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**"Why am I muted?"**

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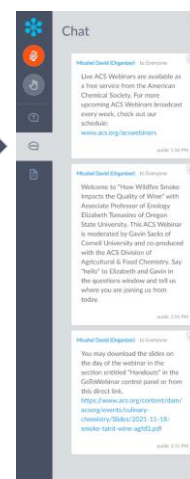


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Announcements and hyperlinks from our team



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## A Career Planning Tool For Chemical Scientists



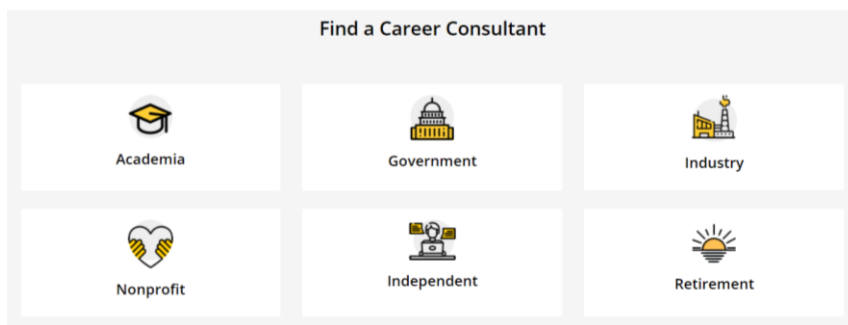
**ChemIDP** is an Individual Development Plan designed specifically for graduate students and postdoctoral scholars in the chemical sciences. Through immersive, self-paced activities, users explore potential careers, determine specific skills needed for success, and develop plans to achieve professional goals. **ChemIDP** tracks user progress and input, providing tips and strategies to complete goals and guide career exploration.

<https://chemidp.acs.org>

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## Career Consultant Directory



- ACS Member-exclusive program that allows you to arrange a one-on-one appointment with a certified ACS Career Consultant.
- Consultants provide personalized career advice to ACS Members.
- Browse our Career Consultant roster and request your one-on-one appointment today!

[www.acs.org/careerconsulting](http://www.acs.org/careerconsulting)

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## ACS Career Resources



### Professional Development & Education

<p><b>ACS Professional Education</b> Starting and taking opportunities from being exposed to new things, courses and ideas for your career.</p>	<p><b>ACS Leadership Development</b> A suite of flexible, self-paced courses for getting your leadership skills ready to go.</p>	<p><b>ACS Institute</b> An online learning portal that offers a virtual collection of learning and training resources designed by leading experts.</p>
<p><b>Virtual Classrooms</b> Brought to you by ACS Career Pathways™, these online classrooms can provide exposure to key job areas and your career goals.</p>	<p><b>ACS Webinars</b> Hundreds of webinars presented by subject matter experts in the chemical enterprise.</p>	<p><b>Career Events</b> Free webinars and networking opportunities for the chemical enterprise professionals.</p>
<p><b>ACS on Campus</b> Free events where students can interact with top researchers, learn and bring home ACS offers and get career tips.</p>	<p><b>Paradise to Faculty Workshop</b> An annual workshop for postdoctoral fellows transitioning to faculty positions in the chemical enterprise.</p>	<p><b>Career Kick-Starters Workshop</b> A one-day career development workshop for graduate students and postdoctoral fellows.</p>

### Managing Your Career

<p><b>ACS Career Pathways™</b> Helping students discover their most suitable careers in industry, higher education, government, and working for yourself.</p>	<p><b>Career Consultants</b> Personalized consulting guidance to make more meaningful career decisions and find better fit in your job search.</p>	<p><b>ChemISP™</b> ACS Institute developed the platform for graduate students and postdoctoral fellows.</p>	<p><b>Résumé Review</b> Get to know you in a unique &amp; fun way with 100+ reviews to support your job search.</p>
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### Register for a 2023 Virtual Office Hour

