007	2007-Present	NA
ACS Omega	Web Only	2470-1343	2016	2016-Present	NA
ACS Pharmacology & Translational Science	Web Only	2575-9108	2018	2018-Present	NA

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Articles published with ACS Publications average more citations than those published anywhere else.

Find out more on p 12.

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ACS Photonics	Web Only	2330-4022	2014	2014-Present	NA
ACS Sensors	Web Only	2379-3694	2016	2016-Present	NA
ACS Sustainable Chemistry & Engineering	Web Only	2168-0485	2013	2013-Present	NA
ACS Synthetic Biology	Web Only	2161-5063	2012	2012-Present	NA
Analytical Chemistry	0003-2700	1520-6882	1929	1996-Present	1929-1995
Biochemistry	0006-2960	1520-4995	1962	1996-Present	1962-1995
Bioconjugate Chemistry	1043-1802	1520-4812	1990	1996-Present	1990-1995
Biomacromolecules	1525-7797	1526-4602	2000	2000-Present	NA
Chemical Research in Toxicology	0893-228X	1520-5010	1988	1996-Present	1988-1995
Chemical Reviews	0009-2665	1520-6890	1924	1996-Present	1924-1995
Chemistry of Materials	0897-4756	1520-5002	1989	1996-Present	1989-1995
Crystal Growth & Design	1528-7483	1528-7505	2001	2001-Present	NA
Energy & Fuels	0887-0624	1520-5029	1987	1996-Present	1987-1995
Environmental Science & Technology	0013-936X	1520-5851	1967	1996-Present	1967-1995
Environmental Science & Technology Letters	Web Only	2328-8930	2014	2014-Present	NA
Industrial & Engineering Chemistry Research	0888-5885	1520-5045	1909	1996-Present	1909-1995
Inorganic Chemistry	0020-1669	1520-510X	1962	1996-Present	1962-1995
Journal of Agricultural and Food Chemistry	0021-8561	1520-5118	1953	1996-Present	1953-1995
Journal of the American Chemical Society	0002-7863	1520-5126	1879	1996-Present	1879-1995
JACS Au	Web Only	2691-3704	2021	2021-Present	NA
Journal of the American Society for Mass Spectrometry	1044-0305	1879-1123	1990	1990-Present	NA
Journal of Chemical & Engineering Data	0021-9568	1520-5134	1956	1996-Present	1956-1995
Journal of Chemical Education	0021-9584	1938-1328	1924	1924-Present	NA
Journal of Chemical Information and Modeling	1549-9596	1549-960X	1961	1996-Present	1961-1995
Journal of Chemical Theory and Computation	1549-9618	1549-9626	2005	2005-Present	NA
Journal of Medicinal Chemistry	0022-2623	1520-4804	1959	1996-Present	1959-1995
Journal of Natural Products	0163-3864	1520-6025	1979	1996-Present	1979-1995
The Journal of Organic Chemistry	0022-3263	1520-6904	1936	1996-Present	1936-1995
The Journal of Physical Chemistry A	1089-5639	1520-5215	1896	1996-Present	1896-1995
The Journal of Physical Chemistry B	1520-6106	1520-5207	1896	1996-Present	1896-1995
The Journal of Physical Chemistry C	1932-7447	1932-7455	1896	1996-Present	1896-1995
The Journal of Physical Chemistry Letters	Web Only	1948-7185	2010	2010-Present	NA
Journal of Proteome Research	1535-3893	1535-3907	2002	2002-Present	NA
Langmuir	0743-7463	1520-5827	1985	1996-Present	1985-1995
Macromolecules	0024-9297	1520-5835	1968	1996-Present	1968-1995
Molecular Pharmaceutics	1543-8384	1543-8392	2004	2004-Present	NA
Nano Letters	1530-6984	1530-6992	2001	2001-Present	NA
Organic Letters	1523-7060	1523-7052	1999	1999-Present	NA
Organic Process Research & Development	1083-6160	1520-586X	1997	1997-Present	NA
Organometallics	0276-7333	1520-6041	1982	1996-Present	1982-1995

Journals by Research Area

ACS journals cover multidisciplinary research at the interface of chemistry and other fields, with content that is relevant to a range of disciplines. This guide is not exhaustive by discipline or research area, and it should only serve as a starting point. Your account manager can provide assistance in selecting a combination of products that will ensure your scientists are always able to access the information they need.

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ACS Food Science & Technology
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Chemical Research in Toxicology
Chemical Reviews
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Macromolecules
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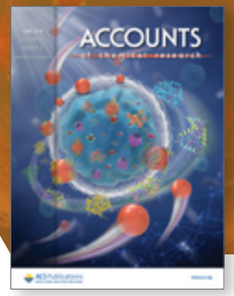
ACCOUNTS of chemical research



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Issue 1: January 1968
24 Issues/Year
2019 Impact Factor: 20.832
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ACCOUNTS —of materials research—

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e-ISSN: 2643-6728
Print ISSN: Online Only
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12 Issues/Year

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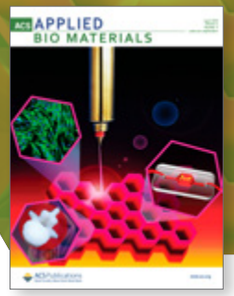

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– Shu Wang, Deputy Editor

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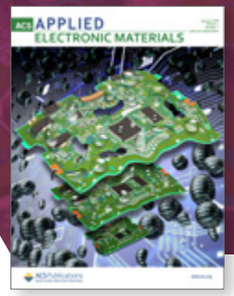

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Exploring New Frontiers in Electronic Materials

A New Resource for Groundbreaking Technology

ACS Applied Electronic Materials is devoted to reports of new and original experimental and theoretical research of an applied nature that integrate knowledge in the areas of materials science, engineering, optics, physics, and chemistry into important applications of electronic materials.

This journal also handles papers that describe theory, modeling, and simulation of electronic materials, synthesis and characterization of electronic materials, micro/nano-electronic fabrication, and device materials that have important applications.

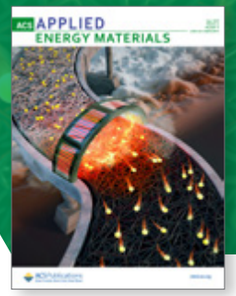
Common Research Areas

- Magnetic, optoelectronic, piezoelectric, ferroelectric, thermoelectric, and superconducting materials
- Flexible devices
- Soft actuators
- Sensors
- Supercapacitors
- Photonic and plasmonic devices
- Energy storage
- Electromechanical systems

Ue
Unique Element

Deputy Editor Dr. Hyun Jae Kim's applications in the field of applied electronics materials have resulted in numerous patent applications with Samsung in the areas of semiconductor production, networking, control systems, displays, power supplies, and even vehicle operations.

ACS APPLIED ENERGY MATERIALS



e-ISSN: 2574-0962
Print ISSN: Online Only
Issue 1: January 2018
12 Issues/Year
2019 Impact Factor: 4.473
2019 Citations: 4,671
2019 Articles Published: 1,016

pubs.acs.org/**acsaem**

Advances in Materials for Energy Devices

A Valuable Resource for Researchers in Energy Fields

ACS Applied Energy Materials will publish broadly in the area of materials for energy generation, storage, conversion, and sustainability. Research will focus on the application of the material or device in a new way, and address either the chemical processes involved in creating the materials or relevant properties of the material produced.

Common Research Areas

- Batteries and supercapacitors
- Electrocatalysis
- Electrochemistry at interfaces
- Fuel cells
- Green and sustainable materials
- Inorganic and organic photovoltaics (including perovskites)
- Layered materials
- Materials for gas separation
- Materials for hydrogen generation and storage
- Self-cleaning materials
- Thermoelectric materials
- Water splitting and photocatalysis

Ue
Unique Element

As we grow more dependent on mobile technology and renewable resources, new materials and applications for generating and storing energy become increasingly important.

ACS APPLIED MATERIALS & INTERFACES

e-ISSN: 1944-8252
Print ISSN: 1944-8244
Issue 1: January 2009
51 Issues/Year
2019 Impact Factor: 8.758
2019 Citations: 214,885
2019 Articles Published: 5,181

pubs.acs.org/**acsami**

Research on Newly Discovered Materials and Interfacial Processes

The International Forum for Applied Materials Science and Engineering

ACS Applied Materials & Interfaces is a publication for the interdisciplinary community of chemists, engineers, physicists, and biologists focusing on how newly discovered materials and interfacial processes can be developed and used for specific applications. Topics include active and passive materials, coatings, colloids, biomaterials and interfaces, polymers, hybrid and composite materials, friction, and wear.

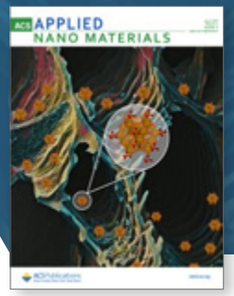
Common Research Areas

- Biological and medical applications of materials and interfaces
- Energy, environmental, and catalysis applications
- Functional inorganic materials and devices
- Organic electronic devices
- Functional nanostructured materials (including low-d carbon)
- Applications of polymer, composite, and coating materials
- Surfaces, interfaces, and applications

Ue
Unique Element

ACS Applied Materials & Interfaces was the first ACS journal to focus on applied science and engineering and has become one of the fastest-growing journals launched in the past decade.

ACS APPLIED NANO MATERIALS



Editor-in-Chief
Kirk S. Schanze
University of Texas at San Antonio

Deputy Editor
T. Randall Lee
University of Houston

e-ISSN: 2574-0970
Print ISSN: Online Only
Issue 1: January 2018
12 Issues/Year

pubs.acs.org/**acsanm**

Exploring Real-World Applications of the Latest Nanotech

A New Journal for In-Demand Applications of the Newest Technology

ACS Applied Nano Materials will publish research on functional nanostructured materials, including design, synthesis or fabrication, characterization, and properties of the materials.

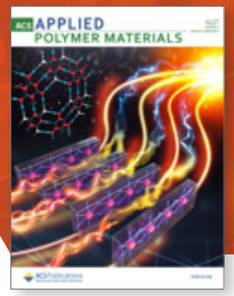
Common Research Areas

- 2D materials
- Carbon nanomaterials (fullerenes, graphenes/graphene oxides, nanotubes, etc.)
- Magnetic materials
- Metal oxides
- Nanoelectronics
- Nanofabrication techniques
- Nanofluidics
- Nanometals
- Nanoprobes
- Plasmonics
- Porous materials (including metal–organic frameworks)
- Quantum dots
- Self-assembly and molecular organization
- Sensors

Ue
Unique Element

Two of the top 20 ranked journals on Google Scholar deal with nanotechnology. *ACS Applied Nano Materials* expands ACS' nanotech portfolio into real-world applications.

ACS APPLIED POLYMER MATERIALS



Editor-in-Chief
Kirk S. Schanze
University of Texas at San Antonio

Deputy Editor
Jodie Lutkenhaus
Texas A&M University

e-ISSN: 2637-6105
Print ISSN: Online Only
Issue 1: January 2019
12 Issues/Year

pubs.acs.org/**acsapm**

Putting Polymer Science to Work

The Most Influential Applications in All Industries

ACS Applied Polymer Materials is devoted to reports of new and original experimental and theoretical research of an applied nature that integrates knowledge in the areas of materials, engineering, physics, bioscience, polymer science, and chemistry into important polymer applications. The journal is specifically interested in work that addresses relationships among structure, processing, morphology, chemistry, properties, and function.

Common Research Areas

- Separations
- Membranes
- Adhesives
- Coatings
- Sensing
- Adaptive and reconfigurable materials
- Electronics and photonics
- Biomaterials
- Composites
- Polymer applications in energy storage and conversion

Ue
Unique Element

ACS Applied Polymer Materials complements not only the ACS suite of applied materials journals but also the fundamental materials science journals, including *Chemistry of Materials, Langmuir, Biomacromolecules, Macromolecules, ACS Macro Letters, The Journal of Physical Chemistry B,* and *The Journal of Physical Chemistry Letters.*

ACS Biomaterials SCIENCE & ENGINEERING

Editor-in-Chief
David L. Kaplan
Tufts University

e-ISSN: 2373-9878
Print ISSN: Online Only
Issue 1: January 2015
12 Issues/Year
2019 Impact Factor: 4.152
2019 Citations: 5,877
2019 Articles Published: 605

pubs.acs.org/**biomaterials**

Research at the Intersection of Chemistry, Biology, Materials Science, and Engineering

A Publication That Unites Scientific Disciplines

ACS Biomaterials Science & Engineering, led by a distinguished editorial team, publishes original biomaterial research addressing the rapid growth fueled by the biomedical and biotechnology industries. This monthly journal provides a high-quality, broadly scoped forum for this research that is integral to chemistry and other allied fields of study related to chemical sciences.

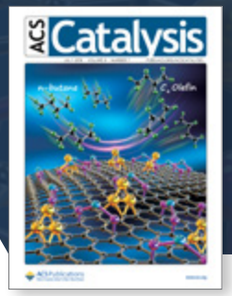
Common Research Areas

- Modeling and informatics tools for biomaterials
- Synthesis and modulation of new biomaterials
- Bioinspired and biomimetic approaches to biomaterials
- Biomaterial interfaces and interactions
- Health risk studies of biomaterials
- Manufacturing, technology, and tissues in the context of biomaterials
- Bioresponsive biomaterials, bioelectronics, and bioMEMS
- Biomaterial-based devices and prosthetics
- Regenerative medicine, genetic designs, and bioengineering

Ue
Unique Element

The global biomaterials market is estimated to reach $256.2 billion by 2025, up from $94 billion in 2018—an annual growth rate of more than 15%.

