# **SPRINGER NATURE**



**Company Overview and Publishing with Springer Nature** 

Franziska Sachsse April 2019

> ADVANCING **DISCOVERY**

Protostal and a second second

#### **Springer Nature Group Background**



Publishing in CS. Trento, Italy, 09 May 2018

# In 2015 a strategic merger brought together three respected publishers



# With a vision to become the most respected and progressive publisher in our fields

# **SPRINGER NATURE**

RESEARCH	EDUCATION	<b>PROFESSIONAL</b>
Advancing Discovery	Advancing Learning	Advancing Achievement
Books Journals Databases Products and services	Language learning Schools and international curriculum Higher education	Medicine Transport Engineering Business management
Dublishing in CC Treasts, Halv. 00 May 2010		

#### A single mission



We are a leading research, educational and professional publisher, providing robust content to our communities through a range of innovative platforms, products and services.

Every day, around the globe, our imprints, books, journals and resources reach millions of people – helping researchers, students, teachers and professionals to discover, learn and achieve more.



Publishing in CS. Trento, Italy, 09 May 2018

Uniting some of the most respected brands in their fields

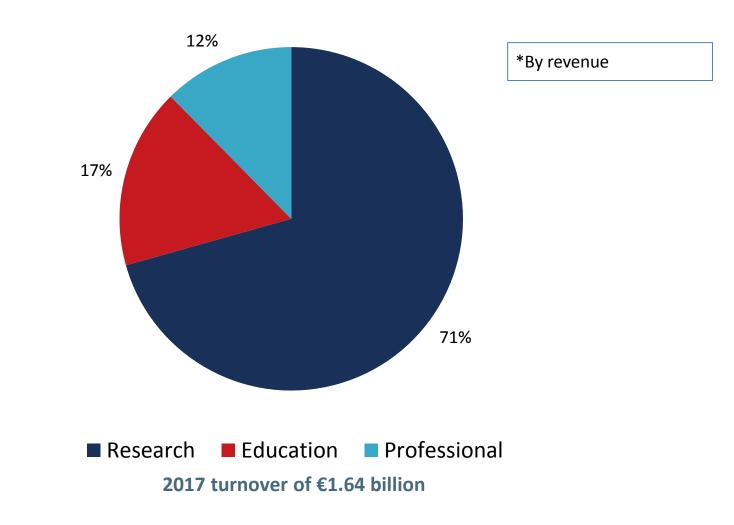




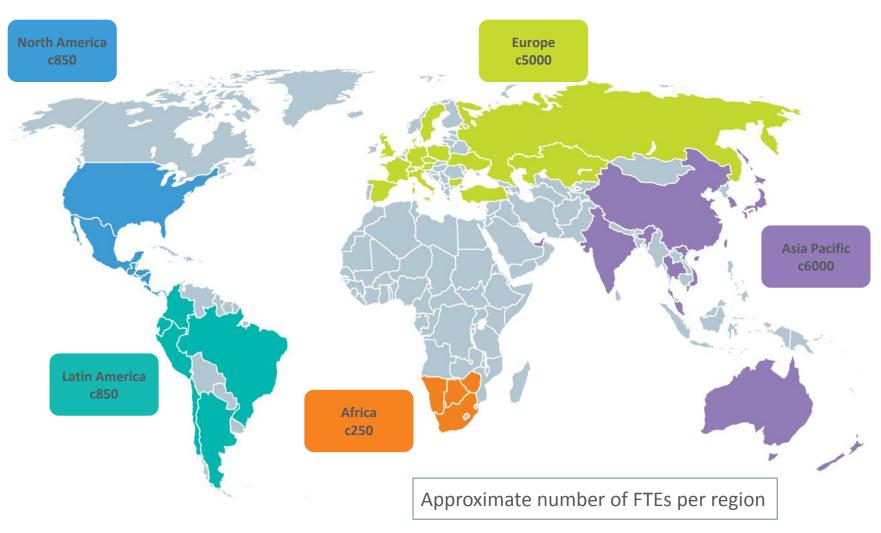
SCIENTIFIC AMERICAN palgrave macmillan

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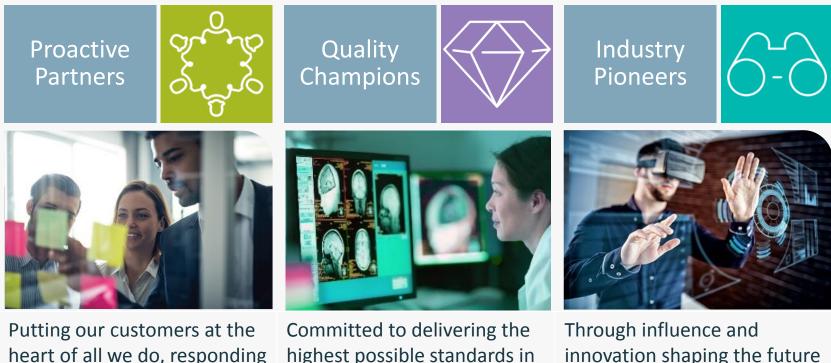
#### Focused on research, education and professional publishing



#### Based where our customers need us to be



#### **United by shared values**



heart of all we do, responding to their current needs and anticipating future opportunities. Committed to delivering the highest possible standards in content, customer experience, technology and delivery. Through influence and innovation shaping the future of publishing for our communities and for society.

