



RSC Publishing

Niamh O'Connor
Journal Publisher

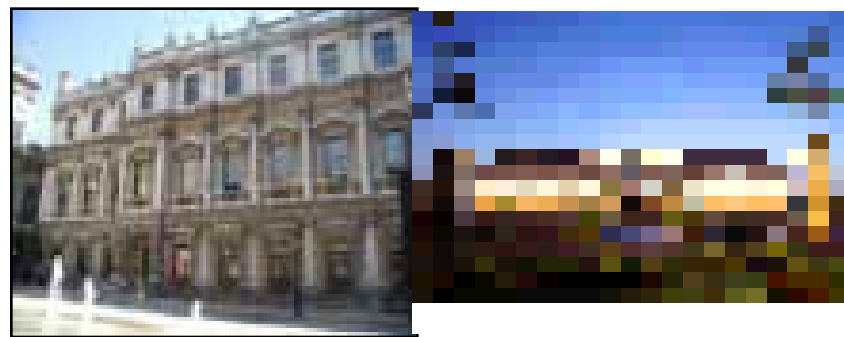
pubs.rsc.org

Outline of presentation

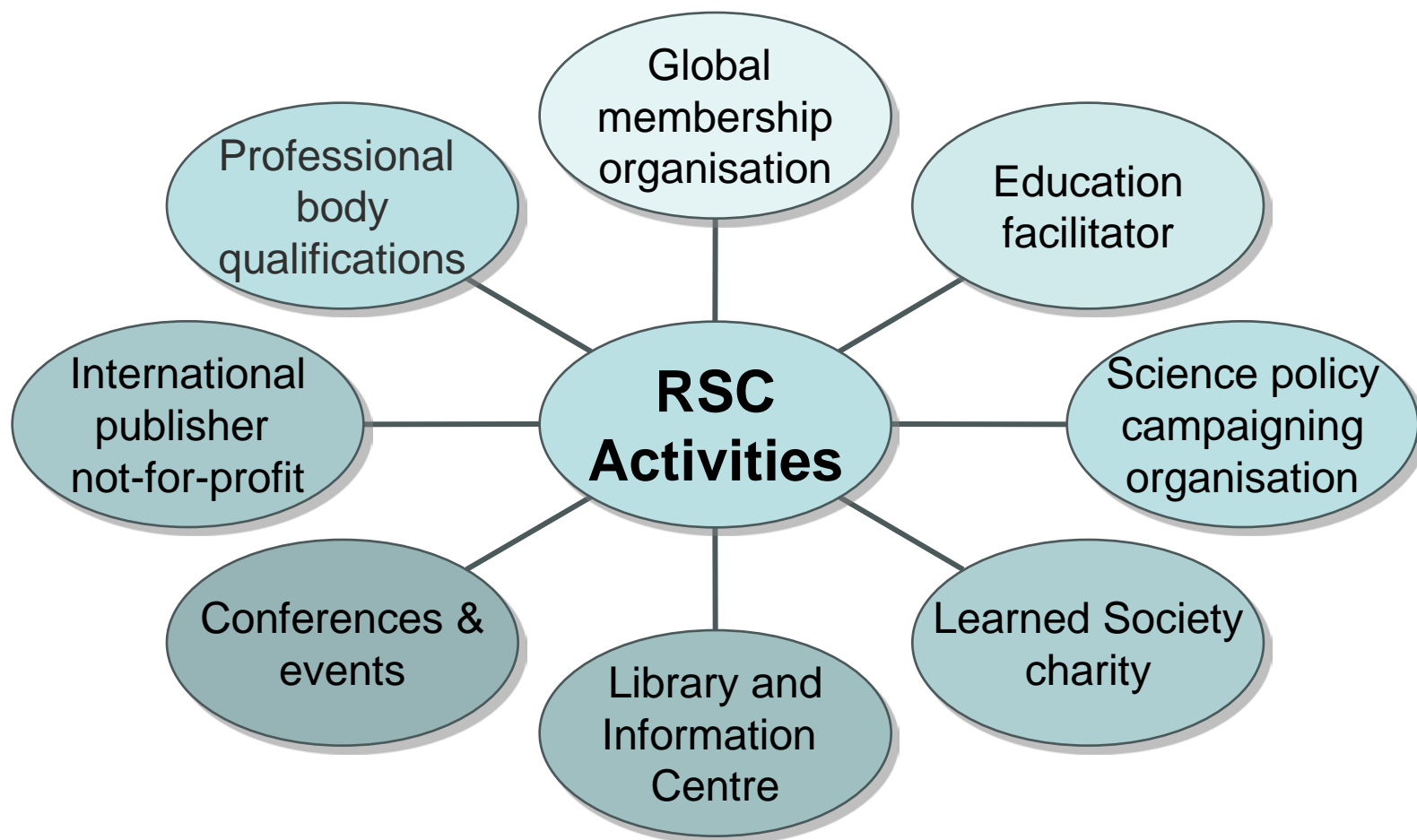
- The Royal Society of Chemistry
- What RSC Publishing offers authors
- What RSC Publishing offers readers
- ChemSpider
- How to get your work published
- Peer review
- Questions

Royal Society of Chemistry (RSC)

- One of the largest organisations for advancing the chemical sciences
- Professional body with a worldwide network of 46,000 members
- Internationally acclaimed publishing business



What does the RSC do?