ACS Catalysis



Editor-in-Chief
Christopher W. Jones
Georgia Institute of Technology

e-ISSN: 2155-5435
Print ISSN: Online Only
Issue 1: January 2011
24 Issues/Year
2019 Impact Factor: 12.350
2019 Citations: 70,712
2019 Articles Published: 1,155

pubs.acs.org/**catalysis**

Preeminent Journal Dedicated to the Best in All Fields of Catalysis Research

A Leader in Homogeneous, Heterogeneous, and Biological Catalysis

Application coverage includes life sciences, drug discovery and development, household products, polymer discovery and production, environmental protection, and energy and fuels. Specifically, the journal includes both original experimental and theoretical research and reviews.

Winner of the **2012 PROSE Award** for Best New Journal in Science, Technology & Medicine

Common Research Areas

- Heterogeneous catalysis
- Molecular catalysis
- Biocatalysis

Ue
Unique Element

ACS Catalysis achieved the highest first-year Impact Factor of any catalysis journal and is ranked #2 in Chemical Kinetics & Catalysis by Google Scholar.

ACS central science

Editor-in-Chief
Carolyn R. Bertozzi
Stanford University

e-ISSN: 2374-7951
Print ISSN: Online Only
Issue 1: March 2015
12 Issues/Year
2019 Impact Factor: 12.685
2019 Citations: 6,666
2019 Articles Published: 184

pubs.acs.org/**centralscience**

The Premier Open Access Journal from ACS

Groundbreaking Research That's Free to Read, with No Author Fees

ACS Central Science publishes breakthroughs in fundamental research that will form a foundation for developments across a broad range of chemistry-related fields, such as biomedicine, energy science, nanotechnology, materials science, and earth and planetary science. The journal also includes a diverse selection of reviews, interviews, and commentary material.

Common Research Areas

- Electrosynthesis
- Drug discovery methods
- Future of metal–organic frameworks
- Multidimensional polymerization with organic framework
- Predictable organic reactions
- Redox catalysis reactions
- Photocatalytic reaction acceleration and standardization
- Nano catalysts
- mRNA imaging, magnetic resonance imaging of tumors

No more than 100–200 articles will be published each year, making the journal fiercely selective.

ACS Central Science does not levy any article processing fees on authors. Authors whose papers are selected for publication in *ACS Central Science* receive an ACS AuthorChoice license for immediate open availability at no charge.

Ue
Unique Element

ACS Central Science goes beyond any other ACS journal in covering a broader expanse of chemistry-related fields. It is a fully Open Access journal, where all articles are feely accessible and with no author publishing fees.

ACS chemical biology

Editor-in-Chief
Laura L. Kiessling
Massachusetts Institute of Technology

e-ISSN: 1554-8937
Print ISSN: 1554-8929
Issue 1: February 2006
12 Issues/Year
2019 Impact Factor: 4.434
2019 Citations: 12,884
2019 Articles Published: 305

pubs.acs.org/**acschemicalbiology**

Research at the Intersection of Chemistry and Biology

Exploring Cellular Function from Both Chemical and Biological Perspectives

ACS Chemical Biology publishes research in which molecular reasoning has been used to probe questions through in vitro investigations, cell biological methods, or organismic studies. The journal presents unique research in topic areas including proteins, nucleic acids, sugars, lipids, and nonbiological polymers.

Common Research Areas

- Cellular and enzyme inhibition
- Measuring protein interactions
- New protein-labeling technology for cell imaging and protein analysis
- Heteroaromatic sulfones as a new class of biologically compatible selective reagents
- Proteomic profiling of reactive drug metabolites targets
- Induced protein degradation as therapeutic strategy
- Family of small molecules enhances pharmacological effectiveness of antisense
- Regulating kinase activity in human neural cells
- Protein modification level regulation
- Tryptophan-based chromophores

Ue
Unique Element

ACS Chemical Biology includes an "Introducing Our Authors" section. This provides a medium for authors to add information and context to their publications through podcasts, which are popular among younger audiences.

ACS CHEMICAL HEALTH & SAFETY

Editor-in-Chief
Mary Beth Mulcahy
Sandia National Laboratories

e-ISSN: 1878-0504
Print ISSN: 1871-5532
Issue 1: January 1994
6 Issues/Year

ACS Chemical Health & Safety is co-published with the ACS Division of Chemical Health and Safety.

pubs.acs.org/**acschemhealthsafety**

The Science of Safe Chemistry from Concept to Execution

Good Science Is Safe Science

ACS Chemical Health & Safety is a global journal devoted to recognizing the importance of safety within the chemistry ecosystem. The journal aims to be a forum publishing high quality articles focusing on safety issues of interest to the broad, international chemistry community and the development of safety as a chemistry subdiscipline. To stay abreast of the changing safety landscape, it is critical that all researchers receive access to safety information, regulatory updates, effective chemical hygiene practices, and hazard assessment tools. The journal is specifically interested in new research, topical news, scholarly discussions, educational content, reviews, and case studies.

Common Research Areas

- Chemical safety and risk assessment
- Safety education and training
- Security procedures
- Laboratory and chemical storage layout
- Emergency response and planning
- Hazardous materials
- Emerging contaminants
- Regulatory requirements and implementation
- Human factors
- Informative regulatory updates
- Laboratory incidents and lessons learned

Ue
Unique Element

A unique addition to the ACS Publications portfolio, *ACS Chemical Health & Safety* will focus on issues that advance chemical health and safety, reinforcing the importance of ethical and responsible professional behavior. *ACS Chemical Health & Safety* aims to serve as a stock exchange where a diverse community of scientists and safety professionals trade and refine ideas.

ACS Chemical Neuroscience

Editor-in-Chief
Craig W. Lindsley
Vanderbilt University School of Medicine

e-ISSN: 1948-7193
Print ISSN: Online Only
Issue 1: January 2010
24 Issues/Year
2019 Impact Factor: 4.4862018
2019 Citations: 6,881
2019 Articles Published: 441

pubs.acs.org/**chemneuro**

Investigating Molecular Mechanisms in Neuroscience

Squarely at the Intersection of Chemistry and Neurobiology

ACS Chemical Neuroscience publishes high-quality research articles and reviews that showcase chemical, quantitative biological, biophysical, and bioengineering approaches to the understanding of the nervous system and to the development of new treatments for neurological disorders. Research in the journal focuses on aspects of chemical neurobiology and bioneurochemistry, such as neuropharmaceuticals, therapeutics, disease detection, mechanistic insights, and imaging technology, among others.

Common Research Areas

- Neurotransmitters and receptors
- Neuropharmaceuticals and therapeutics
- Neural development: plasticity and degeneration
- Chemical, physical, and computational methods in neuroscience
- Neuronal diseases: basis, detection, and treatment
- Mechanism of aging, learning, memory, and behavior
- Pain and sensory processing
- Neurotoxins
- Neuroscience-inspired bioengineering
- Development of methods in chemical neurobiology
- Neuroimaging agents and technologies
- Animal models for central nervous system diseases
- Behavioral research

Ue
Unique Element

ACS Chemical Neuroscience periodically highlights important areas of research interest through special issues. Recent topics include monitoring molecules in neuroscience, serotonin, and Alzheimer's disease.

ACS Combinatorial Science

Editor-in-Chief

M. G. Finn

Georgia Institute of Technology

e-ISSN: 2156-8944
Print ISSN: 2156-8952
Issue 1: January 1999
12 Issues/Year
2019 Impact Factor: 3.381
2019 Citations: 2,060
2019 Articles Published: 86

pubs.acs.org/**acscombsci**

Combinatorial and Evolutionary Methods to Discover and Optimize Molecular Function

A Leader in Combinatorial and High-Throughput Studies

ACS Combinatorial Science publishes research describing the development and use of combinatorial, high-throughput, and related methods in chemistry, materials science, and biology. Topics include molecular synthesis and screening, biological and bioinspired development of molecular function, molecular systems exhibiting feedback and evolution, combinatorial synthesis and testing of polymers and materials, parallel operations and engineering, robotics and automation, and analytical and computational methods, among many others.

Common Research Areas

- Discovery and optimization of biologically active compounds
- Combinatorial synthetic chemistry
- High-throughput and novel assays and analytical techniques
- Combinatorial and high-throughput discovery and optimization of new materials
- Directed evolution of proteins and nucleic acids
- Tools and techniques for molecular evolution
- Use of evolving biological systems and organisms for molecular function
- Robotics and microfluidic technologies
- Theoretical and computational tools supporting combinatorial and high-throughput research

Ue
Unique Element

ACS Combinatorial Science Editor-in-Chief M. G. Finn is a professor and chair of the School of Chemistry and Biochemistry at Georgia Institute of Technology. He studied under Nobel Laureate K. Barry Sharpless at Massachusetts Institute of Technology.

ACS Earth and Space Chemistry

Editor-in-Chief

Joel D. Blum

University of Michigan

e-ISSN: 2472-3452
Print ISSN: Online Only
Issue 1: March 2017
12 Issues/Year
2019 Impact Factor: 3.418
2019 Citations: 820
2019 Articles Published: 257

pubs.acs.org/**acsearthspacechemistry**

Exploring Chemistry, from Earth to the Cosmos

Exploring the Chemistry of Earth, Atmosphere, Ocean, and Space

ACS Earth and Space Chemistry addresses the application of analytical, experimental, and theoretical chemistry to investigate research questions relevant to Earth and space. The journal explores important topics with practical consequences, such as climate change, sustainability of soil and water resources, exploration for natural resources, and changes in atmospheric and ocean chemistry.

Common Research Areas

Earth Interior
- Mineral-melt phase equilibria, partitioning, and kinetics
- Mineralogy and mineral physics
- Igneous and metamorphic petrology, petrogenesis, and geochronology

Earth Surface
- Mineral–microbe–water reactions, thermodynamics, and kinetics
- Reactive transport modeling and colloid transport
- Multiscale science and scaling of geochemical and biogeochemical reactions

Atmosphere
- Atmospheric composition and reaction pathways
- Chemistry–climate interactions
- Biogeochemical cycles

Ocean
- Chemical fluxes and marine trace-element chemistry
- Effects of global change on marine chemistry and the cryosphere
- Chemistry of the paleoenvironment

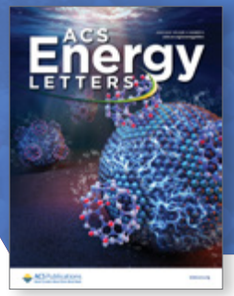
Space
- Chemistry of planetary atmospheres and surfaces
- Investigations of meteorites and tektites
- Properties of cometary and interstellar materials
- Spectroscopy and chemistry of stars, interstellar clouds, and planetary formation

Ue
Unique Element

Editor Joel D. Blum's work has been recognized with awards from the Geochemical Society, the Sloan Foundation, and the National Science Foundation, among others.

ACS Energy Letters

Editor-in-Chief
Prashant V. Kamat
University of Notre Dame



e-ISSN: 2380-8195
Print ISSN: Online Only
Issue 1: July 2016
12 Issues/Year
2019 Impact Factor: 19.003
2019 Citations: 18,351
2019 Articles Published: 349

pubs.acs.org/**acsenergyletters**

Rapid Publication of Energy Capture, Conversion, Storage, and More

Accelerating the Speed of Energy Research

ACS Energy Letters has interdisciplinary appeal to experimentalists, computational and theoretical chemists, and energy device makers who seek to gain insights into new energy advances. In addition to original research letters, the interdisciplinary journal includes perspectives from prominent researchers, reviews on emerging areas of interest, and viewpoints from the scientific community. *ACS Energy Letters* publishes papers that report new scientific advances in all aspects of energy research.

The highest Impact Factor in Electrochemistry

Common Research Areas

- Energy materials, light-harvesting assemblies
- Energy conversion processes (catalysis and photocatalysis)
- Solar fuels (hydrogen production, carbon dioxide reduction)
- Inorganic, organic, and hybrid photovoltaics
- Photosynthesis and biofuels
- Fuel cells, storage batteries, and supercapacitors
- Plasmonics, OLEDs, and light display systems
- Tandem devices, piezoelectric and thermoelectric processes

Ue
Unique Element

ACS Energy Letters is led by Editor-in-Chief Prashant Kamat, former Deputy Editor of *The Journal of Physical Chemistry Letters*, where he helped it become the highest Impact Factor journal in Physics, Atomic, Molecular & Chemical in its first 5 years of publication.

ACS ES&T Engineering

Editor-in-Chief
Wonyong Choi
Pohang University of Science and Technology

e-ISSN: 2690-0645
Print ISSN: Online Only
Issue 1: January 2021
12 Issues/Year

pubs.acs.org/**estengg**

High-Impact Environmental Technology and Engineering

Cutting-Edge Knowledge and Engineering Solutions for Environmental Issues of Today and Tomorrow

ACS ES&T Engineering publishes high-impact research and review/perspective articles in all areas of environmental technology and engineering through a highly rigorous peer-review process. It is a specialist journal that aims to serve as an international forum for research and innovation around materials, technologies, processes, data analytics, and engineering systems that manage, protect and remediate air, water and soil quality; treat waste; recover resources; support effective decision-making within complex engineered systems; and are informed by mechanistic science and analytics that describe complex environmental engineering systems. It also publishes studies investigating the mechanisms of complex environmental engineering systems.

Common Research Areas

- Novel materials, technologies, processes, data analytical methods, and systems that relate to environmental studies and issues
- Novel separation, desalination, and resource recovery technologies
- Environmental nanotechnology and biotechnology
- Environmental catalysis for pollution abatement and cleaner sustainable processes
- Redox processes for engineering applications
- Waste management, treatment, valorization, and waste-to-energy
- Environmental technologies developed for monitoring, sensing, and assessing environmental exposure and hazards
- Macroscopic and microscopic mechanisms that inform environmental engineering systems
- Novel analytical and simulation methods (e.g., data-driven science, artificial intelligence, machine learning, data scraping) for environmental engineering applications

Ue
Unique Element

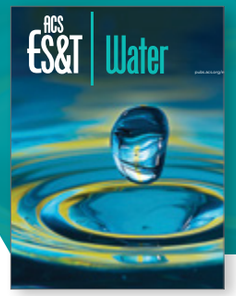
"The global community is paying more and more attention to environmental problems because of the evident global impacts such as climate change, water shortage, air quality, and ubiquitous and persistent micropollutants and microplastics. In response, the environmental research field is rapidly expanding to, and merging with, other disciplines.

