Careers at the RSC

Joanne Thomson 15th May 2012

About me

Joanne Thomson
Deputy Editor, Chemical Science,
ChemComm and
Chem Soc Rev

Work with Editor and Editorial Board to ensure journals contain best new science

Ensure journals have rigorous, fair, efficient procedures

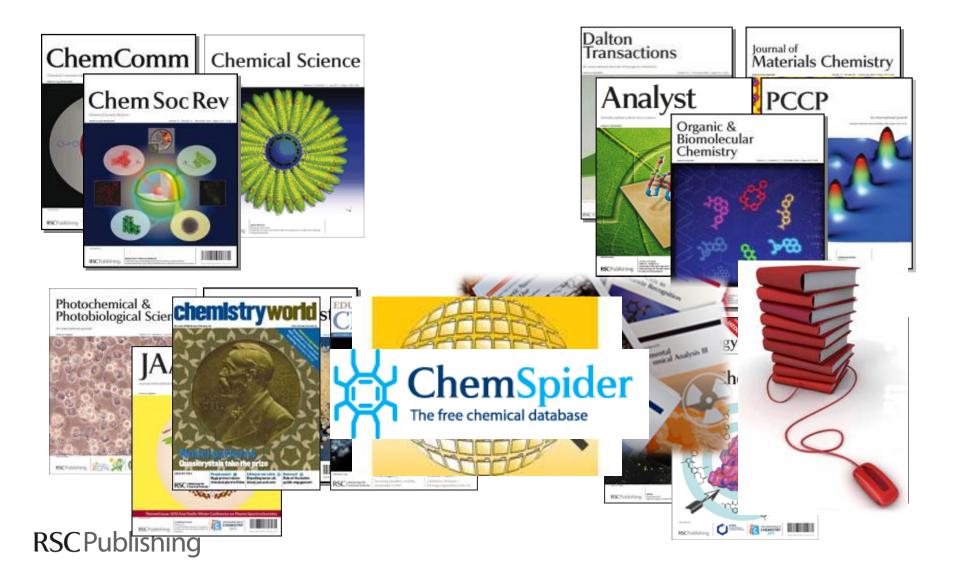
Meet scientists to keep aware of field and attract top research



RSC: A Learned Society

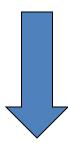


What is RSC Publishing?



RSC Publishing Growth

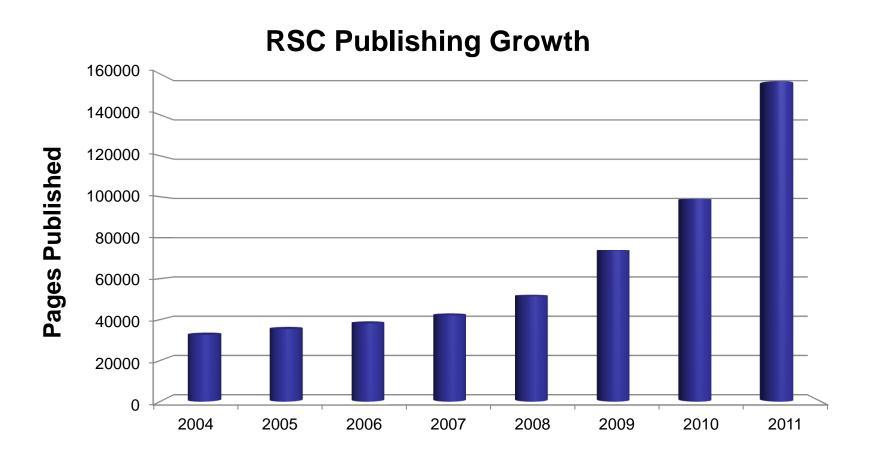
• 2006: RSC published ~38,000 journal pages = ca. 5000 journal articles



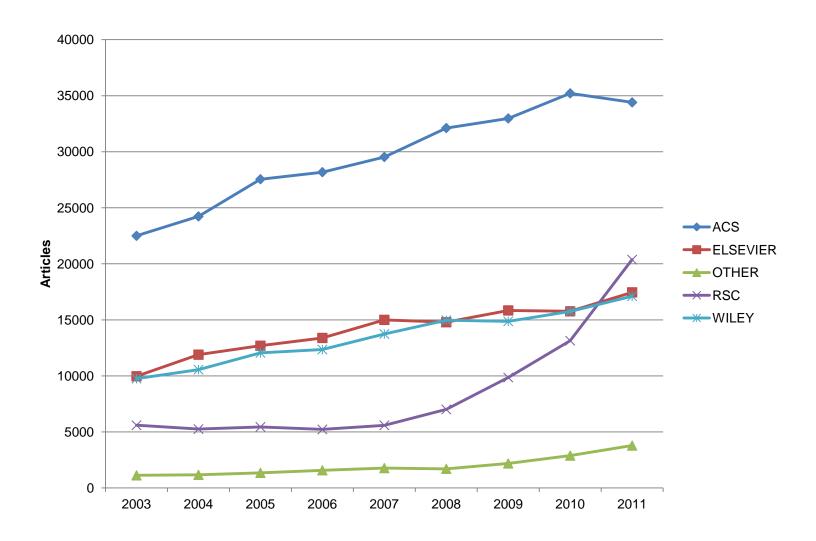
2011: RSC published >156,000 journal pages =
 >20,000 journal articles