2 FEB	Academia vs. Industry February 2, 2023	2 MAR	Networking March 2, 2023
6 APR	Acing the Interview April 6, 2023	4 MAY	Careers in Industry May 4, 2023
1 JUN	Entrepreneurship June 1, 2023	6 JUL	Is grad school right for me? July 6, 2023
3 AUG	Careers in Government August 3, 2023	7 SEP	The Basics of Building Resilience September 7, 2023
5 OCT	Skydiving into Retirement October 5, 2023	2 NOV	Finding and securing an internship November 2, 2023
		7 DEC	Careers in Academia December 7, 2023

<https://www.acs.org/content/acs/en/careers/personal-career-consulting.html>

<https://www.acs.org/content/acs/en/careers/developing-growing-in-your-career.html>

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Email us at [bridge@acs.org](mailto:bridge@acs.org)

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## ACS Scholar Adunoluwa Obisesan

BS, Massachusetts Institute of Technology, June 2021  
(Chemical-biological Engineering, Computer Science & Molecular Biology)



*"The ACS Scholars Program provided me with monetary support as well as a valuable network of peers and mentors who have transformed my life and will help me in my future endeavors. The program enabled me to achieve more than I could have ever dreamed. Thank you so much!"*

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## ACS OFFICE OF DEIR

Advancing ACS' Core Value of Diversity, Equity, Inclusion and Respect



### Resources

<p><b>Inclusivity Style Guide</b> Designed to help staff and members use language and images that respect diversity in all its forms.</p> <p>→</p>	<p><b>ACS Webinars on Diversity</b> Covering diversity and inclusion at the workplace</p> <p>→</p>
<p><b>ACS Publications DEIR Hub</b> See what ACS Publications is doing for fostering inclusivity in scholarly publishing</p> <p>→</p>	<p><b>ACS Volunteer and ACS Meetings Code of Conduct</b> Fostering a positive and welcoming environment for attendees, volunteers and staff.</p> <p>→</p>
<p><b>C&amp;EN Trailblazers</b> C&amp;EN highlights scientists from different backgrounds who are making an impact in chemistry.</p> <p>→</p>	<p><b>NEW! Download DEIR Educational Resources</b> Download this educational guide for additional recommendations on videos, articles, books, podcasts, and more on diversity, inclusion, and related topics.</p> <p>→</p>
<p><b>Quick Guide: Inclusion Moments</b> Learn more about what Inclusion Moments are and see ideas to host them during your meetings.</p> <p>→</p>	<p><b>Quick Guide: How to host inclusive in-person events</b> Recommendations and best practices to ensure that your events can accommodate everyone.</p> <p>→</p>

### Diversity, Equity, Inclusion, and Respect

\*\*Adapted from definitions from the Ford Foundation Center for Social Justice:

#### Equity\*\*

Seeks to ensure fair treatment, equality of opportunity, and fairness in access to information and resources for all. We believe this is only possible in an environment built on respect and dignity. Equity requires the identification and elimination of barriers that have prevented the full participation of some groups.

#### Diversity\*\*

The representation of varied identities and differences (race, ethnicity, gender, disability, sexual orientation, gender identity, national origin, tribe, caste, socio-economic status, thinking and communication styles, etc.) collectively and as individuals. ACS seeks to proactively engage, understand, and draw on a variety of perspectives.

#### Inclusion\*\*

Builds a culture of belonging by actively inviting the contribution and participation of all people. Every person's voice adds value, and ACS strives to create balance in the face of power differences. In addition, no one person can or should be called upon to represent an entire community.

#### Respect

Ensures that each person is treated with professionalism, integrity, and ethics underpinning all interpersonal interactions.