The journal will cover all the important issues in environmental technology and engineering and will serve as a primary source where people seek cutting-edge knowledge and engineering solutions for environmental issues of today and tomorrow."

– Wonyong Choi, Editor-in-Chief

ACS ES&T Water

Editor-in-Chief
Shane Snyder
Nanyang Technological University



e-ISSN: 2690-0637
Print ISSN: Online Only
Issue 1: January 2021
12 Issues/Year

pubs.acs.org/**estwater**

A Focus on Advancements in Water Research

An International, Multidisciplinary Forum for Water Research

ACS ES&T Water is a high-quality specialist journal dedicated to water research and policy. This international, multidisciplinary journal publishes novel, high-impact, peer-reviewed research on all aspects of water quality, chemistry, treatment, protection, and sustainable use/reuse and supply. The journal considers both marine and freshwater environments as well as water utilized for industrial and municipal applications. *ACS ES&T Water*'s multidisciplinary research focus also welcomes other water-related research fields. It also publishes articles describing public policy and the underlying science utilized for decision-making.

Common Research Areas

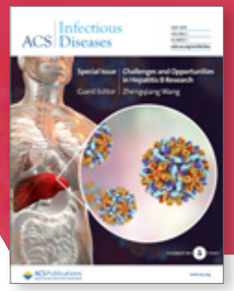
- Water quality and the transformation, transport, and behavior of anthropogenic and geogenic physical, chemical, and biological contaminants in aqueous environments (groundwater, surface water, snow/ice, precipitation, and marine water)
- Water treatment, including biological, physicochemical, separation, and natural processes
- Water management, reuse, and sustainable supply
- Marine, estuarine, and freshwater biogeochemistry
- Direct and indirect impacts of climate change and/or sea level rise
- Remediation and restoration of natural aquatic systems
- Innovative technologies for water quality monitoring and spatial vulnerability assessments
- Modelling groundwater, surface water, and marine flow and contaminant behavior, transport, and fate
- Impact of new technologies on water quality remediation and protection from point and nonpoint sources
- Spatial data on global and local water supply and water quality monitoring data trends
- Water quality impacts to public and environmental health, including pathogen, chemical, and physical stressors
- Risk assessment, regulatory frameworks, life-cycle assessments, economic impact calculations, and social science implications

Ue
Unique Element

"My vision for *ACS ES&T Water* is to grow the journal into the predominant outlet for scientific data within the water and environment domains. Water is essential to our lives and societies, and the journal will explore the intricacies of how this crucial resource can be managed and supported as countries around the world face urgent challenges."
– Shane A. Snyder, Editor-in-Chief

ACS Infectious Diseases

Editor-in-Chief
Courtney C. Aldrich
University of Minnesota



e-ISSN: 2373-8227
Print ISSN: Online Only
Issue 1: January 2015
12 Issues/Year
2019 Impact Factor: 4.614
2019 Citations: 2,184
2019 Articles Published: 196

pubs.acs.org/**infectious**

The First Journal Focused on the Role of Chemistry in Infectious Disease

The Basic Science That Lays a Foundation for Clinical Advances

ACS Infectious Diseases publishes research focused on infectious diseases, with a strong emphasis on the basic science that advances the field and lays the foundation for the clinical sciences. This uniquely focused journal provides a top-quality forum for the publication of novel findings relating to microbes, from molecular biology to therapeutics, with particular emphasis on the chemical interface between the microbe and its host.

Common Research Areas

- Molecular mechanisms of pathogenesis
- Assessment of potential drug targets and physicochemical basis for cellular penetration of anti-infectives
- Mechanistic investigations of antimicrobial resistance
- Vaccines and adjuvants
- Structural, physical, or computational investigations of epitope binding
- Diagnostics and diagnostic targets
- Delivery of antimicrobial agents

Ue
Unique Element

ACS Infectious Diseases aims to bridge the gap between chemistry and the biology of infectious diseases to develop new diagnostics and targeted therapeutics.

ACS Macro Letters

Editor-in-Chief
Stuart J. Rowan
The University of Chicago

e-ISSN: 2161-1653
Print ISSN: Online Only
Issue 1: January 2012
12 Issues/Year
2019 Impact Factor: 6.042
2019 Citations: 10,864
2019 Articles Published: 274

pubs.acs.org/**macroletters**

Rapid Communications in Soft Matter Sciences

Highest-Impact, Fastest-Communication Medium in Polymer Science and Engineering

ACS Macro Letters is the publication complement to *Macromolecules,* the most cited journal in polymer chemistry. *ACS Macro Letters* publishes highly valuable research that helps scientists and engineers be the first to leverage discoveries in polymer and materials science to solve challenges in biomedicine, energy, sustainability, and beyond.

Common Research Areas

- Nanotechnology
- Self-assembly
- Supramolecular chemistry
- Biomaterials
- Energy generation and storage
- Renewable/sustainable materials

Ue
Unique Element

ACS Macro Letters boasts an impressive speed to publication of fewer than 7 weeks from submission to publication. It is also the highest-impact journal publishing polymer science communications.

ACS Materials Letters

Editor-in-Chief
Jillian M. Buriak
University of Alberta

e-ISSN: 2639-4979
Print ISSN: Online Only
Issue 1: July 2019
12 Issues/Year

pubs.acs.org/**amlcef**

At the Forefront of Fundamental and Applied Materials Research

A Forum for Cutting-Edge and Urgent Results

ACS Materials Letters publishes high quality and urgent contributions on the forefront of fundamental and applied research, at the interface between materials and other disciplines, such as chemistry, engineering, and biology. *ACS Materials Letters* is dedicated to publishing the most transformative materials research with very fast processing times. Journal editors and staff routinely attend major scientific conferences and closely engage with readers and authors.

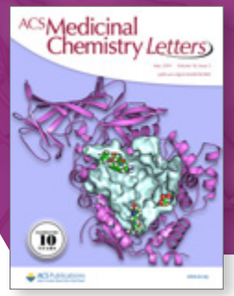
Common Research Areas

- Design, synthesis, characterization, and evaluation of forefront and emerging materials
- Understand structure, property, and performance relationships and their underlying mechanisms
- Develop materials for energy, environmental, biomedical, electronic, and catalysis applications

Ue
Unique Element

"Materials chemistry continues to rapidly grow in a diverse range of areas. We envision *ACS Materials Letters* to become an ideal home for transformative materials research that has broad and profound impacts on energy, environmental, and biomedical fields. We look forward to seeing contributions that showcase multidisciplinary and innovative materials research addressing global challenges."
– Bin Liu, Deputy Editor

ACS Medicinal Chemistry Letters



Editor-in-Chief
Dennis C. Liotta
Emory University

e-ISSN: 1948-5875
Print ISSN: Online Only
Issue 1: April 2010
12 Issues/Year
2019 Impact Factor: 3.975
2019 Citations: 6,545
2019 Articles Published: 258

pubs.acs.org/**acsmedchemlett**

Rapid Publication of Essential Research Impacting Medicine

Helping Researchers Design, Optimize, and Evaluate Biologically Active Substances

ACS Medicinal Chemistry Letters provides researchers with critical and timely research in the area of drug discovery and evaluation. *ACS Medicinal Chemistry Letters* is one of the most trusted and cited sources of information for understanding mechanisms underlying drug disposition and response, staying current on recent clinical candidates, learning methods for enhancing drug design, translating medicinal chemistry into the clinic, identifying new targets, and evaluating computer-aided methodologies.

Common Research Areas

- Assessment of lead biologically active molecules and drugs
- Biological characterization of new molecular entities
- Identification and SAR analysis of bioactive molecules, ligands, and their targets
- Novel and improved methodologies, including radiation biochemistry
- Discovery technologies for biologically active molecules
- Pharmacokinetic/pharmacodynamic mechanism studies
- Pharmacogenetic and pharmacogenomic enhancement studies
- Mechanistic drug metabolism and regulation of metabolic enzyme gene expression

Ue
Unique Element

ACS Medicinal Chemistry Letters also publishes Viewpoints, expert commentary on emerging topics, and Patent Highlights, short summaries of high-interest patents with commentary on potential impact.

ACS NANO

Editor-in-Chief
Paul S. Weiss
University of California, Los Angeles

e-ISSN: 1936-086X
Print ISSN: 1936-0851
Issue 1: August 2007
12 Issues/Year
2019 Impact Factor: 14.588
2019 Citations: 166,989
2019 Articles Published: 1,380

pubs.acs.org/**acsnano**

Global Forum for the Most Important Comprehensive Articles in Nano Research

Defining Nanoscience and Nanotechnology

ACS Nano offers thorough reviews, perspectives on cutting-edge research, conversations with nanoscience and nanotechnology thought leaders, and discussions of topics that provide distinctive views about the future of nanoscience and nanotechnology from around the world.

Winner of the **2008 PROSE Award** for Best New Journal in Science, Technology & Medicine

Common Research Areas

- Synthesis, assembly, characterization, theory, and simulation of nanostructures
- Nanomaterials and assemblies, nanodevices, and self-assembled structures
- Nanobiotechnology
- Nanofabrication
- Methods and tools for nanoscience and nanotechnology
- Self-assembly and directed assembly

Ue
Unique Element

Google Scholar ranks *ACS Nano* #1 in Nanotechnology, #3 in Materials Engineering, #7 in Engineering & Computer Science, and #22 of all journals in all fields.

ACS OMEGA

Editors-in-Chief

Krishna Ganesh

Indian Institute of Science Education and Research

Deqing Zhang

Institute of Chemistry, Chinese Academy of Sciences

e-ISSN: 2470-1343
Print ISSN: Online Only
Issue 1: July 2016
51 Issues/Year
2019 Impact Factor: 2.870
2019 Citations: 10,646
2019 Articles Published: 2,488

pubs.acs.org/**acsomega**

A Fully Open-Access Journal Committed to Rapid Publication and High-Quality Peer Review

Broad Scope and Global Reach

ACS Omega has a broad, multidisciplinary scope that spans the research areas covered by the more than 60 ACS Publications journals and beyond. The journal focuses its editorial decisions on the research itself, not on a perceived evaluation of immediate impact. It publishes high-quality new findings, studies that demonstrate reproducibility of existing research, large data sets, and noteworthy negative results.

Common Research Areas

- Agriculture and food chemistry
- Biochemistry
- Catalysis
- Chemical biology
- Chemical engineering
- Energy research
- Environmental, green, and sustainable chemistry
- Geochemistry
- Industrial chemistry
- Materials science
- Medicinal chemistry
- Nanoscience
- Pharmaceutics
- Pharmacology
- Physical chemistry
- Sensors

The cost to publish in *ACS Omega* is highly competitive. Discounts are provided to authors from countries that rank low or middle on the World Bank classifications.

Ue
Unique Element

ACS Omega uses the same thorough editorial and peer-review processes as all ACS journals but makes decisions based on rigorous scientific quality rather than subjective opinions of a paper's importance.

ACS Pharmacology & Translational Science

Interim Editor-in-Chief*

Craig W. Lindsley

Vanderbilt University School of Medicine

e-ISSN: 2575-9108
Print ISSN: Online Only
Issue 1: September 2018
6 Issues/Year

pubs.acs.org/**ptsci**

**Expected change in editorial leadership, Jan. 2021.*

A Better Bridge between Lab & Life

Publishing the Science that Happens between Basic Research and Clinical Trials

ACS Pharmacology & Translational Science publishes high-quality, innovative research across the broad spectrum of biological sciences, from basic and molecular sciences to translational preclinical studies. Editors also consider clinical studies that address novel mechanisms of action and methodological papers that provide innovation and advance translational research.

Common Research Areas

- Chemotherapy and cancer therapy
- Predictive and personalized medicine
- Biochemical and molecular pharmacology
- Cardiovascular pharmacology
- Gastrointestinal pharmacology
- Clinical studies (with novel mechanisms of action)
- Respiratory and urogenital tract pharmacology
- Pharmacology of tissue repair
- Neuropharmacology, psychopharmacology, and neuroendocrinology
- Immunopharmacology and immunotherapy
- Pharmacology of aging
- Cell, tissue, and gene therapy
- Regenerative medicine
- Theranostics

Ue
Unique Element

Translational science—also known as translational medicine or translational research—focuses on expediting discovery of new diagnostics, treatments, and tools by using a highly collaborative, multidisciplinary approach of bringing research from lab to life. With this journal, ACS supports turning cutting-edge basic research into products that improve human health.

ACS Photonics

Editor-in-Chief
Harry A. Atwater
California Institute of Technology

e-ISSN: 2330-4022
Print ISSN: Online Only
Issue 1: January 2014
12 Issues/Year
2019 Impact Factor: 6.864
2019 Citations: 13,268
2019 Articles Published: 415

pubs.acs.org/**photonics**

Catalyzing the Future of Optical Science and Technology

Uniting the Scientific Disciplines

The expanding field of photonics caters to a large, interdisciplinary, and international community, spanning primary scientific disciplines such as chemistry, physics, biology, and engineering. *ACS Photonics* gives readers a comprehensive picture of the most important discoveries in photonics. Discoveries published in *ACS Photonics* help advance technology in sectors as diverse as information and communication, health care and life science, the electronics and display industry, and security and sensors.

