

# Publishing with the Royal Society of Chemistry

Dr. Tonghuan Zhang

Assistant Editorial Development Manager

张同欢 博士

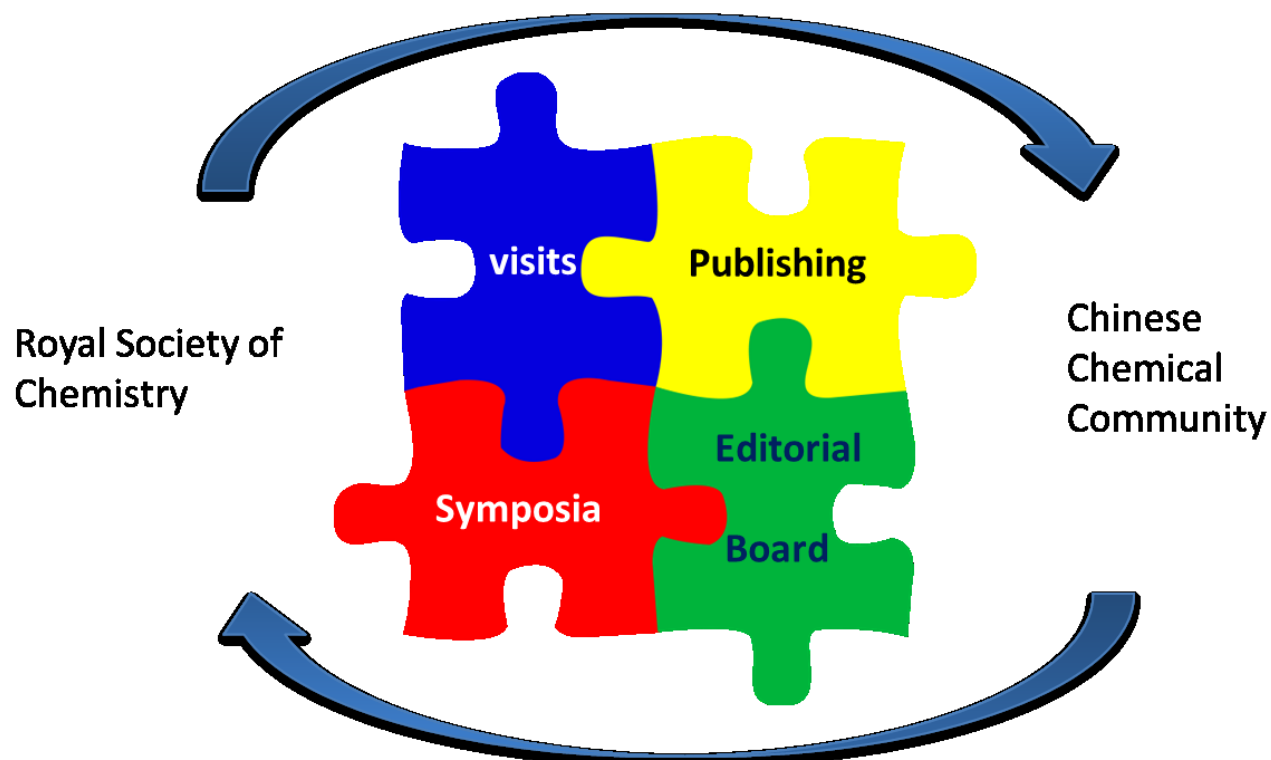
英国皇家化学会 中华区副出版人

ZhangT@rsc.org



# My Role

- Assistant Editorial Development Manager (AEDM), China;
- Starting from July 10, 2019 after obtaining my Ph.D. from PKU;
- Develop strategies to increase RSC's **publication qualities** and **readership** in China;
- Publishing program in the areas of Materials, Inorganic, Organic, Physical, Analytical and Chemical Engineering



# Royal Society of Chemistry

We promote, support and celebrate chemistry

RSC

RSC in China

RSC journals

## Outline

Tips on How to publish in high impact journals

- How to write a paper
- Choosing and submitting to a journal
- What do Editors do / how peer review works
- Promoting your work

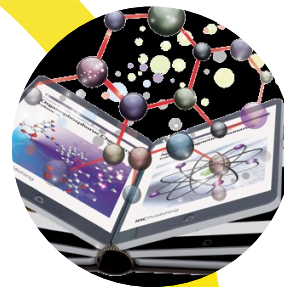
# Royal Society of Chemistry



Since 1841 with the starting 77 members



>50,000 members in 125 countries



Leading Not-for-profit Publisher



Conferences; Events



Royal Charter



Education; Training; Qualifications

# The leading international publisher



- 44 peer reviewed journals, magazines, databases and print & e-books



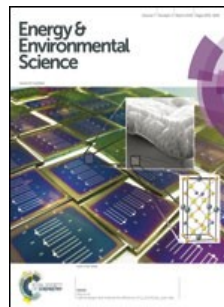
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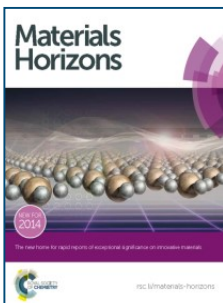
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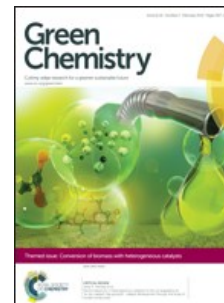
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IF 9.405



Magazines

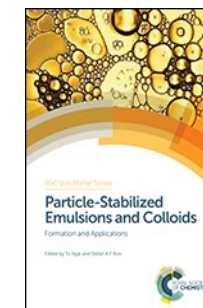
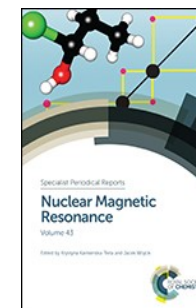
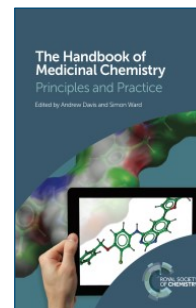
Chemical Hazards in Industry