4x!

RSC Publishing Growth



Growth in Chemistry Papers



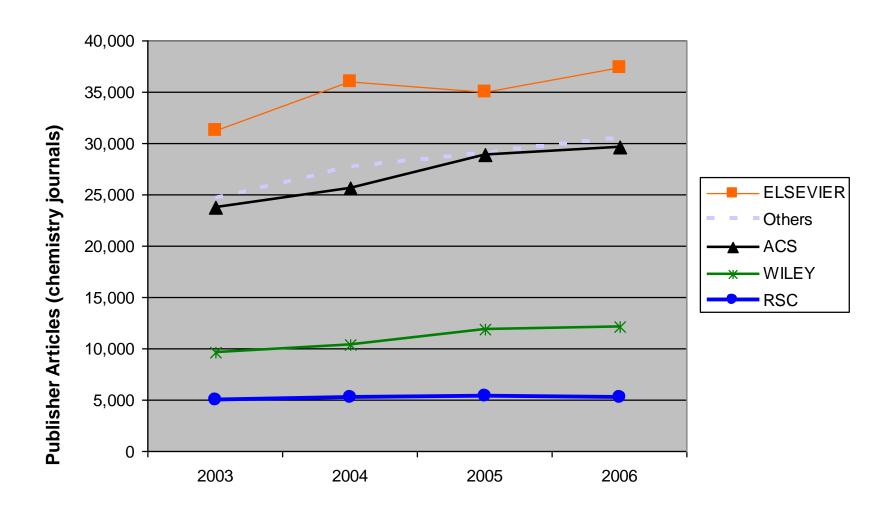
The trigger

Evaluation – 2007

- Great high impact journals
- Good selection of books and other products
- Perceived as UK centric
- Quality high, but market share small (and declining)



Declining market



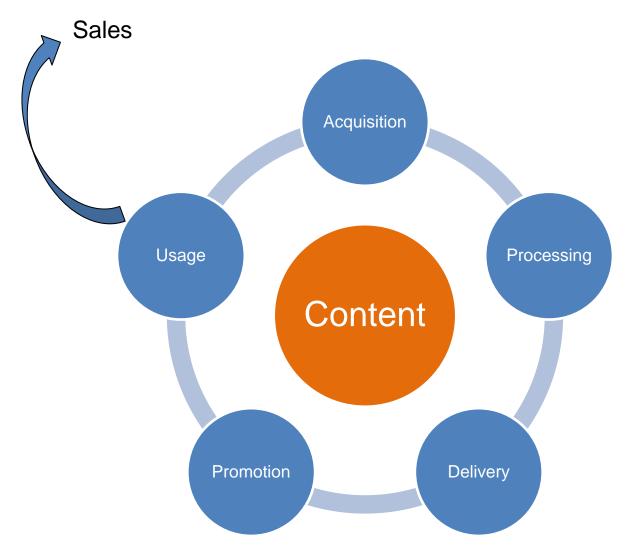
Strategic Actions

- Growth
 - Market share <u>and also</u> Impact
 - Selective / strategic new journal launches
- International reach and profile
- Author (customer) focus
- Innovation
- Similar plans for books, magazines, etc.