Common Research Areas

- Molecular and nanophotonics
- Solid-state inorganic materials for optoelectronics
- Polymer and organic optoelectronic materials
- Plasmonics and optical metamaterials
- Photonic crystals
- Mesoscale photonics and optoelectronics
- Nonlinear optics and materials
- Quantum optics and single-photon processes
- Flexible electronics and displays
- Silicon photonics
- Optical switching, memory, and data storage
- Lasers, quantum electronics, and optical amplifiers
- LEDs and solid-state lighting
- Photonics for energy materials
- Biophotonics
- Micro- and nano-optoelectromechanical systems
- Modeling and simulation of photonic processes

Ue
Unique Element

Editor-in-Chief Harry Atwater was named a 2018 Clarivate Analytics Highly Cited Researcher in Physics, an honor given to some of the world's most influential scientific minds.

ACS Sensors

Editor-in-Chief
J. Justin Gooding
The University of New South Wales

e-ISSN: 2379-3694
Print ISSN: Online Only
Issue 1: January 2016
12 Issues/Year
2019 Impact Factor: 7.333
2019 Citations: 6,209
2019 Articles Published: 397

pubs.acs.org/**acssensors**

Advancing Chemical and Biological Sensor Research

Chemistry-Focused Sensor Research from the Most Trusted Source

ACS Sensors is a peer-reviewed research journal devoted to the dissemination of new and original knowledge on all aspects of sensor science that selectively sense chemical or biological species or processes. Articles cover a broad array of related topics, including biosensors, intracellular sensors, arrays, and microfluidic devices.

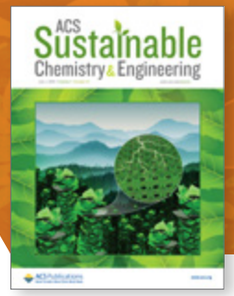
Common Research Areas

- Biosensors
- Chemical sensors
- Gas sensors
- Intracellular sensors
- Single-molecule sensors
- Cell chips
- Arrays
- Microfluidic devices

Ue
Unique Element

Editor-in-Chief J. Justin Gooding is internationally recognized for his work in surface modification, biosensors, functional nanomaterials, cell-based diagnostic devices, and electroanalysis.

ACS Sustainable Chemistry & Engineering



Editor-in-Chief
David T. Allen
The University of Texas at Austin

e-ISSN: 2168-0485
Print ISSN: Online Only
Issue 1: January 2013
51 Issues/Year
2019 Impact Factor: 7.632
2019 Citations: 41,078
2019 Articles Published: 2,119

pubs.acs.org/**acssce**

Improving Green Chemistry and Sustainable Processes

Covering the Breadth of the Field

ACS Sustainable Chemistry & Engineering publishes studies that address challenges of sustainability in the chemical enterprise. Articles benefit readers by establishing correlations between their research and the principles of green chemistry and engineering. The journal emphasizes five focal areas of research.

Common Research Areas

- Green chemistry
- Green manufacturing and engineering
- Biomass or wastes as resources
- Alternative energy
- Life-cycle assessment

Ue
Unique Element

Editor-in-Chief David T. Allen is the Melvin H. Gertz Regents Chair and Professor in Chemical Engineering as well as the Director of the Center for Energy and Environmental Resources at the University of Texas at Austin.

ACS Synthetic Biology

Editor-in-Chief
Christopher A. Voigt
Massachusetts Institute of Technology

e-ISSN: 2161-5063
Print ISSN: Online Only
Issue 1: January 2012
12 Issues/Year
2019 Impact Factor: 4.411
2019 Citations: 5,603
2019 Articles Published: 286

pubs.acs.org/**synthbio**

Cutting-Edge Forum in Synthetic Biology and Systems Bioscience

Publishing Results of Important Studies in Molecular, Systems, and Synthetic Research

ACS Synthetic Biology publishes high-quality research that demonstrates integrative, molecular approaches enabling better understanding of the organization and function of cells, tissues, and organisms in systems. The journal also contains studies related to the design and synthesis of new genetic circuits and gene products, computational methods in the design of systems, and integrative applied approaches to understanding disease and metabolism.

Winner of the 2013 PROSE Award for Best New Journal in Science, Technology & Medicine

Common Research Areas

- Design and optimization of genetic systems
- Genetic circuit design and principles for their organization into programs
- Computational methods to aid the design of genetic systems
- Experimental methods to quantify genetic parts, circuits, and metabolic fluxes
- Genetic parts libraries: their creation, analysis, and ontological representation
- Protein engineering, including computational design

Ue
Unique Element

Discoveries in *ACS Synthetic Biology* help scientists engineer biological systems improve our lives. For example, scientists programmed one type of bacteria to help cure a patient of another, more serious infection. *ACS Synth. Biol.,* **2014**, *3*, 228–237. DOI: 10.1021/sb400077j

analytical chemistry

Editor-in-Chief
Jonathan V. Sweedler
University of Illinois at Urbana-Champaign

e-ISSN: 1520-6882
Print ISSN: 0003-2700
Issue 1: January 1929
51 Issues/Year
2019 Impact Factor: 6.785
2019 Citations: 140,785
2019 Articles Published: 2,035

pubs.acs.org/**ac**

High Impact and Highly Cited in Analytical Chemistry

New and Exciting Research in All Branches of Analytical Chemistry

Analytical Chemistry publishes unique research in all branches of analytical chemistry, including features and news articles about major advances, trends, and challenges in the field. Coverage includes any phase of analytical measurements and concepts thereof, including but not limited to sampling, bioanalysis, electrochemistry, mass spectrometry, microscale and nanoscale systems, surface analysis, and data processing. *Analytical Chemistry* is a staple journal for scientists working in security, food science, art history, forensics, archaeology, nanoscience, and many other fields.

Most cited journal in Analytical Chemistry

Common Research Areas

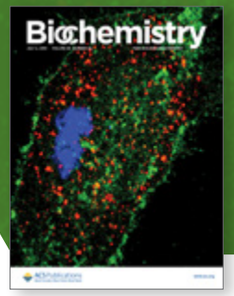
- Sampling
- Bioanalysis
- Electrochemistry
- Mass spectrometry
- Microscale and nanoscale systems and structures
- Environmental analysis
- Separations
- Spectroscopy
- Chemical reactions and selectivity
- Instrumentation
- Imaging
- Surface analysis
- Data processing

Ue
Unique Element

Analytical Chemistry captured 140,785 total citations in 2019 and secured its leading position as the most cited journal in the field.

Biochemistry

Editor-in-Chief
Alanna Schepartz
University of California, Berkeley



e-ISSN: 1520-4995
Print ISSN: 0006-2960
Issue 1: January 1962
51 Issues/Year
2019 Impact Factor: 2.865
2019 Citations: 70,613
2019 Articles Published: 514

pubs.acs.org/**biochemistry**

Leader in Biochemistry, Biophysical Chemistry, and Molecular Biology

At the Interface of Biology and Chemistry

Biochemistry publishes research from the arena where biochemistry, biophysical chemistry, and molecular biology meet. *Biochemistry* is a premier multidisciplinary journal dedicated to serving the needs of the global community engaged in understanding the mechanisms of biological phenomena in terms of molecular structure and function. It is especially strong in the fields of structural biology, mechanistic enzymology, chemistry of proteins and nucleic acids, photosynthesis, membranes and membrane proteins, amyloid structure and chemistry, and functional genomics.

Common Research Areas

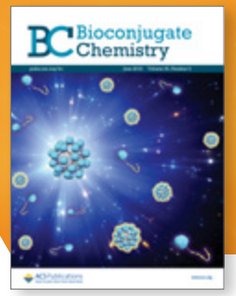
- Peptide modifications
- Protein-interaction identification
- Selective imaging of different microbiota
- Bacterial mechanics
- Exploring electrophile capabilities
- New and updated relevant chemistry
- Protein engineering
- Disease-causing RNA repeat expansions
- In-depth imaging biology
- Debunking the mysteries of RNA
- Rosetta protein modeling
- DNA duplexes and recognition

Ue
Unique Element

Recent research by Editor-in-Chief Alanna Schepartz illuminating molecular flow across cell membranes may have important implications in cancer treatment.

Bioconjugate Chemistry

Editor-in-Chief
Vincent M. Rotello
University of Massachusetts, Amherst



e-ISSN: 1520-4812
Print ISSN: 1043-1802
Issue 1: January 1990
12 Issues/Year
2019 Impact Factor: 4.031
2019 Citations: 15,877
2019 Articles Published: 307

pubs.acs.org/**bc**

Cutting-Edge Forum in Conjugation Chemistry and Biochemistry

Essential Research for the Integration of Synthetic and Biological Systems

Bioconjugate Chemistry publishes articles, communications, reviews, and comments on all research at the interface between man-made and biological materials. Scientists working in the fields of drug delivery, bionanotechnology, and the covalent modification of biologics rely heavily on *Bioconjugate Chemistry.* Manuscripts cover all aspects of bioconjugates, including the preparation, properties, and applications of molecular conjugates.

Common Research Areas

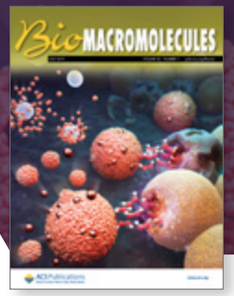
- Versatile protein reaction
- Antibody preparation and protein detection
- Prostate cancer imaging by fluorescent probes
- Cell-penetrating peptides with cyclic amino acids
- Bioluminescence
- Systemic anticancer drug delivery
- Enhancing antitumor immunotherapy
- Biomedical applications with HaloTag technology
- Progress and challenges of CRISPER/Cas9
- Bioorthogonal chemistry, protein engineering, and drug development

Ue
Unique Element

Bioconjugate Chemistry periodically highlights important areas of research interest through special issues. Recent topics include molecular imaging probe chemistry and antibody–drug conjugates.

Biomacromolecules

Editor-in-Chief
Sébastien Lecommandoux
University of Bordeaux



e-ISSN: 1526-4602
Print ISSN: 1525-7797
Issue 1: March 2000
12 Issues/Year
2019 Impact Factor: 6.092
2019 Citations: 38,863
2019 Articles Published: 427

pubs.acs.org/**biomac**

Highest-Impact Journal Combining Polymer Science and Biology

Uniquely Positioned at the Intersection of Polymer Science and Biology

Biomacromolecules publishes interdisciplinary investigations exploring the interactions of macromolecules with biological systems and their environments as well as biological approaches to the design of polymeric materials. Topics include sustainable chemistry, monomers and polymers based on natural and renewable resources, polymer degradation, polymer conjugates, biocatalysis, biomolecular assembly, and biorecycling.

Common Research Areas

- Sustainable polymers
- Polymers based on natural and renewable resources
- Degradable polymers, polymer conjugates
- Polymeric drugs
- Polymers in biocatalysis
- Biomacromolecular assembly
- Biomimetic polymers
- Polymer-biomineral hybrids
- Biomimetic-polymer processing
- Polymer recycling
- Bioactive polymer surfaces
- Original polymer design for biomedical applications, such as immunotherapy, drug delivery, gene delivery, antimicrobial applications, diagnostic imaging, and biosensing
- Polymers in tissue engineering and regenerative medicine
- Polymeric scaffolds and hydrogels for cell culture and delivery

Ue
Unique Element

Biomacromolecules publishes the free Polymer Science podcast series, along with *Macromolecules* and *ACS Macro Letters,* featuring audio highlighting articles and news pieces published in the journals.

Chemical Research in Toxicology®

Editor-in-Chief
Shana J. Sturla
ETH Zürich

e-ISSN: 1520-5010
Print Edition ISSN: 0893-228X
Issue 1: January 1988
12 Issues/Year
2019 Impact Factor: 3.184
2019 Citations: 11,878
2019 Articles Published: 247

pubs.acs.org/**crt**

Focused on Understanding the Effects of Toxic Agents

Advancing Understanding of the Impact of Chemical and Biological Agents on Ecosystems and Human Health

Chemical Research in Toxicology publishes research on a wide range of toxicology topics that inform a chemical and molecular understanding and capacity to predict biological outcomes on the basis of structures and processes. The overarching goal is to provide the knowledge and innovative approaches necessary to promote intelligent solutions for human safety and ecosystem preservation. The journal emphasizes insight concerning mechanisms of toxicity over phenomenological observations.

Common Research Areas

- Molecular mechanisms of the cellular responses to toxic agents
- Alterations in global cellular constituents
- Repair of damaged cellular constituents
- Alterations in gene transcription/translation
- Induction of genetic mutations
- Activation/inactivation of stress responses
- Cell cycle arrest, apoptosis, or necrosis
- Cellular responses to toxic agents affecting the intact organism
- Development and application of new methodologies

Ue
Unique Element

Chemical Research in Toxicology publishes Rapid Reports—brief, expedited manuscripts on timely topics of unusually high interest—as well as Perspectives on Statistical Trends, which are brief discussions on emerging issues in the field.

CHEMICAL REVIEWS

Editor-in-Chief
Sharon Hammes-Schiffer
Yale University

e-ISSN: 1520-6890
Print ISSN: 0009-2665
Issue 1: April 1924
24 Issues/Year
2019 Impact Factor: 52.758
2019 Citations: 200,014
2019 Articles Published: 209

pubs.acs.org/**cr**

Comprehensive, Timeless, and Timely Reviews on Topics of Current Interest in Chemistry

Most Highly Regarded Journal in General Chemistry

Chemical Reviews is one of the most highly regarded and highest-ranked journals covering the general topic of chemistry. The journal presents comprehensive, authoritative, critical, and readable reviews of important research in all areas of chemistry. These reviews also play a significant educational role for early-career scientists and researchers entering new fields.