THE  
**MERCK INDEX<sup>®</sup> Online**

Available exclusively from the Royal Society of Chemistry



Databases



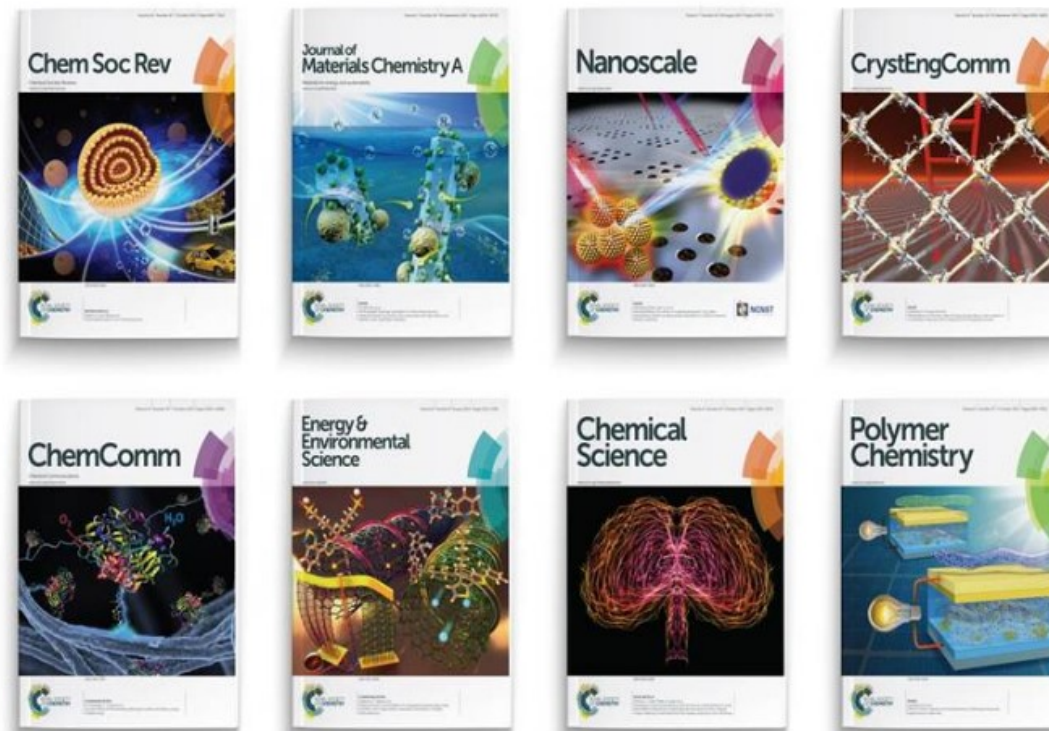
Books

(Textbooks, Monographs, Specialist Periodical Reports, Conference Proceedings, Popular Science)



# RSC Publishing Facts in 2018

- 44 journals
- Average IF: 6.875
- 120,899 submissions
- 34,150 papers published (**over 40% from China** followed by US, UK and India)
- 306 Associate Editors (**74 from China**) (excluding *RSC Advances*)
- Over 60 in-house Publishing Editors



# Royal Society of Chemistry



A global community

# Royal Society of Chemistry Editorial Board members





# RSC Editors in China



**Chunli Bai**

*Nanoscale & Nanoscale Advances, EIC* *Inorganic Chemistry Frontiers, EIC*



**Song Gao**



**Ben Zhong Tang**

*Materials Chemistry Frontiers, EIC*

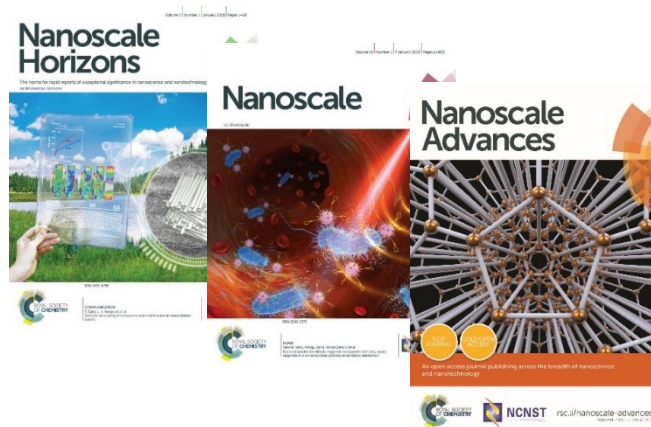
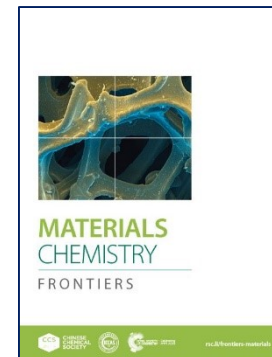
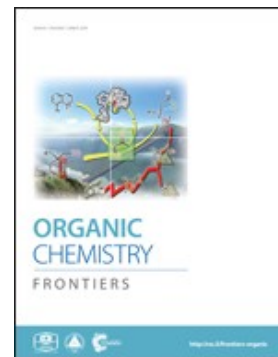
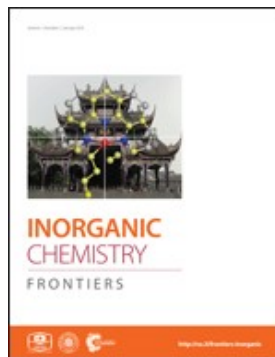