#### **One Springer Nature Group Board**



**Steven Inchcoombe** Chief Publishing Officer



Daniel Ropers Chief Executive Officer



Rachel Jacobs Group General Counsel



Martin Mos Chief Operating Officer



Frank Vrancken Peeters Chief Commercial Officer



Ulrich Vest Chief Financial Officer

"This is an exciting time for Springer Nature. Never has the role of research and education been more important as we develop innovative ways to meet the evolving needs of our customers – academic researchers, students, teachers, professions and wider society, in markets across the world."

Daniel Ropers, Chief Executive Officer

## Research Business Portfolio



#### **Research business facts - 2017**









#### JOURNALS

- We published 300,000 articles in over 2,800 journals
- Worked with over 1 million authors

#### BOOKS

- We published 13,000 books
- 40 new books published every day

#### PLATFORMS

- Our platforms were visited over 1 billion times
- 2,000 visits every minute of the day

#### **OPEN ACCESS**

- 30% of all content published OA
- 90,000 articles
  published gold OA

#### **Our research portfolio**



#### **Our journals portfolio**

Springer Nature is the publisher of the world's most influential journals and a pioneer in the field of open research.

Across our wide portfolio of journals we cover the full range of research disciplines – providing a home for all sound research and a platform for some of the most important discoveries of our generation.

Nature Research journals Academic Journals on Nature.com Springer journals Adis journals Palgrave Macmillan journals **BMC** journals **Journal Archives** 

**JOURNAL OF INFORMATION TECHNOLOGY** 











14

#### **Springer Nature journals portfolio**





Offering access to the full depth and breadth of subjects: SCIENCE

https://www.youtube.com/watch?v=nNnXb\_OwOMg&t=11s

#### **Our books portfolio**

Our books are an unparalleled resource for students and researchers. The Springer Nature eBook collection delivers complete access to the largest single publisher collection of scientific, technical, medical, humanities and social sciences publications available today.

Thousands of new reference works, monographs, briefs, proceedings, textbooks, and series are published every year.

Springer, Palgrave Macmillan and Apress Print and eBooks Springer Nature eBook collections Reference Works eBook series Book Archives

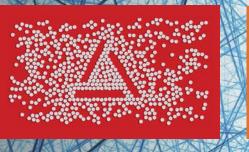


#### **Our database and solutions portfolio**

In today's digital age, libraries and researchers are constantly adapting to new and innovative ways to conduct research quickly and effectively.

Springer Nature's databases and solutions are created with these factors in mind so libraries can provide user-friendly solutions and researchers get the information they need quickly and easily.

AdisInsight Nano Springer Nature Experiments SpringerMaterials zbMATH

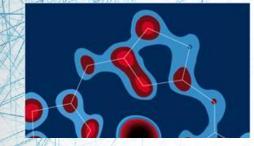






👪 Nano

a nature research solution



Publishing in CS. Trento, Italy, 09 May 2018

## Research Business Our brands



#### **Our research brands and imprints**



19

#### Springer – A journey shared

As research changes, Springer supports the community by investing in the new formats, tools and platforms that provide the most comprehensive variety of research to today's generation, and help experienced authors share their knowledge with the next.

# Robotics

**Siciliano Khatib** Editors

2nd Edition

**Kröger** Multimedia Editor

SPRINGER NATURE

pringer Water

Anil K. Anal P. Abdul Salam Michael van der Valk

Sangam Shrestha

Managing

Water Resources

Springer

under Climate

Uncertainty

Examples from Asia, Europe, Latin America, and Australia

Publishing in CS. Trento, Italy, 09 May 2018



#### **Springer – A journey shared**

## **Research Business Advancing Discovery in action**



#### **SN SharedIt**

SN SharedIt is a content sharing initiative that allows authors and subscribers to easily and legally share links to free-to-read versions of research articles anywhere, including social media platforms, repositories and personal websites.





#### Recommended

Recommended keeps scientists and researchers up to date in their field by making pan-publisher content recommendations, based on users' reading behaviour, with minimal effort from users, helping time-poor researchers locate the most relevant papers to them.

Recommended R

Sreejith, K. M .... Rajawat, A. S.

Geophysical Research Letters (2016) SPRINCER NATURE | Tell me more

Coseismic and early postseismic deformation due to the 25 April 2015,Mw7.8 Gorkha, Nepal, earthquake from InS...

1 of 6 Next >



Recommended is a personalised service that suggests relevant papers to you, based on what you've previously read, from all publishers.



Recommended

24

Publishing in CS. Trento, Italy, 09 May 2018

#### **SN SciGraph**

Our Linked Open Data platform aggregates high quality data from trusted and reliable sources, providing a rich semantic description of how information is related, as well as enabling innovative visualisations of the scholarly domain.



https://www.youtube.com/watch?v=5BEnKcNoOi0



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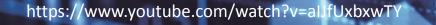
Publishing in CS. Trento, Italy, 09 May 2018

#### **SN Bookmetrix**

Bookmetrix is a unique platform offering a comprehensive overview of the reach, usage and readership of a book or chapter by providing various book-level and chapterlevel metrics all in one place. It adds value by offering detailed information for authors and readers as well as librarians.

200

256



**Book**metrix

We may expect that in the long run, print book demand in the world will decline.