The highest Impact Factor in Multidisciplinary Chemistry

Common Research Areas

- Nanoparticles in solution
- Advances in nanomaterials and radical activation/cross-coupling
- Organocatalysis
- 3D printing with polymers
- Greener production of formate/formic acid, methanol, and DME
- Recognizing anions
- Flow chemistry
- Biomedical applications of graphene and graphene oxide
- Optimization of artificial metalloenzymes
- Eutectic solvent applications

Ue
Unique Element

Since 1985, *Chemical Reviews* has published periodic thematic issues focusing on a single theme or direction of emerging research, helping facilitate serendipitous discovery. It is ranked #1 in Chemical & Material Sciences by Google Scholar.

Chemistry of Materials

Editor-in-Chief
Jillian M. Buriak
University of Alberta

e-ISSN: 1520-5002
Print ISSN: 0897-4756
Issue 1: January 1989
24 Issues/Year
2019 Impact Factor: 9.567
2019 Citations: 111,299
2019 Articles Published: 1,041

pubs.acs.org/**cm**

The Long-Time Leader in Materials Chemistry

High-Impact Research at the Intersection of Chemistry, Chemical Engineering, and Materials Science

Chemistry of Materials remains a highly cited, high-impact leader that is unique in its emphasis on the chemical component of materials science. In addition to traditional topics in materials science, *Chemistry of Materials* publishes articles on fundamental issues relating to the fabrication and processing of electronic, magnetic, or optical materials and devices, including the generation of thin films by chemical vapor and solution deposition and by self-organized molecular assemblies.

Common Research Areas

- Inorganic and organic solid-state chemistry
- Polymer chemistry
- Fabrication and processing of electronic, magnetic, or optical materials and devices
- Generation of thin films by chemical vapor and solution deposition
- Design, synthesis, investigation, and application of precursors to solid-state inorganic materials
- Preparation and study of biomaterials, nanomaterials, composites, catalysts, liquid crystals, coatings, thin films and interfaces, and molecular assemblies

Ue
Unique Element

Professor Buriak is one of the ACS editors behind the virtual issue and webinar series "Mastering the Art of Scientific Publication."

Crystal Growth & Design

Editor-in-Chief
Jonathan Steed
Durham University

e-ISSN: 1528-7505
Print ISSN: 1528-7483
Issue 1: January 2001
12 Issues/Year
2019 Impact Factor: 4.089
2019 Citations: 30,972
2019 Articles Published: 816

pubs.acs.org/**cgd**

Pioneering Research in Understanding and Applications of the Crystalline State

Inspiring New Ideas across Diverse Communities

Crystal Growth & Design is the flagship publication for the crystal science and crystal engineering community. It stimulates cross-fertilization of knowledge among scientists and engineers working in the fields of crystal growth, crystal engineering, and the industrial application of crystalline materials. Unlike similar journals, *Crystal Growth & Design* covers fields such as chemistry, chemical engineering, materials, and physics, as well as many other fields that use the same techniques but view the science differently.

Most cited journal in Crystallography

Common Research Areas

- Crystal engineering
- Crystal growth of inorganic, organic, and biological substances
- Polymorphism, polytypism
- Development of new nanostructured phases
- Intermolecular interactions in the solid state
- Modeling of crystal growth processes
- Prediction of crystal structure and crystal habit
- Determination and calculation of electronic distribution in the solid state
- Nucleation theory
- Molecular kinetics and transport phenomena in crystal growth
- Phase transitions
- Solvation and crystallization phenomena
- Modeling of crystallization processes
- Purification techniques
- Industrial crystallization

Ue
Unique Element

Though not considered a crystallography journal, *Crystal Growth & Design* is the most cited journal in Crystallography according to the 2020 Clarivate Analytics Journal Citation Reports®. Google Scholar also ranks it #1 in the Crystallography & Structural Chemistry category.

energy&fuels

Editor-in-Chief
Hongwei Wu
Curtin University

e-ISSN: 1520-5029
Print ISSN: 0887-0624
Issue 1: January 1987
24 Issues/Year
2019 Impact Factor: 3.421
2019 Citations: 50,867
2019 Articles Published: 1,244

pubs.acs.org/**ef**

Defining the Intersection of Chemistry and Chemical Engineering

Serving the Growing Community of Scientists, Engineers, and Policy Experts

Energy & Fuels publishes reports of research in the non-nuclear domain. This includes research directed at the formation of, exploration for, and production of fossil fuels and biomass; the properties and structure or molecular composition of both raw fuels and refined products; the chemistry involved in the processing and use of fuels; fuel cells and their applications; catalysis; combustion; and the analytical and instrumental techniques used in these areas. Scientists leverage the content in *Energy & Fuels* to design solutions for quenching the world's increasing thirst for sustainable, efficient, and environmentally friendly energy.

Common Research Areas

- Eutectic solvent applications
- Development of pyrolysis reactors and application for bio-oil
- Implications of hydroprocessing catalysts with noble metals
- Biomass conversion to biofuel
- Life-cycle greenhouse gases vs. natural gas pathways
- Hydroxide-based ionic liquids for acid extraction
- Biomass fast pyrolysis oil
- Molecular dynamics for asphaltene aggregation
- Proton-exchange membrane fuel cells

Ue
Unique Element

Energy & Fuels has the fastest time to publication in its field.

Environmental Science & Technology

Editor-in-Chief
Julie Zimmerman
Yale University

e-ISSN: 1520-5851
Print ISSN: 0013-936X
Issue 1: January 1967
24 Issues/Year
2019 Impact Factor: 7.864
2019 Citations: 187,990
2019 Articles Published: 1,484

pubs.acs.org/**est**

The Essential Resource in Environmental Sciences and Engineering

The Most Authoritative Source in Its Field

Environmental Science & Technology is the authoritative source of information for professionals in a wide range of environmental disciplines—from the scientist to the policy maker. The types of papers published include research articles, policy analysis, critical review, and correspondence. Common areas of focus include global change, water quality, phytoremediation, and carbon sequestration.

Most cited in Environmental Sciences and Environmental Engineering

Common Research Areas

- Microplastics
- Removal of organic wastewater compounds
- Air pollution mapping with Google cars
- Trends of freshwater fish mercury concentrations
- Microbes and nitrogen
- Water concerns in developing countries
- 2D molybdenum disulfide environmental applications
- Effect of food choices on climate
- Li-ion batteries impacts
- Microbeads
- Livestock necessities in China

Ue
Unique Element

The News and Features section of *Environmental Science & Technology* presents objective reports and analyses of the major advances, trends, and challenges in environmental science, technology, and policy for a diverse professional audience.

Environmental Science & Technology Letters

Editor-in-Chief
Bryan W. Brooks
Baylor University

e-ISSN: 2328-8930
Print ISSN: Online Only
Issue 1: January 2014
12 Issues/Year
2019 Impact Factor: 7.678
2019 Citations: 3,696
2019 Articles Published: 121

pubs.acs.org/**estlett**

An International Environmental Forum for Rapid Communications

Publishing Brief Communications and Short Reviews in 4–6 Weeks

Complementing *Environmental Science & Technology,* the most cited journal in two categories, *Environmental Science & Technology Letters* meets the scientific community's increasing demand for rapid publication of short, urgent environmental letters. Common areas of publication include energy; environmental aspects of emerging technology, like nanotechnology; analytical methods; and novel remediation technology.

Common Research Areas

- Reductions in solar energy production
- Chemical air emissions
- Lead release from service lines
- Chemicals in swimming pools and hot tubs
- Biofilm formation and microplastic impacts on aquatic environments
- Microbial fuel cell configurations
- Fluorine in food packaging
- Exoelectrogenic bacteria
- Unexpected nanoplastics
- Sustainable seawater desalination

Ue
Unique Element

Environmental Science & Technology Letters was the first to report that eco-friendly packaging could be contaminating our compost products. Per- and polyfluoroalkyl substances, or PFAS, are often used to line paper-based food packaging and are leaching out during the degradation process. DOI: 10.1021/acs.estlett.9b00280

I&EC research
Industrial & Engineering Chemistry Research

Editor-in-Chief
Phillip E. Savage
Pennsylvania State University

e-ISSN: 1520-5045
Print ISSN: 0888-5885
Issue 1: January 1909
(as Industrial & Engineering Chemistry)
51 Issues/Year
2019 Impact Factor: 3.573
2019 Citations: 79,542
2019 Articles Published: 2,145

pubs.acs.org/**iecr**

A Dynamic Leader in Chemical Engineering

High-Quality Industrial and Academic Research in Applied Chemistry and Chemical Engineering

Industrial & Engineering Chemistry Research focuses on industrial and academic research in the broad fields of applied chemistry and chemical engineering, with special emphasis on fundamentals, processes, and products. Articles may highlight work that is experimental or theoretical, mathematical or descriptive, chemical or physical. In addition to fundamental research, papers may deal with process design and development as well as product research and development involving chemical and engineering aspects. Common areas of focus include supercritical fluids, membrane technology, ionic liquids, and biodiesel.

Common Research Areas

- Lignocellulosic biomass pretreatment
- Solubility parameters of oxygen
- LIQUAC model
- Breakthrough curve analysis
- AMPGas
- Bubbles in gas-liquid systems
- Advances in coagulation–flocculation with wastewater treatment
- Membrane gas separation
- Bioinspired smart materials
- Technologies for water treatment and reuse

Ue
Unique Element

In 2014, Editor-in-Chief Phillip E. Savage received the Research Excellence in Sustainable Engineering Award from AIChE for his pioneering research in renewable energy.

Inorganic Chemistry

Editor-in-Chief
William B. Tolman
Washington University in St. Louis

e-ISSN: 1520-510X
Print ISSN: 0020-1669
Issue 1: February 1962
24 Issues/Year
2019 Impact Factor: 4.825
2019 Citations: 96,159
2019 Articles Published: 1,794

pubs.acs.org/**ic**

The Global Leader Publishing the Most Significant Research in Its Field

The Flagship Publication of Inorganic Chemistry

Inorganic Chemistry publishes fundamental studies in all phases of inorganic chemistry. Coverage includes experimental and theoretical reports on quantitative studies of structure and thermodynamics, kinetics, mechanisms of inorganic reactions, bioinorganic chemistry, and relevant aspects of organometallic chemistry, solid-state phenomena, and chemical bonding theory.

The most cited journal in Inorganic Chemistry

Common Research Areas

- Structure and thermodynamics
- Kinetics
- Mechanisms of inorganic reactions
- Bioinorganic chemistry
- Organometallic chemistry
- Solid-state phenomena
- Chemical bonding theory
- Synthesis, structure, thermodynamics, reactivity, spectroscopy, and bonding properties of significant new and known compounds

Ue
Unique Element

Inorganic Chemistry publishes up to three Forum issues annually, consisting of a set of thematically linked papers from leading scientists on a multidisciplinary topic of growing interest. *Inorganic Chemistry* is a valuable pedagogical resource.

Journal of Agricultural and Food Chemistry

Editor-in-Chief
Thomas F. Hofmann
Technische Universität München, Germany

e-ISSN: 1520-5118
Print ISSN: 0021-8561
Issue 1: April 1953
51 Issues/Year
2019 Impact Factor: 4.192
2019 Citations: 118,586
2019 Articles Published: 1,446

pubs.acs.org/**jafc**

An International Leader in Agriculture and Food Science

Global Perspectives from the Most Cited Journal of Its Kind

The *Journal of Agricultural and Food Chemistry* publishes high-quality research representing complete studies and research advances dealing with the chemistry and biochemistry of agriculture and food. The journal focuses on papers with chemistry or biochemistry as a major component combined with biological/sensory/nutritional/toxicological evaluation related to agriculture or food. Of 56 journals in the Agriculture, Multidisciplinary category, the *Journal of Agricultural and Food Chemistry* is the most cited and publishes the most articles.

The most cited journal in Agriculture, Multidisciplinary

Common Research Areas

- Cooking methods with certain vegetables
- Plant breeding methods
- Maillard reactions
- Thiophenes in fried chicken
- Dissolved cations in coffee extraction
- Applications of ninhydrin reactions
- Crocetin approach against cancer
- Fiber in coffee
- Plant–insect chemical communications
- Wheat breeding and celiac disease

Ue
Unique Element

To help improve verification of organic foods, researchers developed a technique to test plants for pesticide metabolites. DOI: 10.1021/acs.jafc.8b06999 (2019)

We're expanding our focus on food and agricultural science and technology.

The world population is projected to reach 8.4 billion by 2027, fueling an increase in the demand for food production. Substantial increases in food and agricultural technology and products have resulted in a growing demand to understand impacts on health, environment, and long-term sustainability.

ACS Publications has supported this community since 1953 through *Journal of Agricultural & Food Chemistry*, which offers authoritative content across the agriculture-food-nutrition continuum. To further support this growing international research community, ACS Publications will launch two new journals in 2021.

ACS Agricultural Science & Technology

Led by Deputy Editor Dr. Laura McConnell (Bayer Crop Science, USA), *ACS Agricultural Science & Technology* will publish cutting-edge original research in all areas of the agricultural sciences, technology, and engineering.

ACS Food Science & Technology

Led by Deputy Editor Dr. Coralia Osorio Roa (Universidad Nacional de Colombia-Sede Bogotá, Colombia), *ACS Food Science & Technology* will publish cutting-edge original research in all areas of food science, technology, engineering, and nutrition.

Journal of Agricultural & Food Chemistry

ACS Agricultural Science & Technology →

Journal of Agricultural & Food Chemistry →

ACS Food Science & Technology →

ACS Journals

JACS

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY

Editor-in-Chief
Peter J. Stang
University of Utah

e-ISSN: 1520-5126
Print ISSN: 0002-7863
Issue 1: January 1879
51 Issues/Year
2019 Impact Factor: 14.612
2019 Citations: 556,233
2019 Articles Published: 2,507

pubs.acs.org/**jacs**

The World's Preeminent Journal for All of Chemistry and the Interfacing Areas of Science

The Best Research in All of Chemistry

The *Journal of the American Chemical Society (JACS)* is devoted to the publication of fundamental research and publishes more than 3,000 articles, communications, and perspectives a year. In addition, *JACS* publishes Spotlights, research highlighted by the editors with summaries by science writers. Published weekly, *JACS* is unique in its coverage of all areas of chemistry. *JACS* is also a truly global journal, with the broadest distribution of subscribing research institutions worldwide.