**Shengming Ma**

*Organic Chemistry Frontiers, EIC*

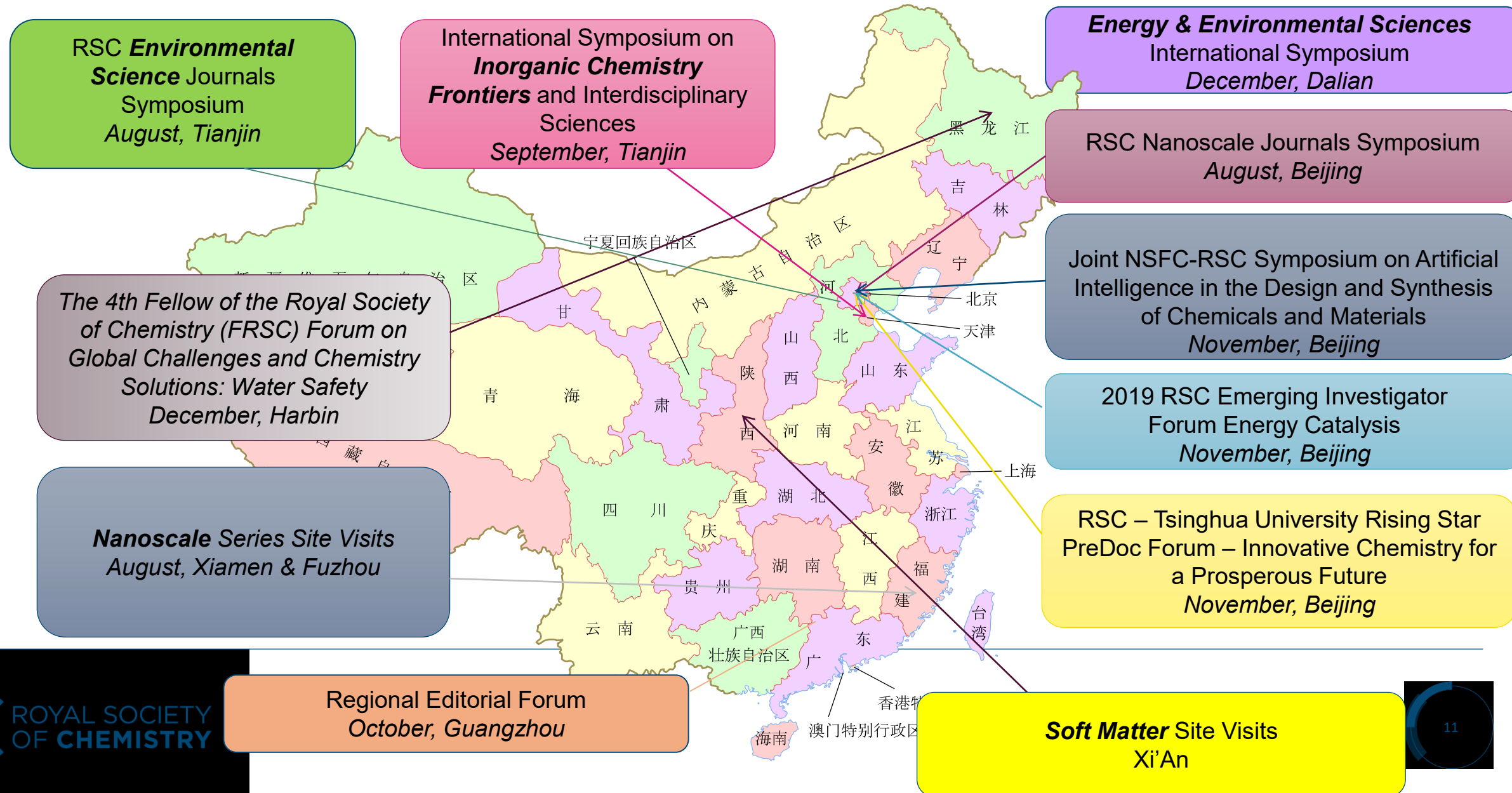


# Publishing collaborations in China



National Center for  
Nanoscience and Technology

# RSC Conferences and Events in China 2019



# Chem Soc Rev

## The home of high-impact reviews

- Read by all – students and established researchers, academics and industrial scientists, specialists and non-specialists
- 24 issues per year
- ~300 papers annually; ~70 from China



Chair, Professor  
Douglas Stephan



Associate Editor Professor  
Zhong-Qun Tian



Impact Factor  
**40.443**

Submit only your  
highest-quality reviews today:  
[rsc.li/chem-soc-rev](https://rsc.li/chem-soc-rev)

# Chem Soc Rev

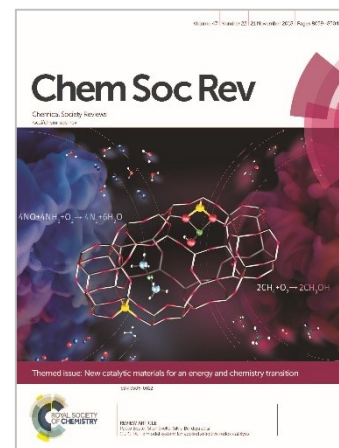
Know an outstanding scientist who deserves recognition?

Nominate them for the *ChemSocRev* 2020  
**Pioneering Investigator Lectureship**

Nomination deadline: **29<sup>th</sup> November 2019**

Find out more: [\*\*rsc.li/csr-pio2020\*\*](https://rsc.li/csr-pio2020)

Yujie Xiong: Winner of the *Chem Soc Rev* Pioneering Investigator Lectureship 2019



# Chemical Science

The Royal Society of Chemistry's flagship journal

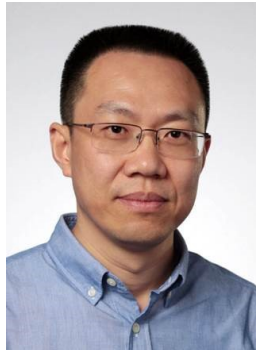
- **Accessible:** Free to read and free to publish with no APCs
- **High quality:** Essential reading for chemists in all areas
- **Global:** An international author, reviewer, and reader base (authors from 54 countries in 2018)



Editor-in-Chief  
Professor Andrew Cooper



Associate Editor  
Professor Jihong Yu



Associate Editor  
Professor Yitao Long



Impact Factor  
**9.556**

48 issues per year  
Annual publication: ~1300  
27% from China

# Approach to pre-screening

- Relaxed this over 2018 from Editorial office – in house pre-screening reduced from 65% in 2016 to approx. 40% in 2018
- More personal promotions for authors
- Overall acceptance rate rose from 15% in 2016 to 19% in 2018



# Chem Sci Pick of the Week

- Launched in March 2018 to utilise 28,000 followers on Twitter
- Picked by Chem Sci Editorial team
- All articles are announced and promoted on Twitter #ChemSciPicks, rsc.org news story
- @ChemicalScience followers has increased to 35k followers



## In tune with your emulsions

17 July 2019

Our ChemSci Pick of the Week describes a new method to predictably tune emulsions – which could lead to new methods of drug delivery, cosmetic manufacture, or power generation.