But print book demand will never go away, and for the next decade, print book business will definitely be a significant part of our life.

Individual demand of knowledge will also not go away, so the question is: what comes after print books?

#### Why SN will stick to Print Books

- **1.** Book revenue contributes significantly to the success of SN.
- 2. Book market share exceeds (in many markets) journal market share.
- **3.** Books are less vulnerable to some disruptions in the publication market (OA, piracy, etc).
- 4. Book chapters on SpringerLink are on average more cited than journal articles.
- 5. Books have a higher shelf life than journals.
- 6. Books use cases which are more divers than any other publication form (some of them are unique to books (textbooks, reference books etc)

## **Selected Current BOOST Focus**

Conline Updating "Living Books" February 2018, final workshop with Springerlink product owner and UXD team. Next step Bflux integration.



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Social Reading 100 books can already be commented "in the book" by students, lecturers, authors. Experiences will be collected to decide how to scale the project.



Translations 100 German language books will be translated and published in a new Book/eBook collection.

#### lversity.org

The platform iversity.org is a strong brand for MOOCs and paid eLearning courses. Authors who want to combine a (text)book with a course can now be offered a in-house solution.

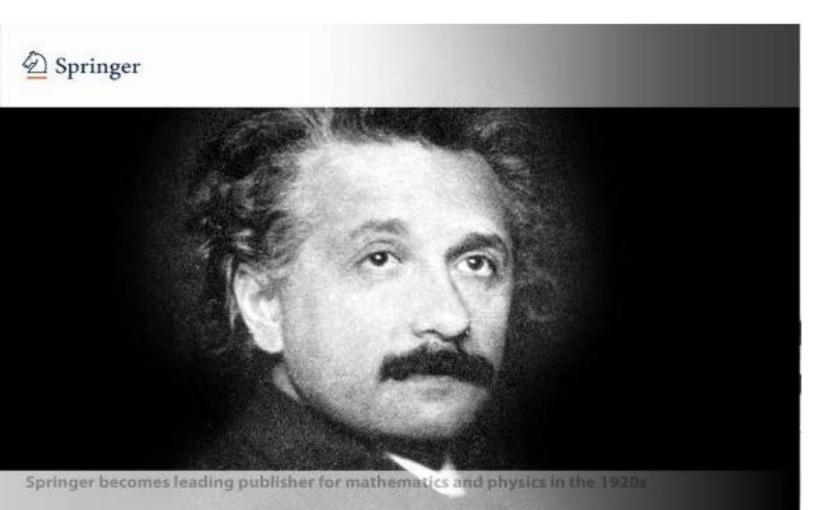


Books of the Future Our brains react differently to reading from a print book and from flat screens. Neuro research shows that we can learn better with "spatial" orientation. We research new forms of eBooks (in VR). Publishing with Springer Nature: how it works and what you need to know

Franziska Sachsse April 2019

#### Who we are, what we do

More than 175 years of publishing, you are in good company...



#### Outline

Why publish and where: conference proceedings, journals, books.

The role of publishers and different publishing options

**Research impact : rankings and indexing** 

Peer review and publication ethics: publication misconduct, retractions, duplicate publications

**Predatory publishers** 

Tools and books to improve your writing skills

#### Why publish?

- To exchange ideas globally
- Other scientists WANT to hear from you!

#### Why publish in English?

- The international language of science
- Allows you to become an effective science communicator
- To know about progress in your area



Be an effective communicator

Your goal is not only to be published, but also to be widely read in your field

Logical manuscript structure

Efficient publication strategy

Successful journal/conference submission

#### What do journal editors want?

- Good quality science!
- Topic that fits into journal's scope
- Original research
- Active research area (creates discussions and citations)
- Peer review with nice feedback
- Clear, concise writing
- Sufficient command of English language