Most cited journal in Multidisciplinary Chemistry

Common Research Areas

- Nitroarenes coupling
- Radical relay chaperones
- Hydroformylation of styrenes
- Visible light-induced energy transfer
- Pd/Cu dual catalysis
- Exploiting single-electron transfer
- Cyclobutanone construction

Ue
Unique Element

JACS, founded in 1879, is the flagship journal of the American Chemical Society. In 2019, the journal received its highest Impact Factor ever: 14.612.

JACS Au

AN OPEN ACCESS JOURNAL OF THE AMERICAN CHEMICAL SOCIETY

Editor-in-Chief
Christopher W. Jones
Georgia Institute of Technology

e-ISSN: 2691-3704
Print ISSN: Online Only
Issue 1: January 2021
12 Issues/Year

pubs.acs.org/**jacsau**

A New Fully Open Access Journal

A Sibling Journal to JACS

We're delighted to announce our newest open access journal, *JACS Au*, a sister journal to the society's flagship *Journal of the American Chemical Society* (*JACS*).

Announced in 2020, this fully open access journal will allow for the rapid dissemination of cutting edge, high impact research across the breadth of chemistry and all related areas intersecting with chemistry. *JACS Au* will be complementary to *JACS*, matching the exceptional editorial and publishing standards of this, the world's most cited chemistry publication.

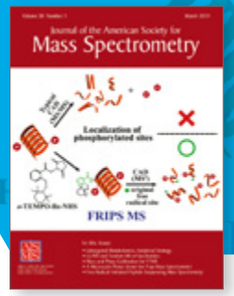
A fully independent, global, and diverse editorial team will be appointed to identify the most exciting, impactful, and novel science from authors who require or desire to publish in a fully open access journal.

Ue
Unique Element

JACS Au is the sibling journal to the society's flagship *Journal of the American Chemical Society* and provides authors with the opportunity to publish in a high impact, fully open access journal.

Journal of the American Society for Mass Spectrometry

Editor-in-Chief
Joseph A. Loo
University of California, Los Angeles



e-ISSN: 1879-1123
Print ISSN: 1044-0305
Issue 1: February 1990
12 Issues/Year
2019 Impact Factor: 3.255
2019 Citations: 9,581
2019 Articles Published: 281

The *Journal of the American Society for Mass Spectrometry* is co-published with the American Society for Mass Spectrometry.

pubs.acs.org/**jasms**

Covering All Aspects of Mass Spectrometry

The Official Journal of the American Society for Mass Spectrometry

Journal of the American Society for Mass Spectrometry is a monthly, peer-reviewed journal that covers all aspects of mass spectrometry, including fields of scientific inquiry in which mass spectrometry can play a role. Comprehensive in scope, the journal publishes papers on both fundamentals and applications of mass spectrometry. Papers from all fields of scientific inquiry are published, including chemistry, physics, geology, and environmental science as well as the biological, health, and life sciences.

Common Research Areas

- Instrumentation principles, design, and demonstration
- Structures and chemical properties of gas-phase ions
- Studies of thermodynamic properties
- Ion spectroscopy
- Chemical kinetics
- Mechanisms of ionization
- Theory of ion fragmentation
- Cluster ions
- Potential energy surfaces
- Modeling
- Structural elucidation
- Biopolymer sequencing
- Development or validation of new methodology
- Proteomics
- Environmental and forensic measurements

Ue
Unique Element

The American Society for Mass Spectrometry (ASMS) was formed in 1969 to promote and disseminate knowledge of mass spectrometry and allied topics. ASMS have recently partnered with ACS to publish the *Journal of the American Society for Mass Spectrometry*. Both Societies are nonprofit, making for an excellent partnership that focuses on science, not profit.

Journal of chemical & engineering data

Editor-in-Chief
Joan F. Brennecke
The University of Texas at Austin

e-ISSN: 1520-5134
Print ISSN: 0021-9568
Issue 1: January 1956
12 Issues/Year
2019 Impact Factor: 2.369
2019 Citations: 23,357
2019 Articles Published: 619

pubs.acs.org/**jced**

Covering Phase Equilibria and Thermophysical Properties from Experiment and Computation

The Data That Drive Discovery

The *Journal of Chemical & Engineering Data* is a monthly journal devoted to the publication of data obtained from both experiment and computation, which are viewed as complementary. It is the only ACS journal primarily concerned with articles containing data on the phase behavior and the physical, thermodynamic, and transport properties of well-defined materials, including complex mixtures of known compositions.

Common Research Areas

- Thermophysical properties obtained from quantum chemistry
- Molecular simulation
- Molecular mechanics calculations
- Reviews of experimental techniques

Ue
Unique Element

Editor-in-Chief Joan F. Brennecke's 150+ research publications have garnered more than 15,000 citations. She was inducted into the National Academy of Engineering in 2012.

JOURNAL OF CHEMICAL EDUCATION

Editor-in-Chief
Thomas Holme
Iowa State University

e-ISSN: 1938-1328
Print ISSN: 0021-9584
Issue 1: January 1924
12 Issues/Year
2019 Impact Factor: 1.385
2019 Citations: 11,622
2019 Articles Published: 160

The *Journal of Chemical Education* is co-published with the ACS Division of Chemical Education.

pubs.acs.org/**jce**

The World's Premier Chemical Education Resource

The Most Trusted Source in Chemical Education for More Than 90 Years

The *Journal of Chemical Education* publishes peer-reviewed articles and related information as a resource for those in the field of chemical education and for those institutions that serve them. The *Journal of Chemical Education* typically addresses chemical content, activities, laboratory experiments, instructional methods, and pedagogies. The journal serves as a means of communication among people across the world who are interested in the teaching and learning of chemistry. This includes instructors of chemistry from middle school through graduate school, professional staff who support these teaching activities, and practicing scientists interested in honing their skills and techniques.

Common Research Areas

- Organic and analytical chemistry
- Chemistry of climate change
- Polymer chemistry
- Calculating electromotive force of redox reactions
- Negative pH
- Chemistry learning styles and methods
- Cyclic voltammetry

Ue
Unique Element

The *Journal of Chemical Education* is co-published with the ACS Division of Chemical Education, and subscriptions feature access to more than 90 years of content dating back to 1924.

JOURNAL OF CHEMICAL INFORMATION AND MODELING

Editor-in-Chief
Kenneth M. Merz, Jr.
Michigan State University

e-ISSN: 1549-960X
Print ISSN: 1549-9596
Issue 1: January 1961
12 Issues/Year
2019 Impact Factor: 4.549
2019 Citations: 19,075
2019 Articles Published: 476

pubs.acs.org/**jcim**

Dedicated to Chemical Informatics and Molecular Modeling

Harnessing the Power of Computers to Advance Chemical Discovery

The *Journal of Chemical Information and Modeling* publishes papers reporting new methodologies and important applications in the fields of chemical informatics and molecular modeling. Astute chemists, computer scientists, and information specialists look to this journal's insightful research studies, programming innovations, and software reviews to keep current with advances in this integral, multidisciplinary field.

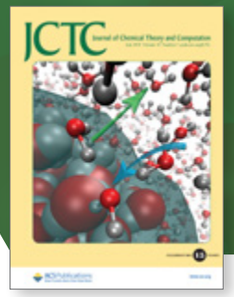
Common Research Areas

- Representation and computer-based searching of chemical databases
- Molecular modeling
- Computer-aided molecular design of new materials, catalysts, or ligands
- Development of new computational methods or more efficient algorithms for chemical software
- Biopharmaceutical chemistry, including analyses of biological activity and other issues related to drug discovery

Ue
Unique Element

The *Journal of Chemical Information and Modeling* is jointly indexed in the Medicinal Chemistry, Multidisciplinary Chemistry, Computer Science, Information Systems, and the Computer Science, Interdisciplinary Applications categories.

JCTC Journal of Chemical Theory and Computation



e-ISSN: 1549-9626
Print ISSN: 1549-9618
Issue 1: January 2005
12 Issues/Year
2019 Impact Factor: 5.011
2019 Citations: 33,459
2019 Articles Published: 579

pubs.acs.org/**jctc**

One of the Highest-Impact Journals in Theoretical Chemistry

Where Math, Physics, Biology, and Chemistry Converge

The *Journal of Chemical Theory and Computation* publishes papers reporting new theories, methodologies, and important applications in quantum electronic structure, molecular dynamics, and statistical mechanics.

Common Research Areas

- Advances in or applications of ab initio quantum mechanics
- Density functional theory
- Design and properties of new materials
- Surface science
- Monte Carlo simulations
- Solvation models
- QM/MM calculations
- Biomolecular structure prediction
- Molecular dynamics in the broadest sense, including gas-phase dynamics, ab initio dynamics, biomolecular dynamics, and protein folding

Ue
Unique Element

The *Journal of Chemical Theory and Computation* is jointly led by editors William L. Jorgensen and Gustavo E. Scuseria, recognized leaders in computational and theoretical chemistry. Google Scholar ranks *Journal of Chemical Theory and Computation* #1 in Spectroscopy & Molecular Physics.

Journal of Medicinal Chemistry

e-ISSN: 1520-4804
Print ISSN: 0022-2623
Issue 1: February 1959
24 Issues/Year
2019 Impact Factor: 6.205
2019 Citations: 74,893
2019 Articles Published: 689

pubs.acs.org/**jmc**

The Most Influential Medicinal Chemistry Journal for Academia and the Pharmaceutical Industry

More Than 60 Years as the Established Leader in Medicinal Chemistry

The most cited journal in Medicinal Chemistry

The *Journal of Medicinal Chemistry* publishes studies that contribute to an understanding of the relationship between molecular structure and biological activity or mode of action. Research in the journal has led to the creation of new therapies for the treatment and prevention of diseases. Advancements and breakthroughs published in the *Journal of Medicinal Chemistry* related to the design, synthesis, analysis, and biological evaluation of novel biologically active compounds used as pharmacological tools have a major impact on how medicinal chemistry is practiced today.

Common Research Areas

- Design, synthesis, and biological evaluation of novel biologically active compounds, diagnostic agents, or labeled ligands employed as pharmacological tools
- Molecular modifications and computational studies that improve understanding of structure–activity relationships
- Structural biological studies (X-ray, NMR, etc.) of relevant ligands and targets
- Molecular biological studies (e.g., site-directed mutagenesis) of macromolecular targets
- Computational chemistry methods for the identification, optimization, or target interaction analysis of bioactive molecules
- Effect of molecular structure on the distribution, pharmacokinetics, and metabolic transformation of biologically active compounds
- Novel methodology with broad application to medicinal chemistry

Ue
Unique Element

In addition to being the most cited journal in Medicinal Chemistry, the journal is also ranked by Google Scholar as #1 in Medicinal Chemistry and #4 in Pharmacology & Pharmacy.

JOURNAL OF NATURAL PRODUCTS

Editor-in-Chief
Philip Proteau
Oregon State University

e-ISSN: 1520-6025
Print ISSN: 0163-3864
Issue 1: January 1979
12 Issues/Year
2019 Impact Factor: 3.779
2019 Citations: 27,285
2019 Articles Published: 409

The *Journal of Natural Products* is copublished with The American Society of Pharmacognosy.

pubs.acs.org/**jnp**

Harnessing the Value of Nature

Fundamental Research in the Synthesis and Impact of Naturally Occurring Compounds

For centuries, naturally occurring compounds have helped us to eliminate disease and improve health. The *Journal of Natural Products* publishes original research that makes substantial and scholarly contributions in the area of natural products. Contributions may relate to the chemistry or biochemistry of naturally occurring compounds or the biology of living systems from which they are obtained. Topics also include metabolites of microorganisms such as antibiotics and mycotoxins; physiologically active compounds; biochemical studies, including biosynthesis and transformations; fermentation and plant tissue culture; compound isolation and structure elucidation; synthesis of novel compounds from nature; and the pharmacology of compounds of natural origin.

Common Research Areas

- Secondary metabolites of microorganisms, including antibiotics and mycotoxins
- Physiologically active compounds from terrestrial and marine plants and animals
- Biochemical studies, including biosynthesis and microbiological transformations
- Fermentation and plant tissue culture
- Isolation, structure elucidation, and chemical synthesis of novel compounds from nature
- Pharmacology of compounds of natural origin

Ue
Unique Element

Journal of Natural Products is co-published by ACS Publications and The American Society of Pharmacognosy.

JOC The Journal of Organic Chemistry

Editor-in-Chief
Scott J. Miller
Yale University

e-ISSN: 1520-6904
Print ISSN: 0022-3263
Issue 1: March 1936
24 Issues/Year
2019 Impact Factor: 4.335
2019 Citations: 97,162
2019 Articles Published: 1,576

pubs.acs.org/**joc**

The Essential Resource in Organic Chemistry

The Flagship Publication in Its Field

Since 1936, *The Journal of Organic Chemistry* has been one of the most prestigious places to publish and one of the most valuable and broadly applicable sources relevant to chemical research. With organic chemistry being at the interface of life and chemical sciences and with nearly 100,000 citations in a single year, discoveries published in *The Journal of Organic Chemistry* help scientists improve the lives of millions every day. The pathways to critical discoveries run through *The Journal of Organic Chemistry* in areas like drug discovery, energy and the environment, plastics and materials science, catalysis, mechanistic insights, and environmental science.