RSC's vision (2010-2014)

'To be the foremost in the world at promoting and developing the chemical sciences for the benefit of society'

Growth – the Challenges



Content Acquisition

Existing authors

- Relationships, networking
- Citation / usage analysis

Competitors' authors

- Market intelligence
- Themed issues

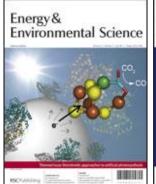


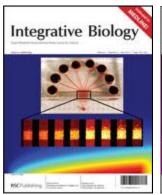
Journal Development

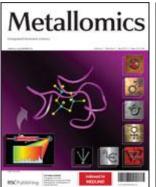
New journals

 Journal development work very closely with Business Development

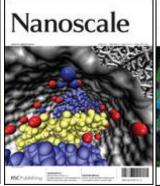
New journals

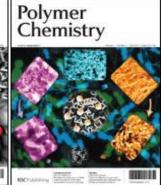


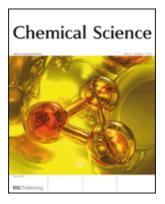




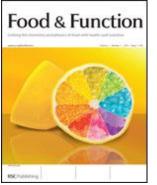




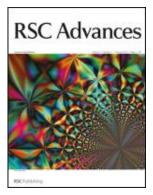


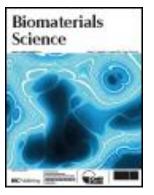














RSC Publishing

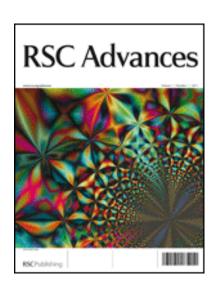
Business Development



Andrew Nightingale
Business Development Manager
Business Development and Business
Intelligence teams

- New journal development market research, business case and launch management
- Partnership arrangements for new journals
- Key Centre Programme for new journals providing sales leads
- Market reporting and analysis customers, competitors, and markets
- Business Intelligence Unit established Nov 2011

RSC Advances



 Innovative, Online and Inclusive, RSC Advances is an international journal covering all of the chemical sciences, including interdisciplinary fields. The criteria for publication will be that the experimental work must be high quality, wellconducted and adds to the development of the field.

RSC Advances



Kathleen TooDeputy Editor, RSC Advances

- Attracting new authors some authors are currently not able to publish in RSC journals so RSC Advances will give them the opportunity to publish with a respected society publisher.
- Publishing papers in new subject areas there are subject areas of speciality and interdisciplinary research across the chemical sciences that are not covered by the existing RSC portfolio of journals.
- Entering new markets Launching RSC Advances will enable RSC Publishing to enter into new markets for additional content, supporting the aims of the RSC international strategy.

Processing

New systems

- ScholarOne
- Web-based
- Wide popularity

Automation

- File transfer
- Archiving

Outsourcing

- Associate Editors
- Production services

New suppliers

Speed, reliability, quality



Joanna Pugh
Systems Specialist
Editorial Production Team

- Support, maintain and enhance our workflow system
- Looking for efficiencies
- Identifying requirements
- Using technology

Delivery

- Online publishing has revolutionised this!
- Content 24/7 with mobile devices
- There are lots of possibilities......
-generally chemists want the pdf of the article (85% of our downloads are for the pdf version)

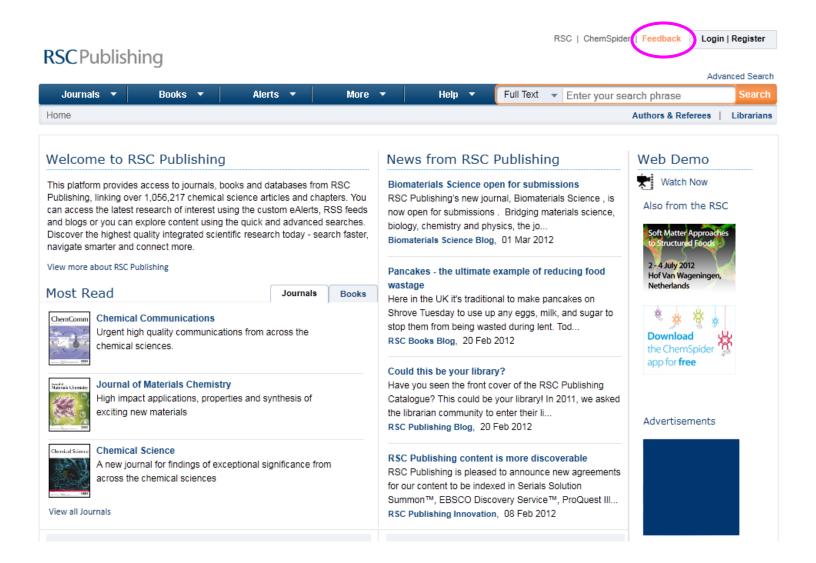


Jack Rumble
e-Publishing Specialist
Innovation and Product Development team

Our content has to be searchable, discoverable and accessible to people on the move

RSCPublishing

Increasing Discoverability



Mobile/Tablet



RSC Semantic Publishing



- Formally known as 'Project Prospect'
- Machine-readable content through semantic enrichment
- RSC editors annotated compounds, concepts and data and linked them to electronic resources (e.g. biological databases)
- Pioneering 1st publisher to do this for chemistry
- Award winning 2007 ALPSP/Charlesworth Award for Publishing Innovation