#### 35

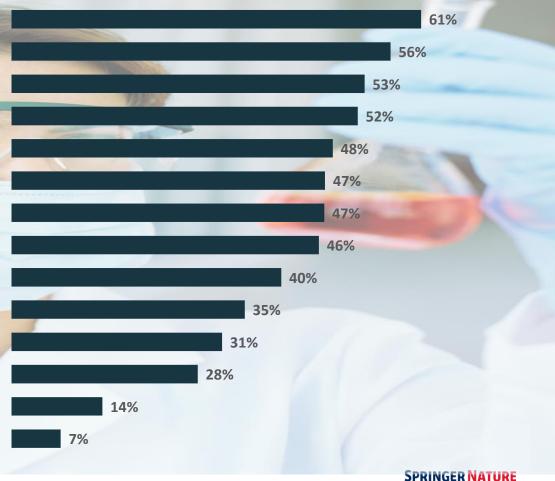
# scope



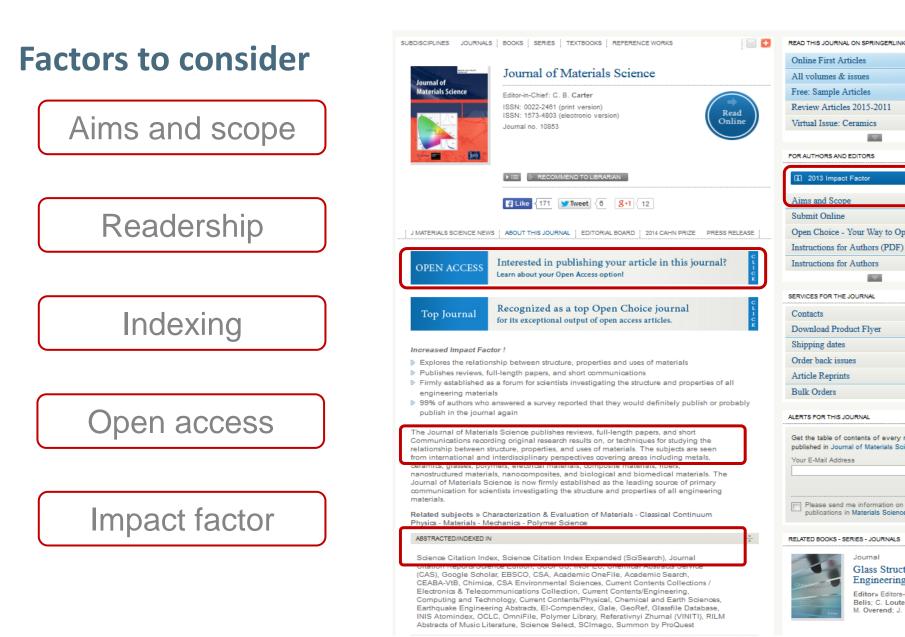
## What do authors want?

### Springer Author Survey: Importance for Manuscript Submission





Source: Springer Author satisfaction Survey; 5-point rating: 1=very important to 5=not important at all



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All volumes & issues	ψ.
Free: Sample Articles	ф.
Review Articles 2015-2011	$\oplus$
Virtual Issue: Ceramics	
197 1	
FOR AUTHORS AND EDITORS	
2013 Impact Factor 2.304	5
Aims and Scope	÷
Submit Online	nþ-
Open Choice - Your Way to Open Access	
Instructions for Authors (PDF) (pdf, 222	
Instructions for Authors	4
100	
SERVICES FOR THE JOURNAL	
Contacts	
Download Product Flyer	
Shipping dates	4
Order back issues	
Article Reprints	
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ALERTS FOR THIS JOURNAL	
Get the table of contents of every new issue published in Journal of Materials Science. Your E-Mail Address	

Get th	ie ta	ble	of con	ten	ts of	eve	ry nev	V ISSUE
publis	hed	in J	ournal	of	Mater	rials	Scien	ce.

SUBMIT

Please send me information on new Springer publications in Materials Science (general).

#### RELATED BOOKS - SERIES - JOURNALS



#### Journal Glass Structures & Engineering

Editor» Editors-in-Chief: J. Belis: C. Louter: J.H. Nielsen: M. Overend; J. Schneider

## Some tips on journal selection

- Read the journal product page and READ THE JOURNAL.
- Talk to your colleagues / peers about their experiences with journals you are considering (did they get visibility and citations?)
- Is an Impact Factor important to you? Or are you more concerned about usage/visibility?
- Don't miss the importance of social networking sites join relevant online groups and forums.
- Check publisher sites, you can often find useful information in the 'for authors' section.
- Avoid journals with no clear submission and reviewing process

# **Springer Journal Suggester**

# A free online tool to find suitable journals for your manuscript

### Manuscript title

Automatic Classification of Springer Nature Proceedings with Smart Topic Miner

#### Manuscript text

### http://journalsuggester.springer.com/

(STM), a nover solution which uses sent

publications on the basis of a very large automatically generated ontology of research areas. STM was developed to support the Springer Nature Computer Science editorial team in classifying proceedings in the LNCS family. It analyses in real time a set of publications provided by an editor and produces a structured set of topics and a number of Springer Nature Classification tags, which best characterise the given Fout. In this paper we present the architecture of the system and report on an evaluation study conducted with a team of Springer Nature editors. The results of the evaluation, which showed that STM classifies publications with a high degree of accuracy, are very encouraging and as a result we are currently discussing the required next steps to ensure large-scale deployment within the company.

### Abstract

Subject area: (optional)

Please select

### View:

All journals
 Fully Open Access journals
 Subscription journals

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Suggest journals

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# **Springer Journal Suggester**

<u>A</u> j

Journals ranked by relevance		Impact Factor			
Data-Enabled Discovery and Applications Subscription & Open Access		No Impact Factor	More details		
Sleep and Vigilance Subscription & Open Access		No Impact Fac	Recomm journ		
Journal of Biomedical Semantics Open Access		1.62	More details		
Journal on Data Semantics Subscription & Open Access		No Impact Factor	More details		
International Journal on Digital Libraries Subscription & Open Access	You may like to consider our broad scope Ope	n Access journals from	across Springer Nature		
		Imprint	1	mpact Factor	
Service Oriented Computing and Applications Subscription & Open Access	Scientific Reports Open Access	Nature Resea	arch g	5.228	More details
Research Integrity and Peer Review	Publishes scientifically valid primary research from all area natural and clinical sciences	s of the			
Open Access	Palgrave Communications	Palgrave Mac	millan	No Impact Factor	More details
Scientometrics Subscription & Open Access	Open Access Publishes high quality original research across all areas of t humanities and social sciences	he			
	BMC Research Notes	BioMed Cent	ral I	No Impact Factor	M
<u>lso general-scope</u>	Operatives				More details
<u>ournals</u>	Publishes scientifically valid research outputs from all scier clinical disciplines that describe new methodologies or are be considered as full research				

# **Springer Journal Selector**

### Journal on Data Semantics

Editor; Esteban Zimányi, Université Libre de Bruxelles

Subscription & Open Access No Impact Factor

### Submit your manuscript

Once you have chosen to submit your manuscript, you will be taken to the submissions form for this journal. You will still be able to make changes before your final submission.