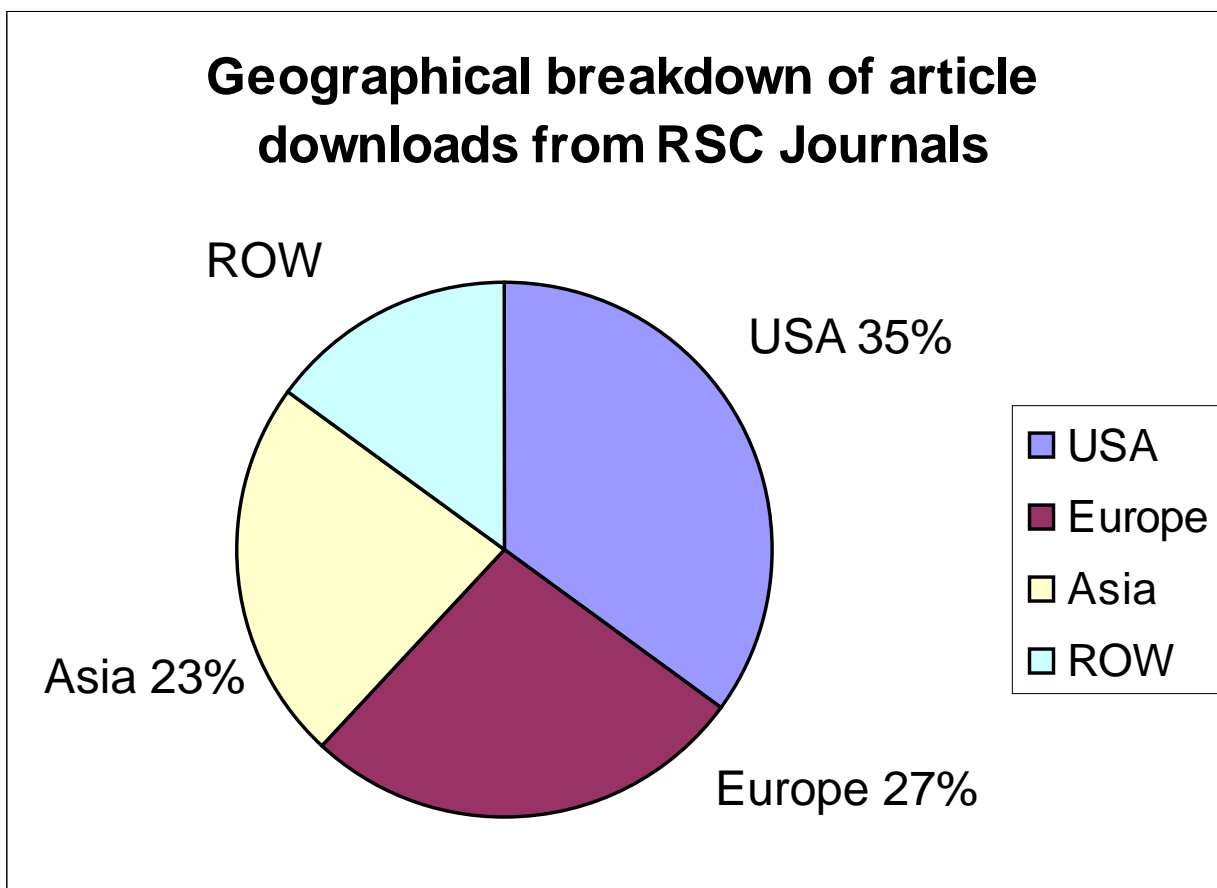
What is RSC Publishing?

- RSC publishing activity dates back to 1841 - we publish a wide range of journals, magazines, databases and books
- 30 Journals
 - About 35,000 submissions
 - About 10,000 articles published/year
 - Online journal archive
 - > 220,000 articles back to 1841
- >50 Books/year, ca. 350 titles in print
 - 800 ebooks available
- Databases, such as Analytical Abstracts
- Chemistry World/magazines

Publishing with RSC offers authors

- Globally visible journals
- Travel grants
- Author benefits:
 - High journal impact factors
 - Promotion of top papers
 - 25% discount on books
 - Great quality of service
 - Fast times to publication
 - Article abstracting in ChemAbs and other databases

Global visibility



Article promotion...