## Slipping between the (battery) sheets

10 July 2019

Our ChemSci pick of the week could be a step towards lower-cost, more sustainable batteries made from potassium, rather than lithium.



## Turning black gold into artificial trees

3 July 2019

A "black" gold material has been developed to harvest sunlight, and then use the energy to turn carbon dioxide (CO<sub>2</sub>) into useful chemicals and fuel.





# ChemComm

Make an impact: The leading international journal for **communications** in the chemical sciences

- High visibility – Indexed in MEDLINE
- Rapid times to publication (100 issues per year)
- Annual publication: ~3500; 40% from China
- 16 AE & 20 In-house editors
- Hybrid mode



Chair, Professor  
Véronique Gouverneur



Associate Editor  
Professor Can Li



Impact Factor  
**6.164**

Submit your best research today:  
[rsc.li/chemcomm](https://rsc.li/chemcomm)

# ChemComm

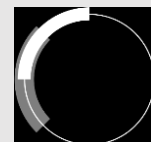
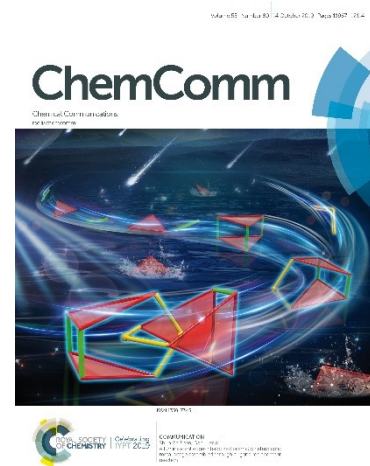
Know an outstanding scientist who deserves recognition?

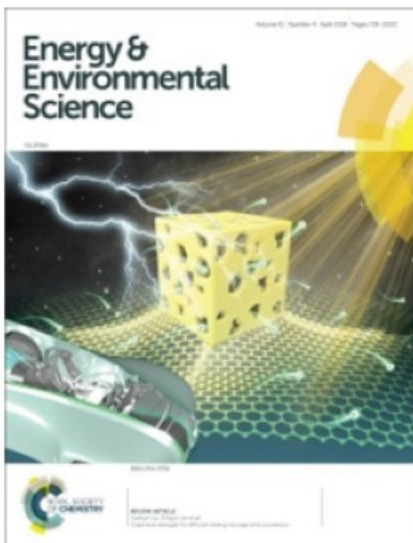
Nominate them for the *ChemComm* 2020  
**Emerging Investigator Lectureship**

Nomination deadline: **29<sup>th</sup> November 2019**

Find out more: [rsc.li/cc-emi2020](https://rsc.li/cc-emi2020)

Raffaella Buonsanti (EPFL) and Corinna Schindler (University of Michigan): winners of 2019





# Energy & Environmental Science

Exceptional quality, agenda-setting research relating to energy conversion and storage, alternative fuel technologies and environmental science, of significant general interest

- Impact factor 33.250\*
- Editorial Board Chair: Joseph Hupp

Submit your highest quality research today:  
**rsc.li/ees**



@EES\_journal

\*2018 Journal Citation Reports (Clarivate Analytics, 2019)



ROYAL SOCIETY  
OF CHEMISTRY

CELEBRATING  
IYPT 2019



# Green Chemistry

Cutting-edge research on the development of alternative sustainable technologies

- Leading journal in the field
- High visibility in the green chemistry community
- Impact factor 9.405\*
- Editorial Board Chair: **Philip Jessop**

\*2018 Journal Citation Reports (Clarivate Analytics, 2019)

Submit your best research now:  
**rsc.li/  
greenchem**

 @green\_rsc





# Catalysis Science & Technology

For publication of the highest impact articles reporting cutting-edge developments across the catalysis science community.

- Impact factor 5.726\*
- Editor-in-chief:  
**Professor Javier Pérez-Ramírez**
- 24 issues per year

\*2018 Journal Citation Reports (Clarivate Analytics, 2019)

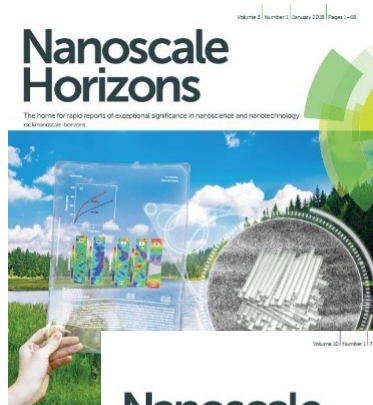
Find out more  
and submit your  
best work:

**rsc.li/  
catalysis**

 @CatalysisSciTec

 ROYAL SOCIETY  
OF CHEMISTRY | CELEBRATING  
IYPT 2019

# Nano Journals



- **2018 Impact Factor 9.095**
- Our highest Impact Factor journal. Publishes exceptional high quality, innovative nanoscience & nanotechnology research
- Times to first decision 30 days



- **2018 Impact Factor 6.970**
- Our largest and most established nano journal. Publishes high quality nanoscience & nanotechnology research
- Times to first decision 32 days



- **Launched in 2019 Impact Factor: Pending**
- Our newest nano journal. Publishes quality, reproducible nanoscience & nanotechnology research
- Gold Open Access with APCs waived until mid-2021