<https://www.acs.org/content/acs/en/about/diversity.html>

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<https://www.youtube.com/c/ACSReactions/videos>

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Science Writer & Exec Producer



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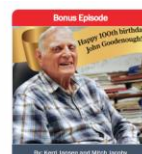
**Bonus Episode**  
Carolyn Bertozzi and K. Barry Sharpless chat about sharing the 2022 Nobel Prize in Chemistry  
December 6, 2022



**Bonus Episode**  
Bioorthogonal, click chemistry clinch the Nobel Prize  
October 5, 2022



**Episode #46**  
Lithium mining's water use sparks bitter conflicts and novel chemistry  
September 13, 2022



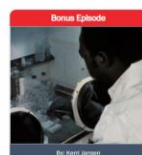
**Bonus Episode**  
Happy 100th birthday, John Goodenough!  
For John Goodenough's 100th birthday, Stereo Chemistry revisits a fan-favorite interview with the renowned scientist  
July 25, 2022



**Bonus Episode**  
Jess Wade on Wikipedia and work-life balance  
June 21, 2022



**Bonus Episode**  
The sticky science of why we eat so much sugar  
May 31, 2022



**Bonus Episode**  
There's more to James Harris's story  
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**Bonus Episode**  
The helium shortage that wasn't supposed to be  
March 24, 2022

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[cen.acs.org/sections/stereo-chemistry-podcast.html](http://cen.acs.org/sections/stereo-chemistry-podcast.html)

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# ACS Industry Member Programs

- **ACS Industry Matters**

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Preview Content: [acs.org/indnl](https://acs.org/indnl)

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[acsoncampus.acs.org](https://acsoncampus.acs.org)

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[www.acs.org/acswebinars](http://www.acs.org/acswebinars)



**NEXT WEEK!**



Wed., Feb. 15, 2023 | 2:00-3:00pm ET

### Being Seen, Heard, and Influencing Chemistry as Black Women

Co-produced with ACS Office of Diversity, Equity, Inclusion & Respect

**NEXT WEEK!**



Thurs., Feb. 16, 2023 | 2:00-3:00pm ET

### Crossroads of Chemistry: Decisions, Opportunities and Finding your Path

Co-produced with ACS Committee on Science



Wed. March 1, 2023 | 2:00-3:00pm ET

### Left, Right or Straight Ahead? Making Smarter Decisions

Co-produced with ACS Women Chemists Committee

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## More Tips for Publishing in ACS Journals



CRAIG LINDSLEY, PhD

Editor-in-Chief, *Journal of Medicinal Chemistry* & University Professor of Pharmacology and William K. Warren, Jr. Chair in Medicine, Vanderbilt University



KELLY CHIBALE, PhD

Editor-In-Chief, *ACS Medicinal Chemistry Letters* & Professor of Organic Chemistry, Neville Isdell Chair in African-centric Drug Discovery & Development, University of Cape Town, South Africa



LORI FERRINS, PhD

Topic Editor, *Journal of Medicinal Chemistry* & Research Associate Professor, Northeastern University

*This ACS Webinar<sup>®</sup> is co-produced with ACS on Campus and ACS Publications.*

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## Audience Survey Question

ANSWER THE QUESTION ON THE INTERACTIVE SCREEN IN ONE MOMENT

### How familiar are you with the publishing process for submitting to a Journal?

- **Unfamiliar** - I have not been published before in any Journals
- **Somewhat Familiar** - I have been published in scientific journals, but not an ACS Journal
- **Familiar** - I have been published in ACS Journals before
- **Very Familiar** - I am been published in ACS Journals and serve as a reviewer
- **Other** (Let us know more in the questions window)

\* If your answer differs greatly from the choices above **tell us in the questions window!**

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**ACS ON CAMPUS**

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# More Tips for Publishing in ACS Journals

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VIRTUAL EVENT

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# Publishing Tips

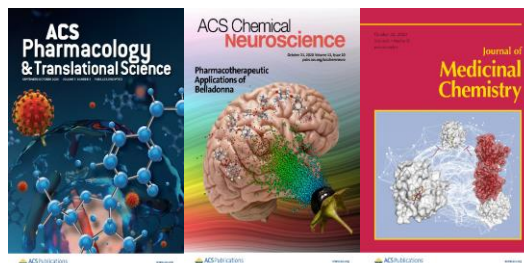
Craig Lindsley, Ph.D.  
EIC, *Journal of Medicinal Chemistry*

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## Crafting a Great Paper

### Here's How:

- Critically evaluate your science for Journal to submit to
- Read Instructions for Authors
  - Make it easy on Editors and Reviewers
- Catchy title
- Visually enticing graphical abstract
- Tell a STORY – include teachable moments and unique findings
- Give credit where credit is due in the reference section!
- Promote your science!