### Aims and Scope

With the Web serving as a huge worldwide data repository, issues related to data semantics (familiar to database modelers since the 1970s) have again become of paramount importance. As Web data comes from heterogeneous, possibly unknown and mostly uncontrolled sources, it is anything but obvious how the information beyond the most basic factual data can be correctly understood. The same concern applies to data that is exchanged between systems that need to agree on its meaning in order to avoid dangerous misunderstandings. Semantic elicitation and the availability of appropriate semantic metadata are the key to the meaningful use of information in modern distributed environments.



# Journal's aims & scope, IF, etc

- Published recently?
- Cited in your paper?

### Your open access options



### For journals: Springer Open Choice

Your research. Your choice. Publish open access in the majority of our established subscription-based journals.

» read more

### For journals and books: SpringerOpen

Choose from our portfolio of fully open access journals and books across all disciplines.

» read more



### BMC - Research in progress

A pioneer of open access publishing, BMC has an evolving portfolio of high quality peerreviewed journals.

» read more

- **Open Choice** allows you to publish open access in more than 1850 Springer journals, making your research more visible and accessible, immediately on publication.
- When searching for your article on SpringerLink, readers will find them clearly marked as 'open access'.
- The copyright remains with you
- For a list of Open Choice eligible journals please refer to our <u>list of journals</u> on our website
- How to order Open Choice

After your article has been accepted for publication, you will receive an email with a link to the <u>MyPublication</u> process pages. There you can opt for your article to be published open access

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- SpringerOpen is our portfolio of over 200 peer-reviewed, fully open access journals and hundreds of open access books covering all areas of science, technology, medicine, the humanities and social sciences. Publishing with SpringerOpen makes your work freely available online for everyone, immediately upon publication.
- Springer's high-level peer-review, publishing and production processes apply for our SpringerOpen journals and books in precisely the same way they do for titles with the subscription-based model, guaranteeing the quality and reliability of the work.
- Our <u>SpringerOpen journals</u> are made freely and permanently available online immediately upon publication. Thanks to this unrestricted access, all articles can be read by researchers all over the world.
- By publishing with us, you retain the copyright of your work under the terms of a Creative Commons license. This means that you can deposit the final version of your work in any digital repository immediately after publication.

# **BioMed Central**

A pioneer of open access publishing, BMC has an evolving portfolio of high quality peer-reviewed journals including broad interest titles such as *BMC Biology* and *BMC Medicine*, specialist journals such as *Malaria Journal* and *Microbiome*, and the *BMC series*. At BMC, research is always in progress. We are committed to continual innovation to better support



the needs of our communities, ensuring the integrity of the research we publish, and championing the benefits of open research. BMC is part of Springer Nature.

## Books

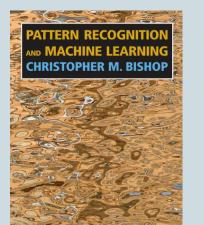
Human-Computer Interaction Series

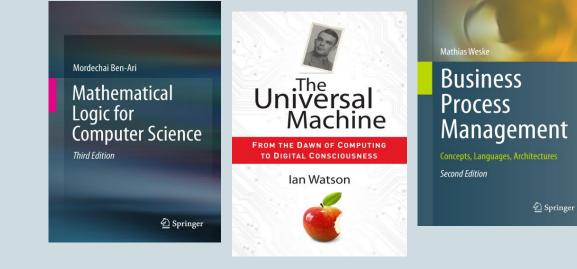
Luciana Cardoso de Castro Salgado Carla Faria Leitão Clarisse Sieckenius de Souza

A Journey Through Cultures

Metaphors for Guiding the Design of Cross-Cultural Interactive Systems

🖄 Springer







## **Books vs. Journals**

- Academic books have a different purpose from academic journals
- An academic book is a complete scholarly work on a specific topic
- Book chapters fulfill a similar role to review articles, with books representing a collection of manuscripts on related topics
- By contrast, review articles published in journals are usually unrelated to all of the other articles in the same issue
- Book includes large bibliography, recommended readings, summaries, exercises, index



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# Different types of books (i)

Monographs

**Edited Volume** 

**Textbook** 

**Professional Texts** 

MRW – Major Reference Works

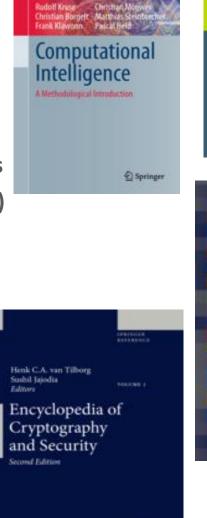
Handbooks (Springer Reference)

**SpringerBriefs** 

SpringerTheses

**Popular Science** 

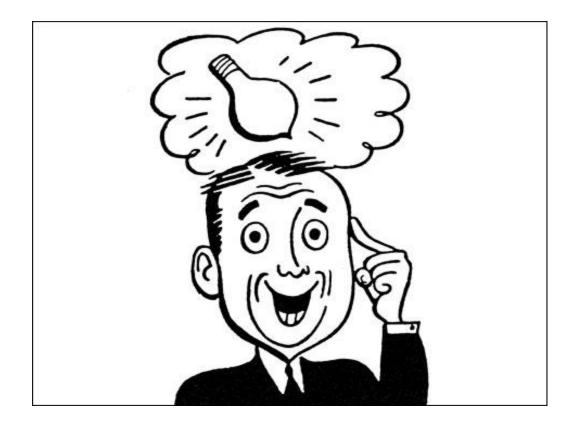
...also proceedings







I have an idea for a book... What type of book shall I write? How do I get started?