# Associate Editors – Nanoscale & Nanoscale Advances



**Chunying Chen**  
National Center for Nanoscience and  
Technology of China, China



**Yves Dufrêne**  
Université Catholique de Louvain,  
Belgium



**Xiaogang Liu**  
National University of Singapore,  
Singapore



**Shouheng Sun**  
Brown University, USA



**Andrea Ferrari**  
University of Cambridge, UK



**Liberato Manna**  
Istituto Italiano di Tecnologia, Italy



**Umesh Waghmare**  
Jawaharlal Nehru Centre for Advanced  
Scientific Research , India



**Editors-in-Chief**  
**Professor Chunli Bai**  
President of the Chinese Academy of  
Sciences, China



**Serena Corr**  
University of Sheffield, UK



**Rongchao Jin**  
Carnegie Mellon University, USA

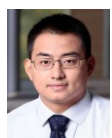


**Paolo Samori**  
University of Strasbourg, France



**Benjamin Wiley**  
Duke University, USA

**Professor Dirk Guld**  
Friedrich-Alexander University, Germany



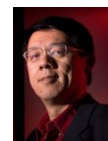
**Qing Dai**  
National Center for Nanoscience and  
Technology of China, China



**Yamuna Krishnan**  
University of Chicago, USA



**Sara Skrabalak**  
Indiana University, USA



**Xiao Cheng Zeng**  
University of Nebraska-Lincoln, USA



**Dong Ha Kim**  
Ewha Womans University, South Korea



**Elena Shevchenko**  
Argonne National Laboratory, USA

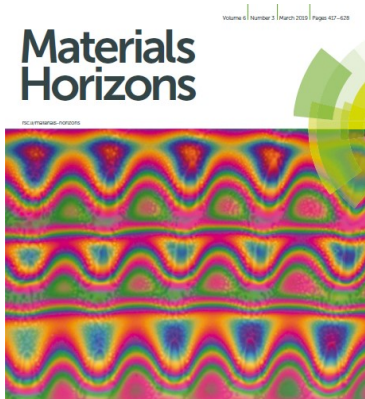


**Quan Li**  
The Chinese University of Hong Kong,  
Hong Kong



**Ling-Dong Sun**  
Peking University, China

# Materials Journals



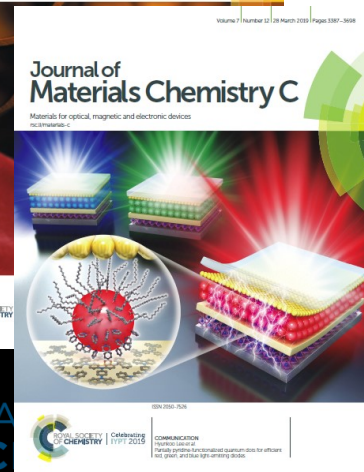
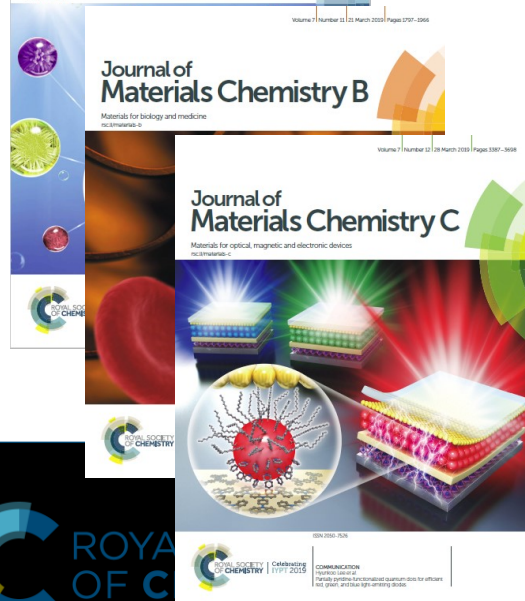
## 2018 Impact Factor 14.356

- Our highest Impact Factor materials journal
- Publishes urgent short reports of exceptionally high quality & innovative materials science
- All original research is in the form of Communication articles
- Times to first decision 30 days



## 2018 Impact Factors A: 10.733, B: 5.047, C: 6.641

- Our largest and most established materials chemistry journals
- Strong history of publishing quality reports of interest to interdisciplinary communities
- Separated by the intended application of the material studied:
  - A - applications in energy and sustainability
  - B - applications in biology and medicine
  - C - applications in optical, magnetic and electronic devices





# Biomaterials Science

Exploring the design, function and interactions of biomaterials and their translation towards clinical use

- Editor-in-Chief: **Jennifer Elisseeff** (John Hopkins University)
- AE: Fujian Xu (BUCT)
- AE: Can Zhang (CPU)
- Impact Factor: 5.251\*
- Indexed in MEDLINE



**Submit today:**

**[rsc.org/BiomaterialsScience](https://rsc.org/BiomaterialsScience)**

 **@BiomaterSci**

\*2018 Journal Impact Factor, Journal Citation Reports (Web of Science Group, 2019)

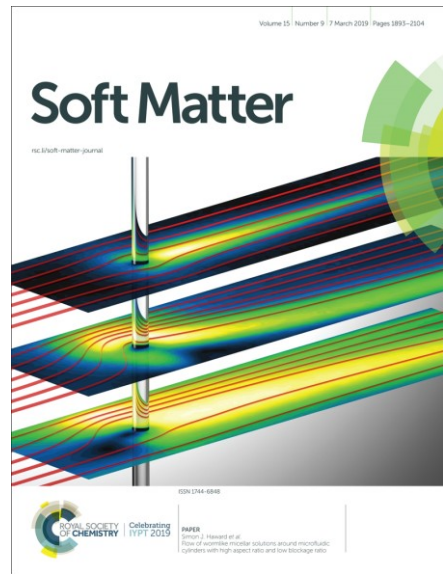


# Soft Matter

Where physics meets chemistry  
meets biology for fundamental soft  
matter research

- Editor-in-Chief: **Darrin Pochan**  
(University of Delaware)
- AE: Jianbin Huang (Peking University)
  - Impact Factor: 3.399\*
  - Indexed in MEDLINE

**Submit now: [rsc.org/SoftMatter](https://rsc.org/SoftMatter)**



 @SoftMatter



\*2018 Journal Impact Factor, Journal Citation Reports (Web of Science Group, 2019)





# Lab on a Chip

Devices and applications at the micro- and nanoscale

Editor-in-Chief: Abraham (Abe) Lee

Associate Editor: Jianhua Qin, DICP of CAS

Impact Factor

**6.914\***

*\*2018 Journal Citation Reports  
(Clarivate Analytics 2019)*

Submit your best  
research now:

**rsc.li/loc**

 @LabonaChip

## Current thematic collections:

- Multi-modal single cell analysis
- Wearable and implantable sensors
- Organ-on-a-Chip: translating concept into practice
- Immunotherapy

**Emerging Investigators Series – apply now!**



# Frontiers journals



A unique not-for-profit society partnership between the **Chinese Chemical Society** and the **Royal Society of Chemistry**.