Common Research Areas

- Drying of organic solvents
- Direct and indirect reductive amination procedures
- Halide coupling
- Cross-coupling
- C—H functionalization advances
- Tune emission color
- Six-step synthesis
- Mitsunobu reaction
- Corey–Chaykovsky reactions

Ue
Unique Element

You can find content from *The Journal of Organic Chemistry* cited in global patents, including those for some of the world's most prescribed drugs.

THE JOURNAL OF PHYSICAL CHEMISTRY

Editor-in-Chief
Joan-Emma Shea
University of California, Santa Barbara

JPCA Deputy Editor
Anne B. McCoy
University of Washington

The Journal of Physical Chemistry A
e-ISSN: 1520-5215
Print ISSN: 1089-5639
Issue 1: October 1896
51 Issues/Year
2019 Impact Factor: 2.600
2019 Citations: 59,525
2019 Articles Published: 1,097

pubs.acs.org/**jpca**

JPCB Deputy Editor
Martin Zanni
University of Wisconsin–Madison

The Journal of Physical Chemistry B
e-ISSN: 1520-5207
Print ISSN: 1520-6106
Issue 1: October 1896
51 Issues/Year
2019 Impact Factor: 2.857
2019 Citations: 106,982
2019 Articles Published: 1,088

pubs.acs.org/**jpcb**

JPCC Deputy Editor
Gregory Hartland
University of Notre Dame

The Journal of Physical Chemistry C
e-ISSN: 1932-7455
Print ISSN: 1932-7447
Issue 1: October 1896
51 Issues/Year
2019 Impact Factor: 4.189
2019 Citations: 155,280
2019 Articles Published: 3,405

pubs.acs.org/**jpcc**

The Most Influential Journals in Physical Chemistry

Defining the Field of Physical Chemistry

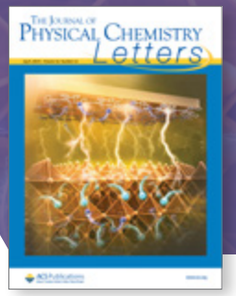
The Journal of Physical Chemistry is unique as a three-part journal and is distinguished in the way its published research shapes and defines the state of physical chemistry. The journal leads the way into important, emerging areas of research, with more than 35 editors who serve the journal—all distinguished scientists at top research institutions in China, India, Europe, Canada, and the U.S.

The Journal of Physical Chemistry A covers kinetics and dynamics; spectroscopy, photochemistry, and excited states; environmental and atmospheric chemistry, aerosol processes, geochemistry, and astrochemistry; and molecular structure, quantum chemistry, and general theory.

The Journal of Physical Chemistry B covers biophysical chemistry and biomolecules; biomaterials, surfactants, and membranes; liquids; chemical and dynamical processes in solution; and gases, colloids, polymers, and soft matter.

The Journal of Physical Chemistry C covers energy conversion and storage; energy and charge transport; surfaces, interfaces, porous materials, and catalysis; plasmonics, optical materials, and hard matter; and physical processes in nanomaterials and nanostructures.

THE JOURNAL OF PHYSICAL CHEMISTRY *Letters*



Editor-in-Chief
Gregory D. Scholes
Princeton University

e-ISSN: 1948-7185
Print ISSN: Online Only
51 Issues/Year
Issue 1: January 2010
2019 Impact Factor: 6.710
2019 Citations: 50,054
2019 Articles Published: 1,154

pubs.acs.org/**jpcl**

The Fastest Time to Publication in Its Field: 5 Weeks from Submission to Web Publication

Emerging Developments in Physical Chemistry and Exciting Author-Created Multimedia

By combining letters from the three sections of *The Journal of Physical Chemistry* into *The Journal of Physical Chemistry Letters,* scientists from all areas can view the important, upcoming topics at the forefront of physical chemistry research from a convenient, time-saving single source. In addition, *The Journal of Physical Chemistry Letters* offers innovative multimedia options, such as Perspectives videos, created by authors and free to access from a library of more than 70 videos, sorted by topic.

Common Research Areas

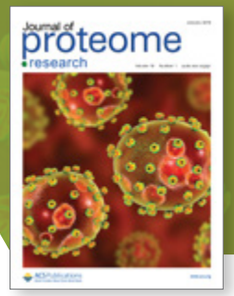
- Clusters, radicals, and ions
- Spectroscopy and photochemistry
- Surfactants and membranes: biophysical chemistry, biomolecules, and biomaterials
- Polymers, glasses, and soft matter chemical and dynamical processes in solution
- Plasmonics and optoelectronics: energy conversion and storage
- Surface, interface, and catalysis properties of nanomaterials and materials

Ue
Unique Element

In addition to Spotlights, which highlight important work within each issue, *The Journal of Physical Chemistry Letters* publishes Viewpoints, featuring invited guest commentary from top researchers. The journal also offers both Perspective and Viewpoint videos as well as ACS LiveSlides.

Journal of proteome research

Editor-in-Chief
John R. Yates, III
The Scripps Research Institute



e-ISSN: 1535-3907
Print ISSN: 1535-3893
Issue 1: February 2002
12 Issues/Year
2019 Impact Factor: 4.074
2019 Citations: 22,281
2019 Articles Published: 397

pubs.acs.org/**jpr**

The World's Most Trusted Journal in Protein Analysis and Function

Advancing the International Field of Proteomics

The *Journal of Proteome Research* publishes content encompassing all aspects of global protein analysis and function. The theme is on a multidisciplinary approach to the life sciences through the synergy between the different types of "omics."

Common Research Areas

- Dynamic aspects of genomics
- Spatiotemporal proteomics
- Metabonomics and metabolomics
- Clinical and agricultural proteomics
- Advances in methodology, including bioinformatics

Ue
Unique Element

In partnership with the Human Proteome Organization (HUPO), the European Proteomics Association (EuPA), and other proteomics journals, the *Journal of Proteome Research* publishes tutorials that cover core techniques and basics as an introduction to scientists that are new to the field.

LANGMUIR

Editor-in-Chief
Gilbert Walker
University of Toronto

e-ISSN: 1520-5827
Print ISSN: 0743-7463
Issue 1: January 1985
51 Issues/Year
2019 Impact Factor: 3.557
2019 Citations: 118,036
2019 Articles Published: 1,806

pubs.acs.org/**langmuir**

A Leader in Interface Research for over 30 Years

A Trusted, Interdisciplinary Source for New and Emerging Materials Science Research

Langmuir is a leading journal focusing on the fundamental science of systems and materials in which the interface dominates structure and function. *Langmuir* covers topics in synthetic and natural surfaces and interfaces such as surface chemistry of interface-rich systems and nanoparticles/colloids, interface-driven stability, charge transfer at interfaces, bio-interfaces, measurements on interfaces and colloids, and understanding fundamental interfacial properties aided by theory and computation.

Common Research Areas

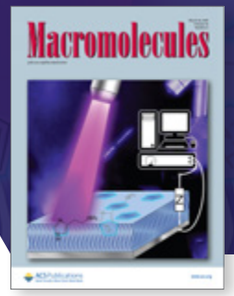
- Colloids: surfactants and self-assembly, dispersions, emulsions, foams
- Interfaces: adsorption, reactions, films, forces
- Biological interfaces: biocolloids, biomolecular and biomimetic materials
- Materials: nano- and mesostructured materials, polymers, gels, liquid crystals
- Electrochemistry: interfacial charge transfer, charge transport, electrocatalysis, electrokinetic phenomena, bioelectrochemistry
- Devices and applications: sensors, fluidics, patterning, catalysis, photonic crystals

Ue
Unique Element

An article published in *Langmuir*, DOI: 10.1021/acs.langmuir.6b02997, features a new use of nanotechnology that may make clean cars economically feasible, according to the U.S. Department of Energy.

Macromolecules

Editor-in-Chief
Marc A. Hillmyer
University of Minnesota



e-ISSN: 1520-5835
Print ISSN: 0024-9297
Issue 1: January 1968
24 Issues/Year
2019 Impact Factor: 5.918
2019 Citations: 102,410
2019 Articles Published: 958

pubs.acs.org/**macromolecules**

Most Cited, Highest Impact Original Research Journal in Polymer Science

Cornerstone of the Polymer Research Field

Macromolecules publishes original research on all fundamental aspects of macromolecular science. The journal showcases innovative concepts, experimental methods/observations, and theoretical approaches presented in comprehensive reports, brief communications to the editor, and technical notes.

The most cited journal in Polymer Science

Common Research Areas

- Synthesis
- Polymerization mechanisms and kinetics
- Chemical modification
- Solution/melt/solid-state characteristics
- Surface properties of organic, inorganic, and naturally occurring polymers

Ue
Unique Element

Editor-in-Chief Marc A. Hillmyer and his colleagues synthesized a sugar-based polymer from which the original monomer can be easily recovered during the recycling process. Additionally, Hillmyer received a grant in June 2019 to develop corn-based plastics that will have greater toughness, strength, and thermal stability than existing corn-based plastics.

molecular pharmaceutics

Editor-in-Chief
Lynne S. Taylor
Purdue University

e-ISSN: 1543-8392
Print ISSN: 1543-8384
Issue 1: January 2004
12 Issues/Year
2019 Impact Factor: 4.321
2019 Citations: 18,599
2019 Articles Published: 483

pubs.acs.org/**mp**

The Preeminent Journal at the Interface of Drug Discovery and Development

Contributing to the Molecular Mechanistic Understanding of Drug Delivery

Molecular Pharmaceutics publishes the results of original research that contribute significantly to the molecular mechanistic understanding of drug delivery and drug delivery systems.

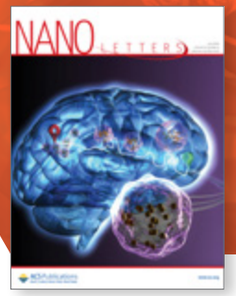
Common Research Areas

- Physical and pharmaceutical chemistry
- Biochemistry and biophysics
- Molecular and cellular biology
- Polymer and materials science as they relate to drug and drug delivery system efficacy
- Mechanistic drug delivery
- Drug targeting research on modulating activity and efficacy

Ue
Unique Element

Editor-in-Chief Lynne S. Taylor is a fellow of both the American Association of Pharmaceutical Scientists and the Royal Society of Chemistry.

NANO LETTERS



Editor-in-Chief
Teri W. Odom
Northwestern University

e-ISSN: 1530-6992
Print ISSN: 1530-6984
Issue 1: January 2001
24 Issues/Year
2019 Impact Factor: 11.238
2019 Citations: 165,521
2019 Articles Published: 1,160

pubs.acs.org/**nanolett**

Broad Reach for Highly Cited Rapid Reports in Nano

An Established Leader and a Staple Resource for Nano Research

Nano Letters reports on fundamental research in all branches of the theory and practice of nanoscience and nanotechnology, providing rapid disclosure of the key elements of a study. *Nano Letters* publishes preliminary, experimental, and theoretical results on physical, chemical, and biological phenomena, along with processes and applications of structures within the nanoscale range.

Common Research Areas

- Synthesis and processing of organic, inorganic, and hybrid nanosized materials by physical, chemical, and biological methods
- Modeling and simulation of synthetic, assembly, and interaction processes
- Characterization of size-dependent properties
- Realization and application of novel nanostructures and nanodevices

Ue
Unique Element

Nano Letters is ranked #2 in Nanotechnology, #3 in Materials Engineering, and #9 in Engineering & Computer Science by Google Scholar. It's also listed as the #25 journal overall.

Organic LETTERS

Editor-in-Chief
Erick M. Carreira
ETH Zürich

e-ISSN: 1523-7052
Print ISSN: 1523-7060
Issue 1: July 1999
24 Issues/Year
2019 Impact Factor: 6.091
2019 Citations: 101,101
2019 Articles Published: 2,103

pubs.acs.org/**ol**

The Highest-Impact and Most Rapid Communications Journal in Organic Chemistry

The most cited journal in Organic Chemistry

A Leader in the Rapid Communication of Important Discoveries in Organic Chemistry

Organic Letters serves as the international forum for communicatng important research in all branches of the theory and practice of organic chemistry. It publishes brief reports on cutting-edge research, creative approaches, and innovative ideas in a broad range of organic chemistry research to be quickly shared with other scientists.

Common Research Areas

- Organic chemistry, including organometallic and materials chemistry
- Physical and theoretical organic chemistry
- Natural products isolation and synthesis
- New synthetic methodology
- Bioorganic and medicinal chemistry

Ue
Unique Element

Among the 57 journals listed in the Organic Chemistry category, *Organic Letters* ranks in the top five journals overall in Impact Factor (#4) and Immediacy Index (#5) and ranks #1 in both Total Citations and Most Citable Items.

ORGANIC PROCESS RESEARCH & DEVELOPMENT

OPR&D

Editor-in-Chief
Kai Rossen
Lundbeck

e-ISSN: 1520-586X
Print ISSN: 1083-6160
Issue 1: January 1997
12 Issues/Year
2019 Impact Factor: 3.023
2019 Citations: 8,196
2019 Articles Published: 286

pubs.acs.org/**oprd**

Partner in Process Chemistry Research, Development, and Manufacturing

Essential for Laboratory to Large-Scale Chemical Processing and Engineering

Organic Process Research & Development (OPR&D) reports original work from the broad field of industrial process chemistry but also academic results that are relevant, or potentially relevant, to industrial applications. *OPR&D* covers research and development from and for the fine organic chemicals and specialty chemicals industries, including pharmaceuticals, agrochemicals, electronic chemicals, flavors and fragrances, intermediates, food additives, and specialty polymers as well as work from commodity chemicals, petrochemicals, and polymers.