## How to prepare a book proposal

- a short (3-5 pages, no special format)
  - description of the planned book,
  - its aims & scope, main emphasis,
  - main target group (and how this group will benefit from the book),
  - prerequisites needed to understand the book,
  - its relation to other publications in the area (if there are any).
- a table of contents, including a rough page estimate and a short summary of the main chapters (like for a conference paper).
- some information about the book authors/editors
- if it's an edited book, a list of contributors, and if their contributions are already confirmed or still have to be asked for.
- some information about your intended writing schedule, i.e. by when you plan to make a manuscript version available for review and copy-editing.

# How Springer Nature helps you to publish a book

- Proposals are externally reviewed
- We provide style guides and detailed writing instructions
- We carry out all the typesetting, formatting, etc.
- Springer Nature Editors guide you through the process
- Publishing with us is free of charge
- Complimentary copies for participating authors and editors
- 40% discount on all other Springer Nature books (ALSO if you publish a journal article or a conference paper – LNCS, CCIS, IFIP-AICT, LNBIP, LNICST, etc...

Submit proposal to Publishing Editor Book proposal review Invite authors, prepare manuscript Submit manuscript Editing, typesetting and formatting Print proofs: minor changes and corrections Book published!

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51

When you submit a book (proposal)

# The role of publishers

Springer Nature Publishing process. 1st Springer Nature Summit in St. Petersburg

# Main functions of publishers

- **registration** who did it first?
- certification was it done properly? (checked by peer review)
- **dissemination** who should read this?
- **archiving** permanent public record digital preservation, etc.

# Main services provided by publishers

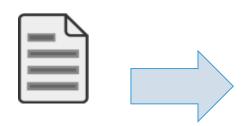
- Launching and stopping journals, book series, conferences
- Research ethics / research integrity (plagiarism, rights disputes, ...)
- Training authors, reviewers, journal editors
- Compliance with funder mandates, etc
- Typesetting, copyediting, implementing new technologies
- Infrastructure: Crossref, ORCID, Portico, ...

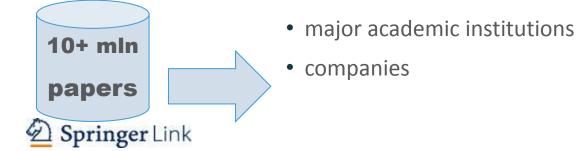
# Focusing on Value – 102 Things Journal Publishers Do (2018 Update)

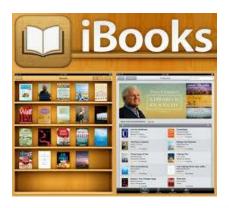
By KENT ANDERSON | FEB 6, 2018 | 14 COMMENTS

https://scholarlykitchen.sspnet.org/2018/02/06/focusing-value-102-things-journal-publishers-2018-update/

## **Dissemination**









55

# "Regular" commercial publishers

# natureresearch





**ELSEVIER** 





- Selectivity medium to high / Easier to get published
- Medium impact



- Most learned societies are non-profit organizations and many are professional associations
- Selectivity and impact varies, since the societies cover the whole spectrum (from very prestigious to dubious)

# **Read more about publishing**

- 1. <u>https://cacm.acm.org/magazines/2015/2/182651-do-it-yourself-textbook-publishing/abstract</u>
- 2. <u>https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4473415/</u>
- 3. <u>https://scholarlykitchen.sspnet.org/2018/02/06/focusing-value-102-things-journal-publishers-2018-update/</u>
- 4. Publishing technologies, etc: <u>https://www.springernature.com/gp/policies/publishing-policies</u>

Do-It-Yourself Textbook Publishing	Ann R Coll Surg Engl. 2015 Mar; 97(2): 89–91. Published online 2015 Mar. doi: <u>10.1308/003588414X14055925061397</u>
	What are Journals for?
By Armando Fox, David Patterson Communications of the ACM, Vol. 58 No. 2, Pages 40-43 10.1145/2656333	<u>SP Rallison<sup>⊠</sup></u> Author information ► Copyright and License information ► Disclaimer

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# Impact of your publications: rankings and indexing

Springer Nature Publishing process. 1st Springer Nature Summit in St. Petersburg

# **Impact Factor**

There is much debate over Impact Factors in the scientific community, particularly with regard to the fairness of the system. However, there is no doubt that an Impact Factor is seen as a benchmark of quality of the journal in many academic communities.

### How to measure quality – beyond Impact Factor

Use Google Scholar, Microsoft Academic Search and tools based on them

E.g., Publish or Perish tool (GS), Rexplore (MAS)

http://www.harzing.com/pop.htm

- Other factors
- Number of downloads
- Speed of publication
- Global distribution and long-term archiving

## **Peer review**

# **Peer review - What is it and why is it important?**

- Peer review is the process of having other experts in the field evaluate your article, your research and methodology, to determine if your paper is suitable for publication.
- Peer review is employed to maintain a high quality standard of published papers and to provide credibility.