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## Successful Publishing



- Reviewer fatigue is real – always suggest expert reviewers with submission- the more the better (6+)
- Grammar and syntax is critical
- PROMOTE your work on social media – your publications are the advertisements for you, your lab/company.
- Publishing is a partnerships with the Editors – reach out!



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## Audience Survey Question

ANSWER THE QUESTION ON THE INTERACTIVE SCREEN IN ONE MOMENT

**Which do you struggle with MOST when submitting to a Journal for publication?**

- Selecting the right Journal
- Telling a story with data
- Creating an attractive title or graphics
- Finding assistance with the revising, editing, or reviewing process
- Other (Let us know more in the questions window)

**\* If your answer differs greatly from the choices above tell us in the questions window!**

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# Publishing Tips

## Kelly Chibale, Ph.D.

### EIC, *ACS Medicinal Chemistry Letters*

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# Choose the Journal Carefully



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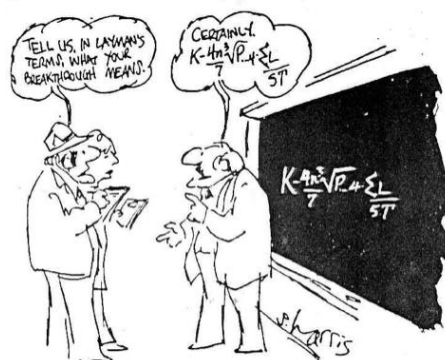


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## When am I ready to write a manuscript for a journal?

### Ask yourself:

- Do my data **"tell a story,"** or are they merely pieces of information?
- Do the results provide novel insights and advance the field?
- Does it fit the scope of the journal
- If in doubt, reach out to the Editor-In-Chief directly with presubmission inquiries or any other questions or concerns



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Ten Tips for Scholarly Publishing

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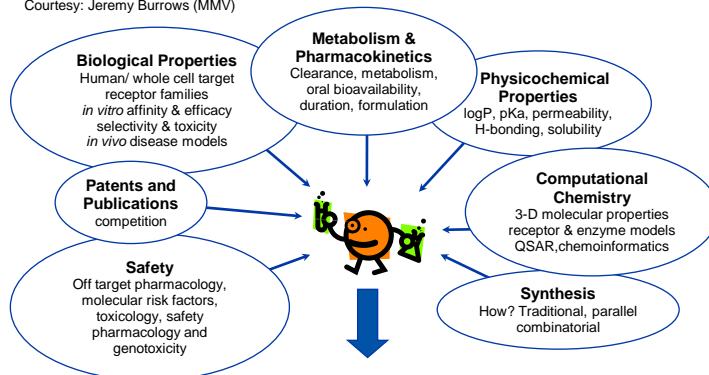
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# Medicinal Chemistry

Courtesy: Jeremy Burrows (MMV)



Be able to use all above information and knowledge to design a molecule that overcomes any hurdles to become a medicine

## EIC Vision: *ACS Medicinal Chemistry Letters*

## Toward a Globally Diverse and Inclusive Community of Medicinal Chemists of the Future

<https://doi.org/10.1021/acsmmedchemlett.2c00533>

- Underepresented geographical regions
- Therapeutic areas
- Author experience



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# The Ten Tips



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## TEN TIPS

# Create a Useful Outline



Collect data and understand advances



Ask Questions - Why? What? How?