Chem. Commun., 2009, 1879-1881 | DOI: 10.1039/b823340c | Communication

The first total synthesis of moracin O and mora establishment of the absolute configuration of m

Navneet Kaur[‡] a, Yan Xia[‡] a, Yinglan Jin a, Nguyen Tien Dat a, Kondaji G Young-Soo Hong a, Jung Joon Lee a and Kyeong Lee *a

^aMolecular Cancer Research Center, Korea Research Institute of Bioscience Eoeun-dong, Yuseong-gu, Daejeon 305-806, Korea. E-mail: kaylee@kribb. +82 42 860 4382

^bSchool of Life sciences and Biotechnology, Korea University, Anam-dong,

Received (in College Park, MD, USA) 5th January 2009, Accepted 10th

First published on the web 4th March 2009

The first total synthesis of the naturally occurring benzofurans, moracins O and P cross coupling reaction followed by in situ cyclization, and the absolute configura established.

Mori Cortex Radicis, the root bark of some Morus species, has been used in or diuretic, an expectorant and a laxative agent. Various prenylated flavonoids, ben Articles referencing this compound compounds with biological activities, including cytotoxicity, COX-1 and 2 inhib The first total synthesis of moracin O and moracin P, and establishment of the absolute configuration isolated from these species.

In search of small molecule inhibitors against hypoxia-inducible factor (HIF)adaptation process of cancer cells to tumor hypoxia, a bioassay-guided fractional element (HRE) reporter assay on natural products has been conducted. Some me inhibitory effects in cell-based HRE assays in human hepatocarcinoma Hep3B ce exhibited the strongest inhibitory activity (IC₅₀ = 0.14 nM), while (-)-moracin P

Moracin O

Synonyms

- moracin O
- Moracin O
- Show more >>

Chemical Information

- SMILES: [H]OC1=CC(O[H])=CC(=C1)C=30C4=CC=20C()
- Show more >>

moracin O

Navneet Kaur, Yan Xia, Yinglan Jin, Nguyen Tien Dat, Kondaji Gajulapati, Yongseok Choi, Young-Soo Hol Jung Joon Lee and Kyeong Lee, Chem. Commun., 2009, 1879 DOI: 10.1039/b823340c

Downloadable Files

Chemical Markup Language Representation Download CML file for this compound

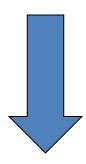
CML

RSCPublishing

RSC Semantic Publishing



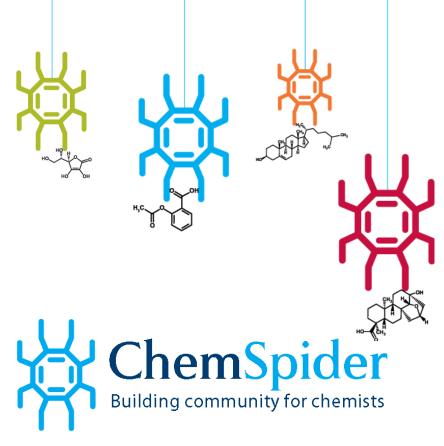
BUT IT WAS LABOUR-INTENSIVE & TIME-CONSUMING!



- Now integrated and automated within our routine publication processes
- Integrated with ChemSpider