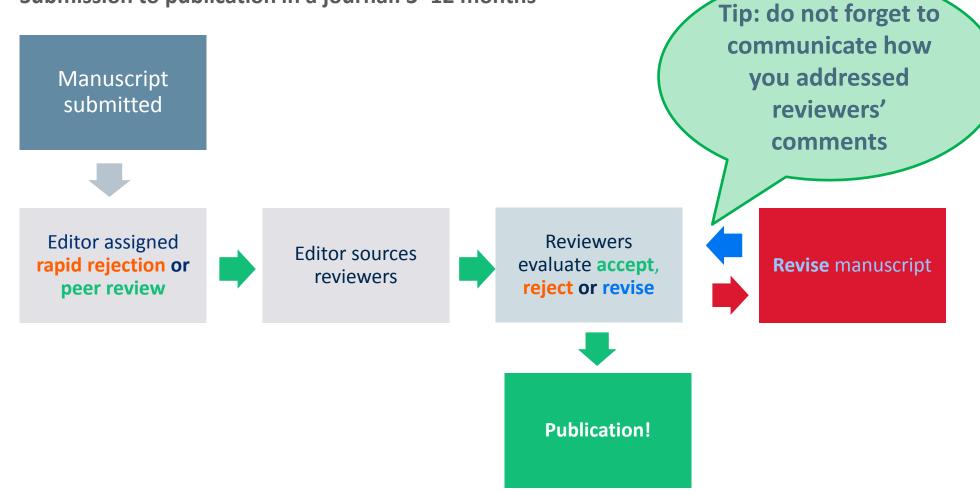


Is peer review working? Find out at <u>http://peere.org</u>

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# Peer review: journal

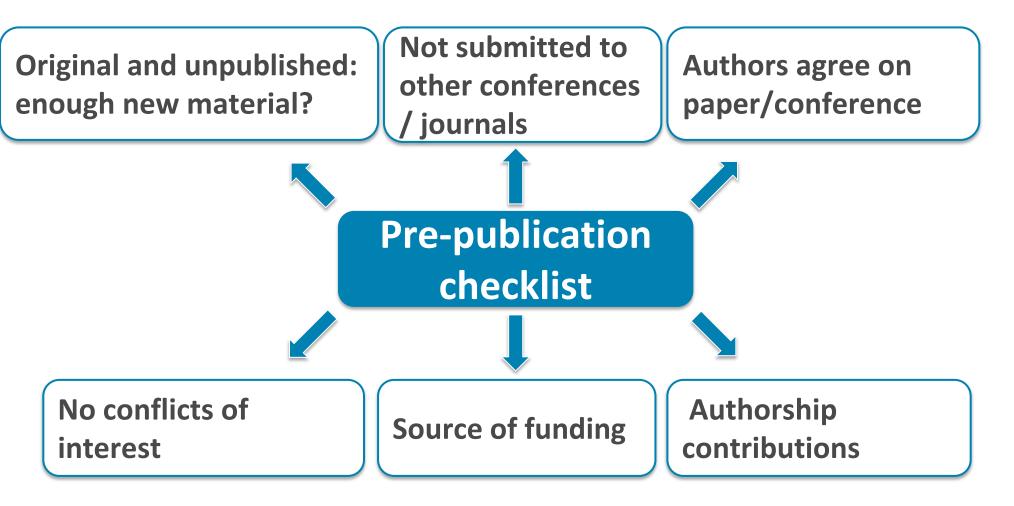
Submission to publication in a journal: 3–12 months



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# **Publication ethics**

# Publication ethics: short summary of main points



# **Misconduct in Science**

In Science integrity is the most important thing

- Easy to say
- Hard to do
- Science punishes misconduct

# **Useful links**

- The Office of Research Integrity (ORI) US Infographics: <u>https://ori.hhs.gov/infographics?platform=hootsuite</u>
- The Committee on Publication Ethics (COPE) resources: <u>http://publicationethics.org/resources</u>
- Publishing Ethics for Journals Springer guidelines: <u>https://www.springer.com/gp/authors-editors/editors/publishing-ethics-for-journals/4176</u>

# **Several levels / facets**

- Deliberate misconduct
  - fabrication, falsification, or plagiarism in proposing, performing, or reviewing research, or in reporting research results (ORI definition)
- Questionable Research Practice (QRP)
  - actions that do not strictly adhere to commonly accepted research practices, or sloppy science that erodes confidence in the integrity of the findings (thanks to Springer Nature colleagues for this definition)
- Honest error
  - honest errors or differences of opinions do not constitute misconduct

# How to identify a trustworthy journal

Reputable publisher	Springer, Elsevier, Wiley, PLoS, etc.	
Editorial board	International and familiar	
Indexed	Indexed by common databases	
Authors	Do you recognize the authors?	
Fees	Only paid <u>after</u> acceptance	

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# **Innovations in scientific publishing**