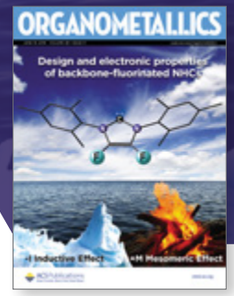
Common Research Areas

- Every aspect of organic chemistry, including all aspects of catalysis
- Analytical and solid-state chemistry and chemical engineering, such as workup tools, process safety, and flow chemistry
- Synthetic methodology development and synthetic strategy exploration

Ue
Unique Element

Organic Process Research & Development serves as a communication tool between industrial chemists and chemists working at universities and research institutes.

ORGANOMETALLICS



Editor-in-Chief
Paul J. Chirik
Princeton University

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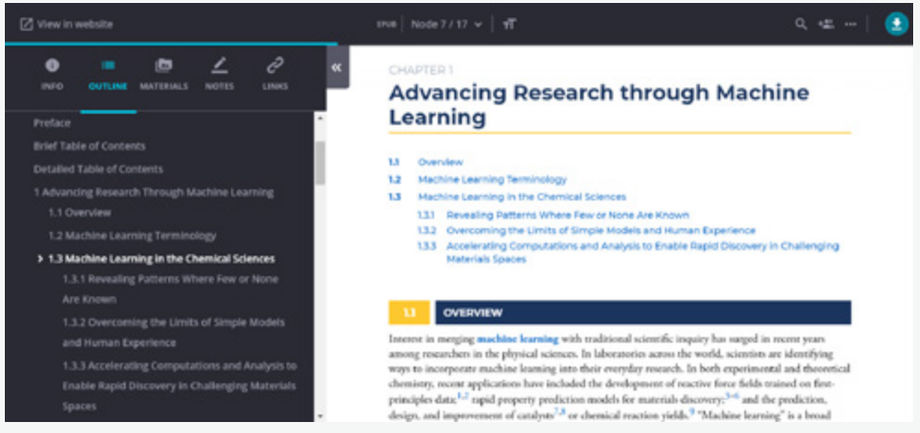

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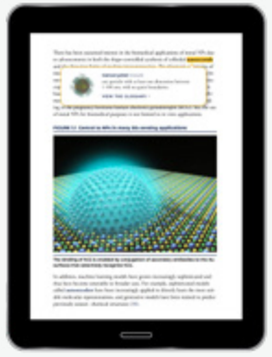

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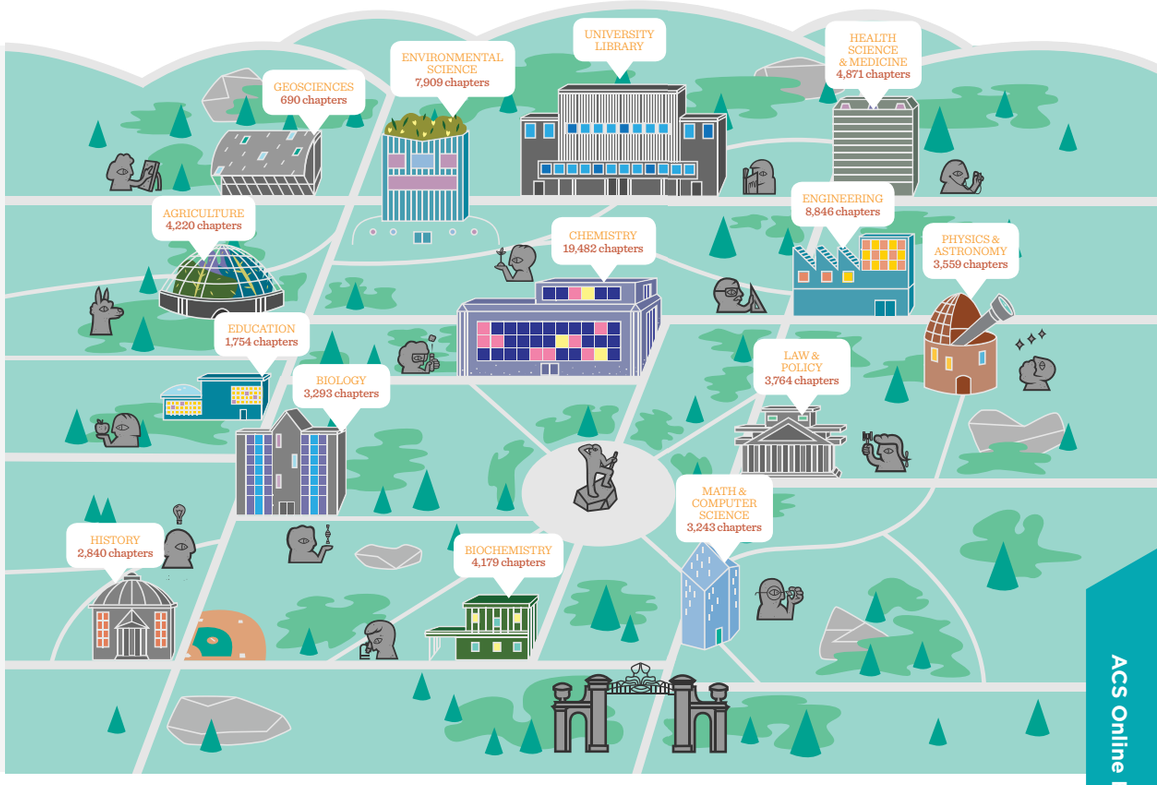

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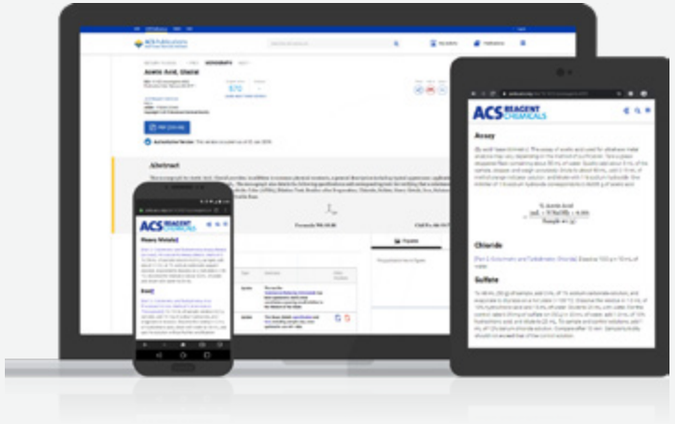

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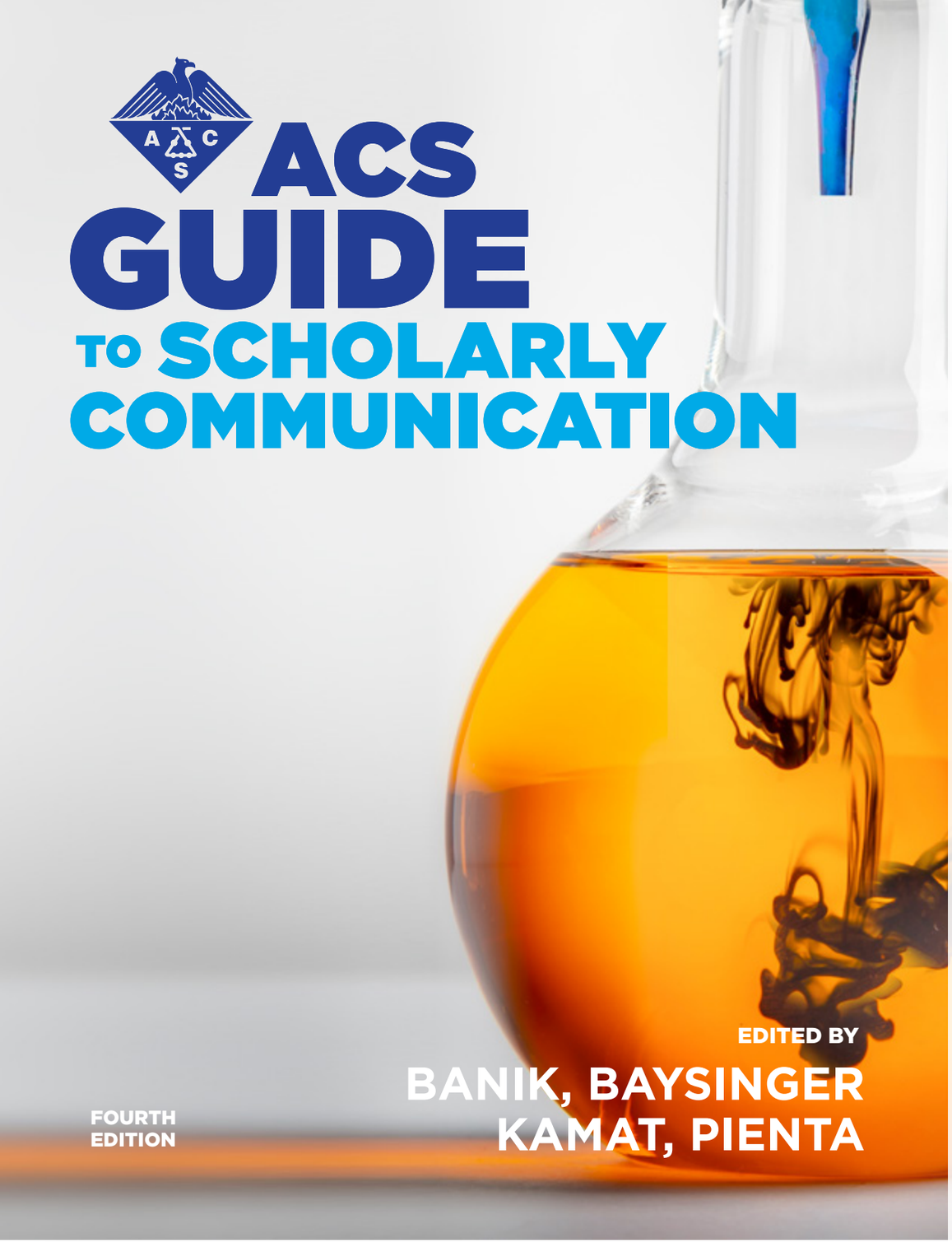

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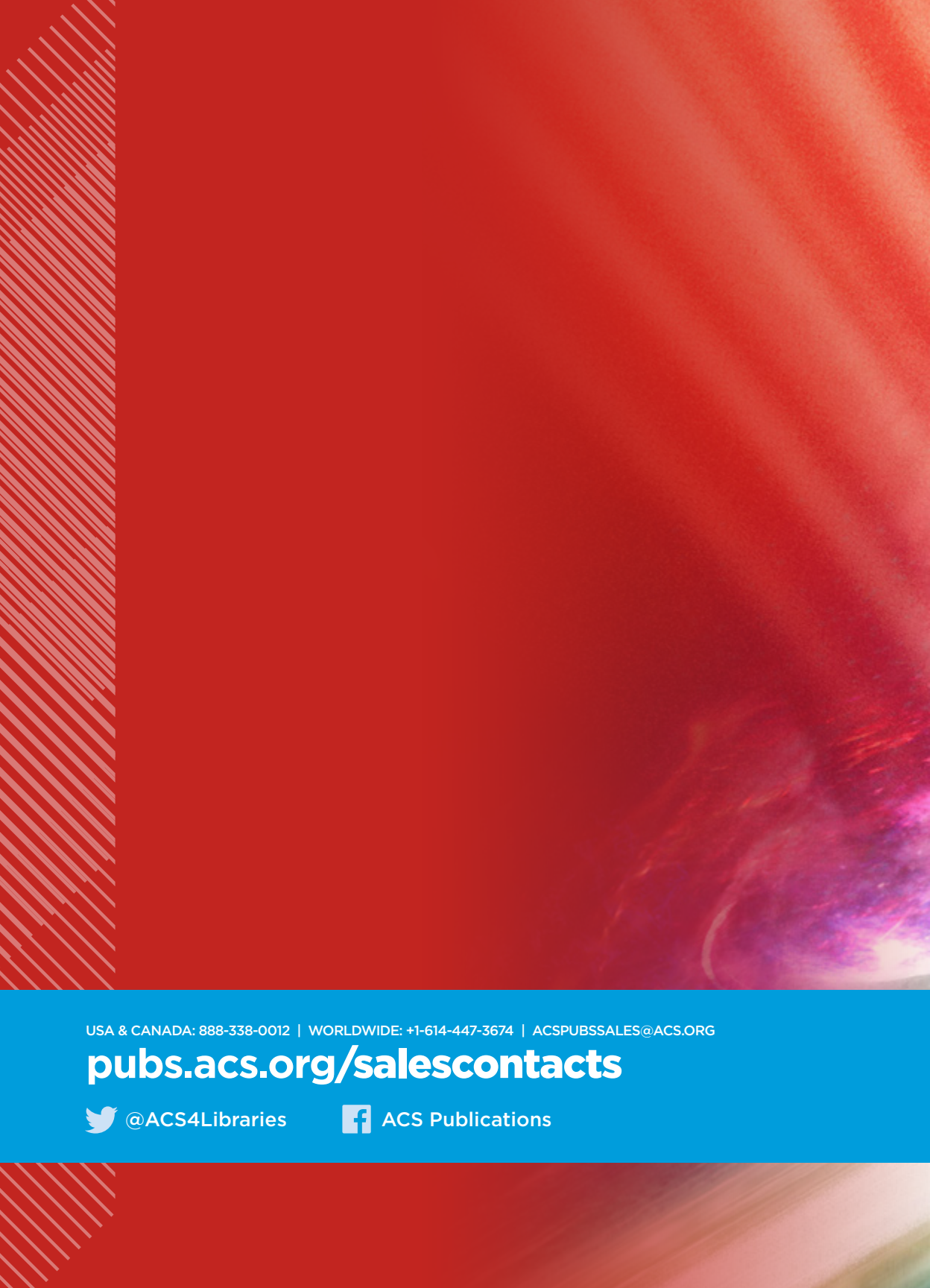

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