2018 IF  
**5.934**



*Editor-in-Chief*

**Song Gao, PKU**



2018 IF  
**5.076**



*Editor-in-Chief*

**Shengming Ma, SIOC**



FREE  
2017  
|  
2018



*Editor-in-Chief*

**Ben Zhong Tang, HKUST**



## A new name for MedChemComm

In 2020, *MedChemComm* will change its name to *RSC Medicinal Chemistry*.

Issue 12, 2019 will be the last issue as *MedChemComm*.

All submissions from **10 September 2019** will be considered for publication in *RSC Medicinal Chemistry*.

[Find out more about the change](#)

Impact factor: 2.394\*

Publishing frequency: 12 issues per year

Editor-in-chief: Gerhard Ecker

*MedChemComm* is the official journal of the [European Federation for Medicinal Chemistry](#).

## Scope

*MedChemComm* welcomes significant research and review articles in medicinal chemistry and related drug discovery science. We accept both communication and full paper style articles.

Research articles must show a significant advance on previously published work, or bring new thinking or results which will potentially have a strong impact in their field.

# Tips on How to Get Published on High-Impact Journals

# Language

- Keep the language simple - short sentences
- Be specific
  - avoid overuse of “this”, “that”
- Make every word count / Avoid unnecessary phrases
  - if you can delete a word, then delete it
  - avoid phrases as “as a matter of fact...”, “In order to...” and others...
- Avoid run-on sentences
- Avoid redundant sentences

# Components of a paper

## Title

- Discoverable and succinct
- ~70% of readers come directly via search engines

## Authorship

- Significant contribution to conception, design or implementation

## Abstract

- Concise summary of your work

## Introduction

- Background information
- Key findings and why they are important

## Results & discussion

- Ensure claims backed up by evidence
- Explain complex arguments
- Compare impact with recent literature

## Experimental

- Enough information for a skilled researcher to replicate work
- Characterisation – see guidelines

## Conclusions

- Key results of the work
- Highlight significance

## Acknowledgments

- Funding agencies
- Individuals who have not contributed enough for authorship

## References

- Previously published work that is referred to in the paper
- Can't reference everything

## Supplementary Information

- For spectra, additional data, experimental procedures



# Abstract

## Purpose

- Helps **readers** decide whether your article is of interest to them
- Helps **editors** analyze content of paper
- Set **objectives**
- Concise **summary** of key findings in a single paragraph
- Emphasize **significance** and potential impact of research
- Use recognizable words and phrases

I study the **abstract** carefully to see if the material falls within the scope of *PCCP* and to **evaluate the quality and importance of the content.**



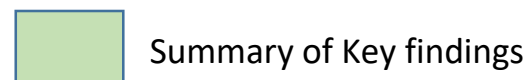
Professor Henry Fritz  
*PCCP*



Importance



Objectives, aims



Summary of Key findings

Development of Li–S batteries with long cycle life and high practical capacity is central to enable low-cost, large-scale energy storage. Sulfiphilic cathode materials with strong affinity for lithium (poly)sulfides are a promising new group of candidates to control dissolution/ precipitation reactions in the cell, where the improvement of conductivity and the areal sulfur loading is an important objective. Here we report a metallic Co<sub>9</sub>S<sub>8</sub> material with an interconnected graphene-like nano-architecture that realizes this aim. First-principles calculations coupled with spectroscopic evidence demonstrate the synergistic strong dual-interactions of polysulfides with the host. The three dimensional interconnected structure with hierarchical porosity not only manifests up to a factor of 10 increase of cycling stability (fade of 0.045% per cycle over 1500 cycles at C/2) compared to standard porous carbons but also, more importantly, enables a high-loading sulfur electrode with up to 75 wt% sulfur, and up to 4.5 mg cm<sup>2</sup> areal sulfur loading.

Nazar *et al. Mater. Horiz.*, 2016, **3**, 130-136

Recent theoretical works predict the ability of surface phonon polaritons to increase thermal conduction along nanoparticle chains, but measurement of this effect has proven elusive. Here we demonstrate a new approach to observe thermal conduction by surface phonon polaritons – packed beds of SiO<sub>2</sub> nanoparticles. When we modify the interstitial material with adsorbed water or a coating of ethylene glycol, we experimentally resolve thermal conductivities as high as 1.5 and 18 times the phonon value, respectively. Although existing models do not fully explain our results, we develop a new scaling relation that suggests thermal conduction is primarily dependent on the 3D density of states. An examination of classical heat transport mechanisms shows that these are unlikely sources for the observed thermal conductivities, suggesting that surface phonon polaritons play an observable role in SiO<sub>2</sub> nanoparticle bed heat transfer properties.

Cola *et al. Mater. Horiz.*, 2016, **3**, 434-441

Aromatic disulfide metathesis has been reported as one of the very few dynamic covalent chemistries undergone at room-temperature. Here, bis(4-aminophenyl) disulfide is effectively used as a dynamic crosslinker for the design of self-healing poly(urea–urethane) elastomers, which show quantitative healing efficiency at room-temperature, without the need for any catalyst or external intervention.

Odriozola *et al. Mater. Horiz.*, 2014, **3**, 237-240

# Reference

What to include in your reference section:

- Any article you have referred to in your paper. E.g.
  - Any previously reported experimental procedures
  - Any previous work you mention in your introduction
  - Any previous work you have compared your results against
- The most important previous work in the field
  - E.g. “First, last and most significant”

What happens next?

# Components of a submission

- **Cover letter**
- Manuscript
- Numbered figures
- List of preferred reviewers
- Electronic supplementary information
- **Graphical abstract**

Always read the journal's author & ethical guidelines

Properly suggest reviewers with **detailed contact information**...Authors are the best placed to know who are the researchers most apt to review their paper. They should be **experts of the field and at arm's length**.