RSC & ChemSpider – May 2009





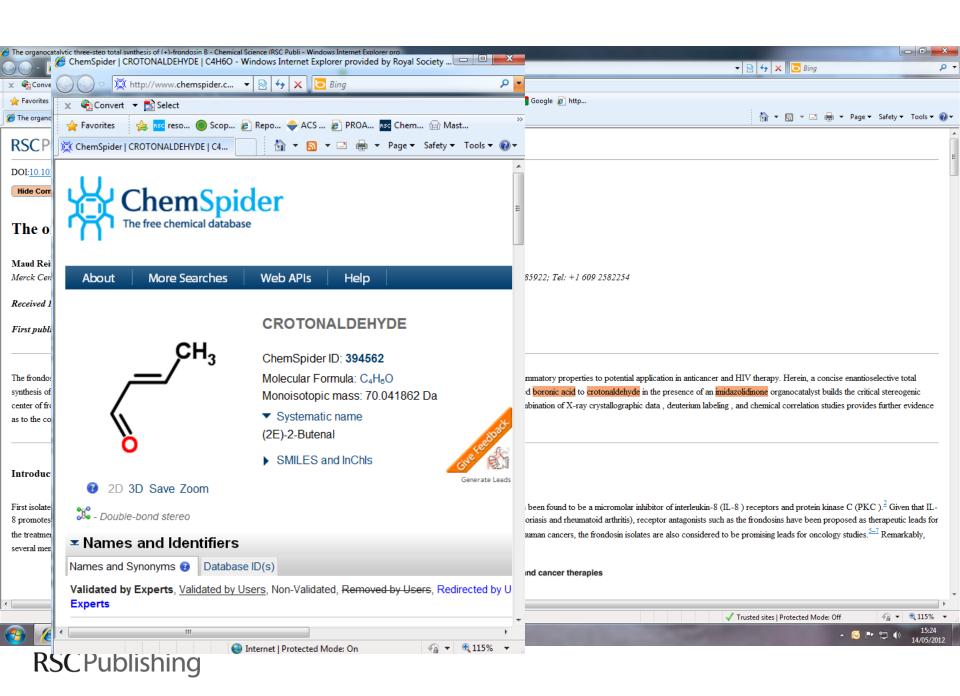
www.chemspider.com



ChemSpider is a free website for chemists:

- Over 26 million compounds, >400 data sources
- Integrates chemical structure data
- Creates a "structure-based hub" to information and data
- Provides access to structure-based "prediction algorithms"
- Chemists can contribute their own data
- The community can curate/correct data
- Multi Award winning
- Fully supported and made available by RSC





Why RSC acquired ChemSpider

- Commitment to serve the community
- Bring cheminformatics expertise in-house
- Add additional data to publications



And as a result:

- Credibility with researchers at the cutting edge of chemical information
- Participation in UK/US and EU research projects
- Opportunities and influence



Increasing searchability



- Interdisciplinary, lots of new authors
 - Lots of new papers!
- Need a sensible way of navigating the extra content

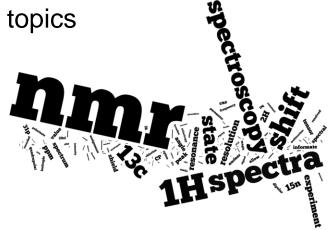


Colin Batchelor
Senior Informatics Analyst
Cheminformatics team

Aim: classify by topic

- 12 broad topics that are intuitive to users
- Used statistical model* to analyse >20000 titles and abstracts
- Extracted 128 topics
- Wordle images classified by editorial staff
 - 8 topics rejected for being too general or nonsense
 - Remaining 120 classified under 12 broad topics

Analytical



^{*} Thomas L. Griffiths and Mark Steyvers, "Finding scientific topics", *Proc. Natl. Acad. Sci. USA*, 2004, **101**, 5228–5235

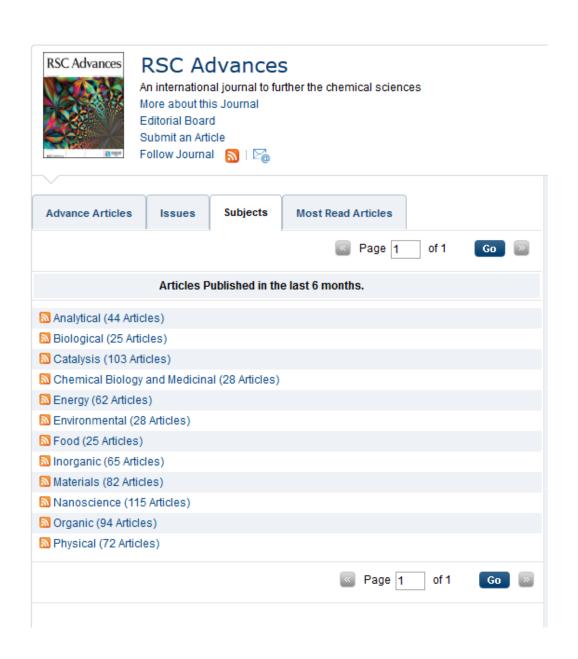
The result

From our authors:

"Very useful!"

"Superb!"

"... will make it easier for readers to identify papers which might be interesting to them."



Growth – a summary

Acquisition

- In-depth analysis by both Journals and Business Development
- Existing and new customers
- New journals

Processing

Streamlining, improving, innovating, automating, outsourcing

Delivery

- RSC Publishing Platform
- RSC Mobile
- Semantic Publishing
- ChemSpider
- RSC Advancing topic slicing

What about our people makes us succeed?



To be the foregost in the world at promoting and developing the chemical sciences for the benefit









What next?

- We have a lot of information in a lot of formats in a lot of places
- We need to utilise and unlock its potential

"BIG DATA"



Will Russell
Manager,
Innovation &
Product
Development



Any questions?

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