Organize data by importance, not time



Evaluate need for and create useful figures



Share your outline with coauthors for feedback



Draft the outline as early as possible



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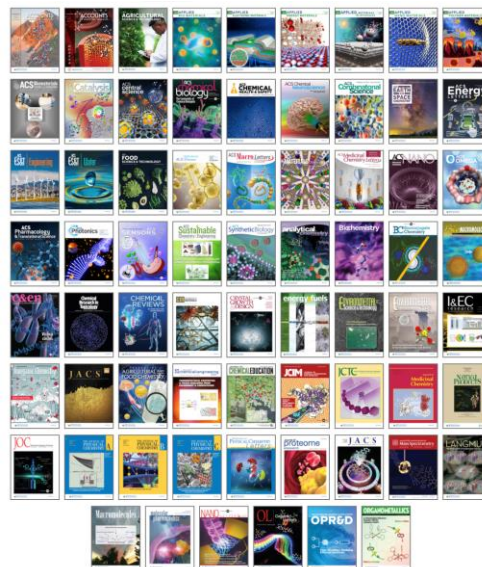
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## TEN TIPS

# Choose the Journal Carefully

## Tips

- ACS publishes more than 60 journals
- More than 20 ACS journals publish materials science
- To choose the best journal, understand these needs for your manuscript:
  - Community fit and scope
  - Manuscript type
  - Impact and appeal to audience served
  - Open access needs
  - Related research published



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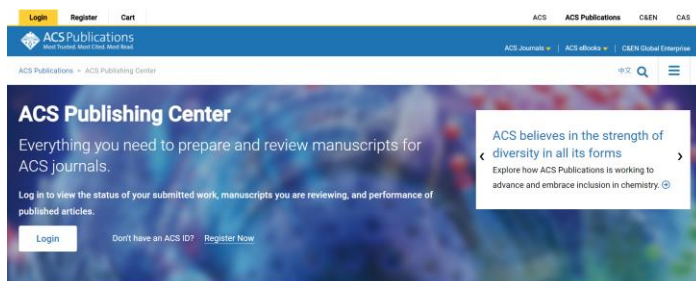
## TEN TIPS

## Read and Follow the Guidelines

The journal and ethical guidelines were written to help YOU!

[publish.acs.org](https://publish.acs.org)  
[pubs.acs.org/page/policy/ethics/index.html](https://pubs.acs.org/page/policy/ethics/index.html)

For example, Manuscript Types may vary among journals and the guidelines are how to know which type is best for your manuscript.



### Journal Guidelines And Templates

Everything you need to prepare and submit your manuscript

Select an ACS journal

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- Journal Scope
- Data and Figure Requirements
- Open Access and Preprint Policies
- Contact Information
- Submit with Fast Format



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## TEN TIPS

## Tell a Story

1. Identify your main theme
2. Explain why the problem is important (& what related ideas are already known)
3. Provide “already known” context via prior literature
4. Conclusion should summarize your main message and main advance
5. Provide sufficient details in experimental (or methodology) for others to replicate if desired
6. Analyze the data thoroughly and objectively
7. Include the right balance (or level) of data
8. Avoid acronyms, with few exceptions



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TEN TIPS

## Tell a Story

### Avoid common language pitfalls

Imprecise language	Translation
"It has long been known"	I did not look up the reference
"In my experience"	Once
"In many cases"	Twice
"In a series of cases"	Thrice
"It is believed that"	I think
"It is generally believed that"	A few other people think so, too
"Clearly"	Often, not that clear



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TEN TIPS

## Draw Graphics with Care

Graphics should help the reader comprehend the story you are trying to tell.

1

Be clear and precise - use readable fonts

2

Figures should contain real data that tells your story

3

Use color

4

Graphics must be original unpublished artwork

5

Include error analysis



Where can I learn more?

<https://pubs.acs.org/doi/pdf/10.1021/jz500997e>

Don't distort visual impact of the data with choice of axis ranges.



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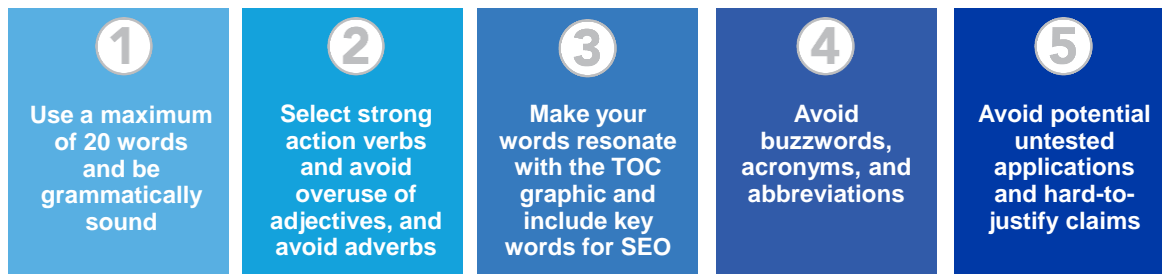