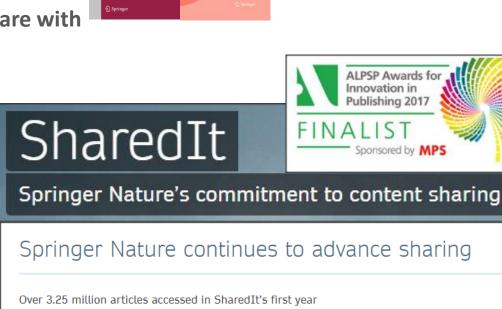
# Sharing your papers beyond Green/Gold Open Access: SharedIt

Springer Nature wants researchers to share content easily and legally. Our Springer Nature SharedIt content-sharing initiative means that links to view-only, full-text subscription research articles can be posted anywhere - including on social media platforms, author websites and in institutional repositories - so researchers can share research with colleagues and general audiences.

https://www.springernature.com/sharedit

- SharedIt was enabled in two proceedings series in 2017
- ~650 proceedings with ~20,000 papers
- SpringerLink subscribers can create links and share with their colleagues, tweet, etc.

New cooperation with Research Gate: 15 m researchers can access select Springer Nature articles

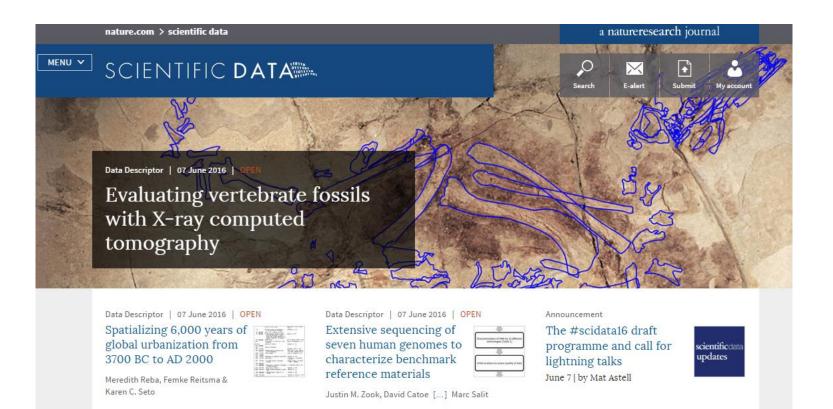




"One reason that the worldwide web worked was because people reused each other's content in ways never imagined or achieved by those who created it. The same will be true of open data."

– Tim Berners-Lee and Nigel Shadbolt, The Times, New Year's Eve 2011

## Journals dedicated to publishing data: Scientific Data



### How to publish data

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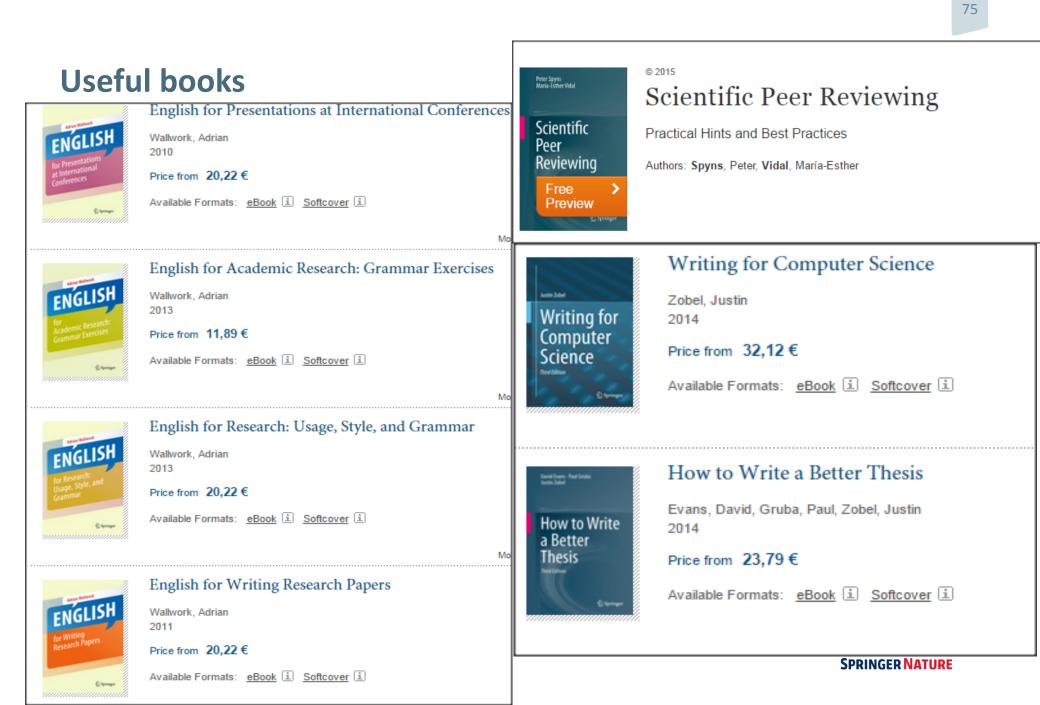
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Von den vielen Welten, die der Mensch nicht von Natur geschenkt bekam, sondern sich aus eigenem Geiste erschaffen hat, ist die Welt der Bücher die größte." Hermann Hesse (1877-1962)

Of the many worlds which man was not given by nature, but created in his own spirit, the world of books is the greatest." Hermann Hesse (1877-1962) Thank you for your attention!

### Franziska.Sachsse@springer.com