Professor Jean-Franço  
Masson  
*Analyst*



# Cover letter

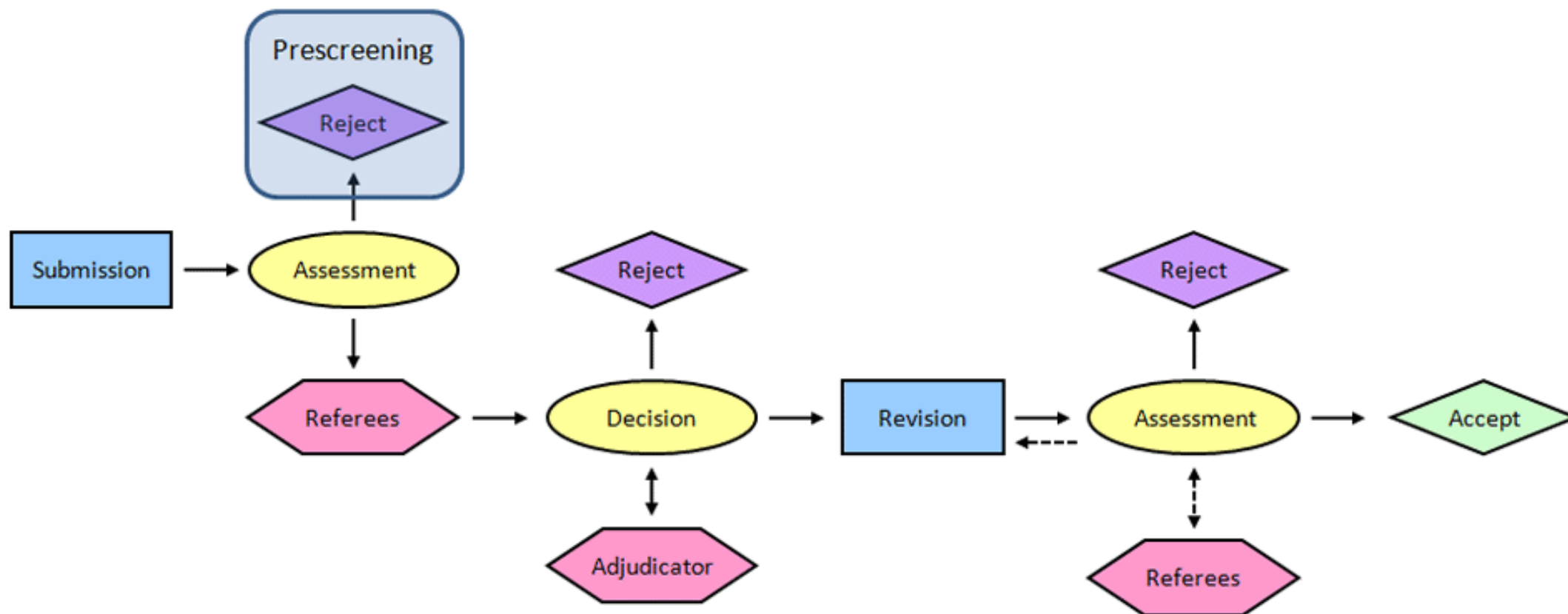
- Content
  - Summary of work
  - **Statement of importance**
  - **Impact** on community
  - Future potential
  - Article type / themed issue
- Address to the Editor / Associate Editor
- **Correct journal!**

Don't underestimate the importance of an opportunity to **explain ...why the wider world should care about something**. It doesn't (and, indeed, shouldn't) be an essay, but rather a **succinct description of the key points and why the readership of the journal might be drawn in**.

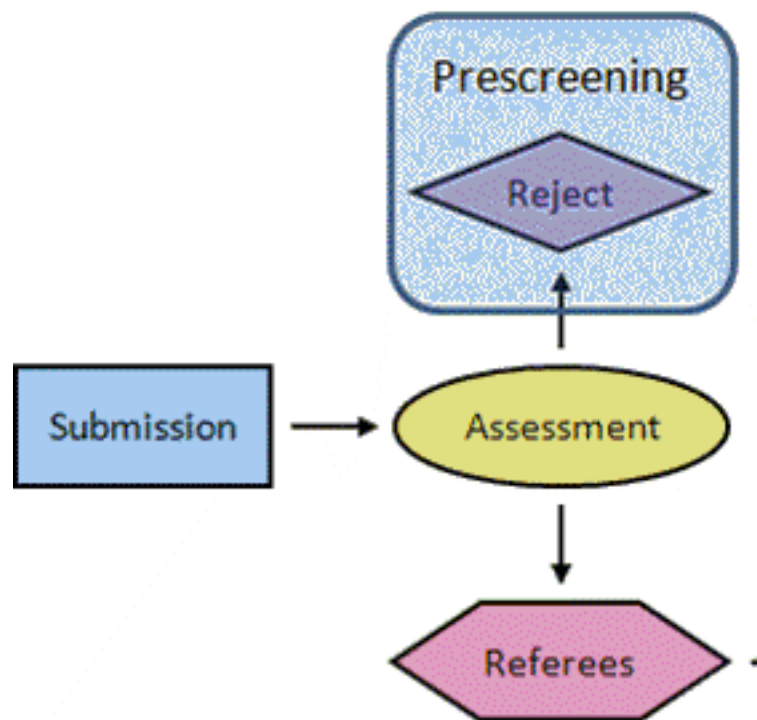
Professor Richard Layfie  
*Dalton Transaction*



# Manuscript life cycle



# Manuscript life cycle



My preliminary assessment is based on the submission's apparent **technical quality, novelty, and timeliness.**



Professor Daniel Gamelin  
Associate Editor  
*ChemComm*

Some questions I ask when I look at a paper:

What **new scientific insight** does the paper provide?