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## TEN TIPS

# Attract Readers with the Title and TOC Graphic

## Create a Strong Title



See also:

<https://pubs.acs.org/doi/full/10.1021/cm5017917><https://pubs.acs.org/doi/10.1021/acsanm.0c01089>

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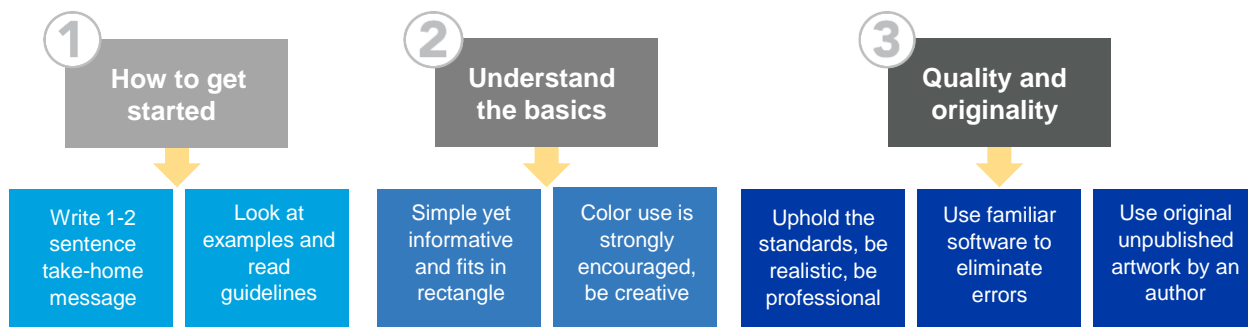


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## TEN TIPS

# Attract Readers with the Title and TOC Graphic

## Creating your TOC Graphic



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## TEN TIPS

# Avoid Plagiarism

## Plagiarism and related issues

- Self-plagiarism
- Concurrent submission
- Prior publication



Where can I read more about plagiarism and related issues?

<https://publicationethics.org/>

## Recycling Is Not Always Good: The Dangers of Self-Plagiarism

Plagiarism is an act of academic fraud that implies "taking over the ideas, methods, or written words of another, without acknowledgment and with the intention that they be taken as the work of the deceiver."<sup>1</sup> If one "borrows" one's own ideas from one's own publication(s) without attribution, is the deception still academic fraud? Yes, it is, because it is an intentional attempt to deceive a reader by implying that new information is being presented. Intentional deception is fraud; one of the two definitions of fraud in the Oxford English Dictionary is:

*"a person or thing intended to deceive others, typically by unjustifiably claiming or being credited with accomplishments or qualities"*<sup>2</sup>

As a result, recycling old data as new material (the accomplishment or quality), when it is not so, is tantamount to attempting to deceive one's audience.<sup>3</sup>

There are a number of serious problems that arise from self-plagiarism that can affect both the scientific community as a whole and individual researchers.

Thankfully, much thoughtful consideration has been given to defining, describing, recognizing, and avoiding self-plagiarism.<sup>3,5</sup> A number of sources are given here, but an excellent place to start to explore the concept is with a detailed piece by Miguel Roig on the Office of Research Integrity's Web site.<sup>6</sup> According to this helpful and scientifically oriented

Source: <https://pubs.acs.org/doi/10.1021/nn3000912>



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## TEN TIPS

# Revise, Edit, and Rework

## Tips

- A good manuscript goes through many drafts before submission
- Revisions are an important part of the process, and give all authors the time to support and edit the manuscript prior to submission
- "Fresh eyes" later in the revision process can often be quite helpful



Where can I learn more?