How does the work **compare to the state of the art?**





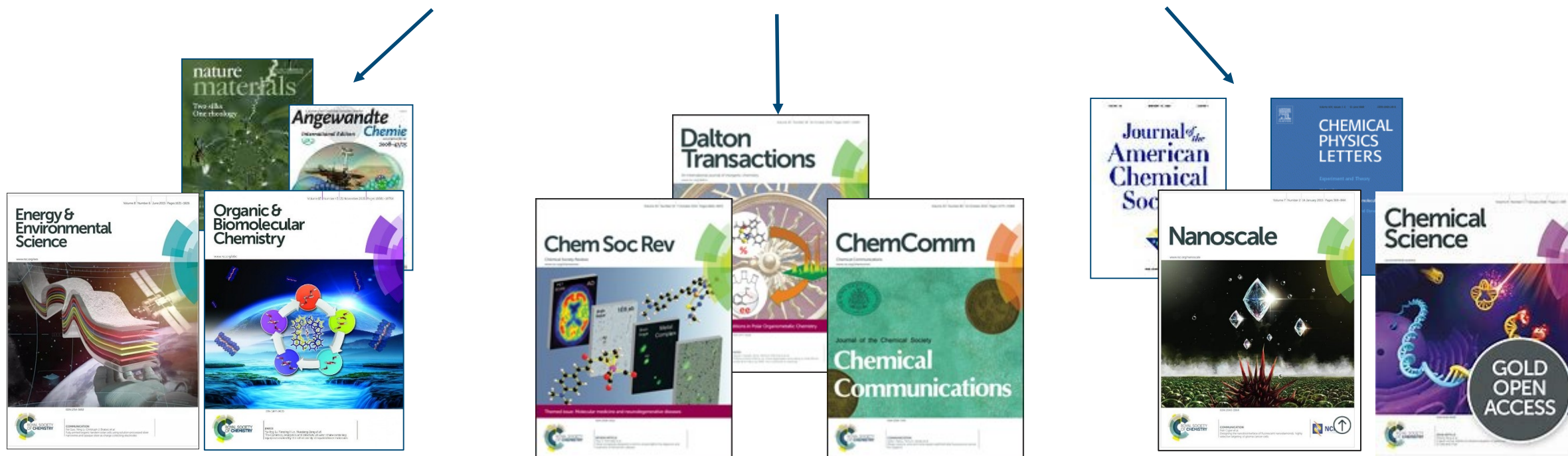
# Peer-review models

Manuscript handling and peer-review process varies between journals / publishers

Editorial Office

Hybrid

Associate Editors



# Manuscript revisions



## DO

- Stick to the deadline or ask for an extension
- Read each report carefully
- Seek clarification if anything is unclear
- Address all reviewer comments
- Be professional

## DONT

- Include personal comments about the reviewers
- Take criticism personally – reviewers can help improve the scientific quality of your paper



# Transfer Policy in RSC

Each journal in the Royal Society of Chemistry portfolio works with the others to find a suitable home for research

- Pre review
- Post review



# Promoting your work

## What we can do:

Promote articles in **virtual collections** and push out to our contacts through email, social media, conferences, etc.

Feature articles in **Chemistry World**

Send **press releases** to science websites and magazines

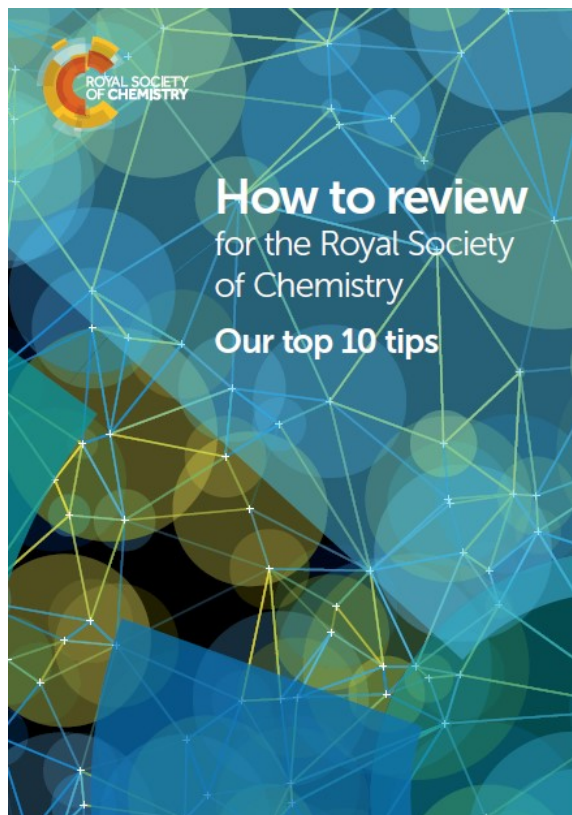
## What you can do:

Contact your **university press office** to see how they can support you

Share a link to your article online *via* **social media** and scholarly communication networks

Present your work at **conferences**

# Further guidance



[rsc.li/reviewer-resources](https://rsc.li/reviewer-resources)



[rsc.li/publish](https://rsc.li/publish)

# Upcoming events in China by RSC

## Joint NSFC-RSC Symposium on Artificial Intelligence in the Design and Synthesis of Chemicals and Materials

25 - 26 November 2019, Beijing, China 


## 10 years of EES and 70 years of DICP: A joint celebration

Energy

7 December 2019, Dalian, China 

## RSC – THU PreDoc Symposium – Innovative Chemistry for a Prosperous Future

BOOK N

9 December 2019, Beijing, China 



想抓住更多机会展示自己的科研成果么？想在更大的平台上提升综合能力、展现个人风采么？想结识更多志同道合的小伙伴么？英国皇家化学会联合清华大学共同发起第一届新星学术论坛，为年轻一代的化学新星们打造一个专业、硬核的全新舞台，聚焦“新化学、赢未来”，完全以学生为中心，展示青年学子的新成果、新想法和新风采，助力您成为“最闪亮的新星”！**2019年12月9日**，让我们欢聚在清华大学，见证您的耀眼时刻！

本研讨会**免费参加**，针对全国全日制在校博士生、硕士生及优秀本科生开放，欢迎报名！

**摘要及材料提交截止日期：11月11日**，注册截止日期：**11月17日**。

Thank you!

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