<https://www.youtube.com/watch?v=q3mrRH2aS98>

### PUBLISHING YOUR RESEARCH 101

#### Episode 1 – How to Write a Paper to Communicate Your Research



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## TEN TIPS

## Prepare the SI with Care

### What goes in the SI?

- Data that further substantiates your claims
- Cross-reference the SI in the main text to provide an easy-to-follow manuscript
- Do add movies and/or photos of experiments to assist readers

RETURN TO ISSUE | < PREV RESEARCH ARTICLE NEXT >

#### Scaling Relations in Homogeneous Catalysis: Analy

Megha Anand and Jens K. Nørskov\*

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 Publication Date: November 25, 2019  
<https://doi.org/10.1021/acscatal.9b04929>  
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### Where can I find journal guidelines for submission of SI?

<https://publish.acs.org/publish/>

Journal homepages

Updated ACS Guide to Scholarly Communication Online

<https://pubs.acs.org/doi/book/10.1021/acsguide>

In Chemistry Education manuscripts, the SI often includes important information for how to implement the educational innovation described in the manuscript



More Tips for Publishing in ACS Journals

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## TEN TIPS

## Write a Clear, Accurate Cover Letter

### Tips

- Address the Editor-in-Chief directly by name
- Include the title of the manuscript and the name of the journal you are submitting to
- Explain why the work is appropriate for the journal's readership
- Include your "take home message" – be concise!



### Where can I learn more?

<https://pubs.acs.org/doi/10.1021/acscatal.9b04929>

#### The Cover Letter

John R. Yates, III

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<https://doi.org/10.1021/acscatal.6b01068>  
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PDF (130 KB)

SUBJECTS: Elements, Quality management

Publishing is the principal means by which scientific findings are communicated and confirmed to the broader community. As I half-jokingly remind my lab, "if it isn't published, it doesn't exist." Among the many steps in the path to publication, if you are like most authors, the cover letter is the last step in the process and, unfortunately, often the most rushed and overlooked. Authors who underestimate the value of a strong cover letter often squander an opportunity to delineate the value of their work, which can sometimes determine whether a manuscript is even sent for peer review. Before digital submission of manuscripts became the norm, the cover letter was attached to the front of the manuscript so that it was the first document an editor would read. A typical letter might include the title of the paper, verification that it has been submitted to only this journal, suggestions of appropriate reviewers for the paper, and, most importantly, information about the importance of the work and its relevance to the readership of the journal. Since much of the operational information is now provided through checkboxes and other forms in the digital submission process, authors no longer feel compelled to describe the work, making the cover letter more of an afterthought or a place where people reiterate the information already provided in the submission process.



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ABOUT TO BEGIN!**

Keep submitting your questions  
in the questions window!



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## Additional Key Resources



**Where can I find journal guidelines  
and templates for submission?**

<https://publish.acs.org/publish/>

Journal homepages

Updated *ACS Guide to Scholarly  
Communication Online*

<https://pubs.acs.org/doi/book/10.1021/acsguide>

ACS Authoring Services:

<https://authoringservices.acs.org/en/>

OR

<https://authoringservices.acs.org/cn/>

The image shows two screenshots of the ACS Publications website. The top screenshot displays the 'ACS GUIDE TO SCHOLARLY COMMUNICATION' page, which includes a 'Table of Contents' with sections like '1.1 Different Ways Scholarly Communication...', '1.2 What is Scholarly Publication...', '1.3 Understanding Safety Information...', and '1.4 Intellectual Property/Ownership, Permissions, & Beyond...'. A 'How do I?' search bar and a 'Get Access' button are also visible. The bottom screenshot shows the 'ACS Publishing Center' page, which provides information on preparing and reviewing manuscripts for ACS journals. It includes a 'Log in to view the status of your submitted work, manuscripts you are reviewing, and performance of published articles.' section with 'Login' and 'Don't have an ACS ID? Register Now' buttons. Below this, there is a 'Journal Guidelines And Templates' section with a dropdown menu to 'Select an ACS journal' and a list of links for 'Author Guidelines', 'Journal Scope', 'Data and Figure Requirements', 'Open Access and Payment Policies', and 'Contact Information'. A 'Review Ready Submission' link is also present.



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