The image is a collage of several screenshots from the RSC Publishing website, illustrating article promotion. The main background is a screenshot of the 'Journal of Materials Chemistry' homepage, featuring a 'Hot For articles' section and a 'chemistryworld' banner with a yellow 'NEW! CHEMISTRY WORLD' tag. Other visible screenshots include the 'ChemComm' homepage with a 'Hot Article: The biggest ever...' and the 'Chemical Biology' homepage. A smaller screenshot in the bottom left shows a 'CHEMICAL' search results page for 'MOLECULAR SCREENING'. A vertical 'MINI' sidebar is visible on the right side of the collage. The RSC Publishing logo is present in the bottom left corner of the overall image.

RSC travel grants

- RSC travel grants enable:
 - Journal authors to travel to engage in collaborative research
- To qualify:
 - 3 RSC publications in the last 5 years, preferably as the senior author
- Grants up to £2500 available (visit www.rsc.org for more information)

RSC
Travel Grants
could be the
answer!

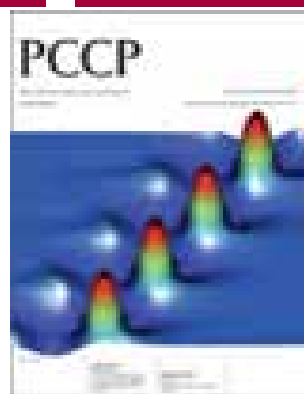
RSC offers readers?

- Access to information that informs your research
- Stamp of quality
 - Rigorous peer review
 - Experts in the field
 - Clarity of meaning/understanding
- Maximise use of this information
 - ChemSpider

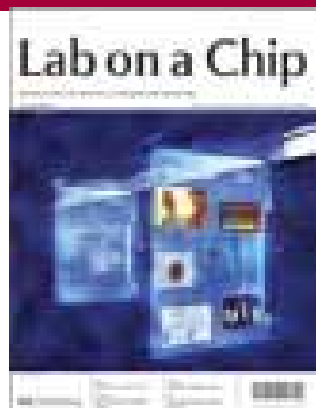
International publisher

- International readership
 - 4000 customers in over 150+ countries
 - Biggest markets, USA, Japan, Europe
 - Asian market is the fastest growing
- International authorship
 - USA biggest contributor
 - China second
 - UK third
- International referee database

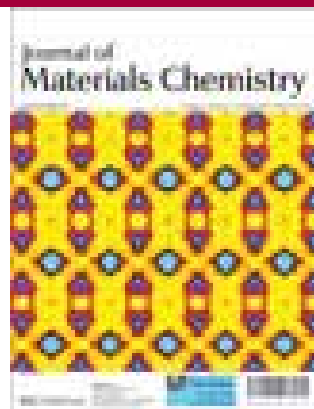
Impact factors



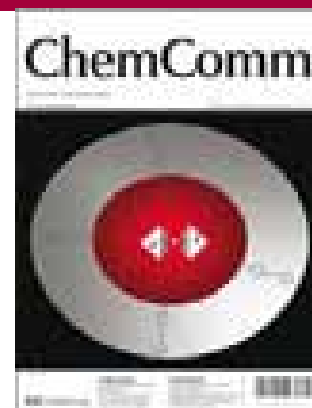
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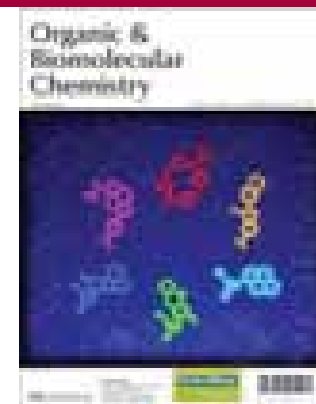
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4.80



5.50

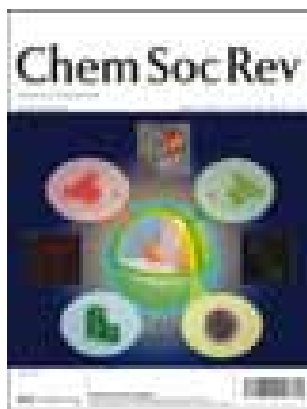


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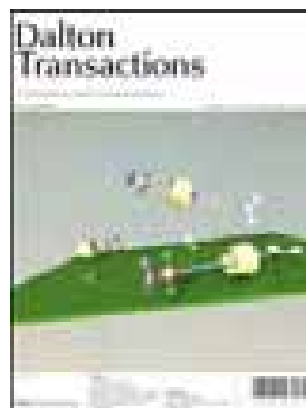
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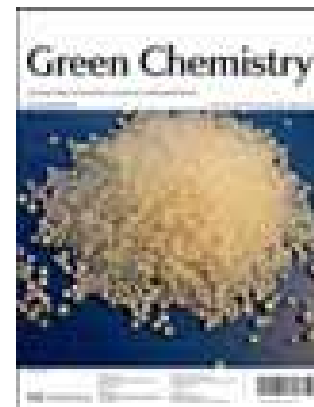
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4.08



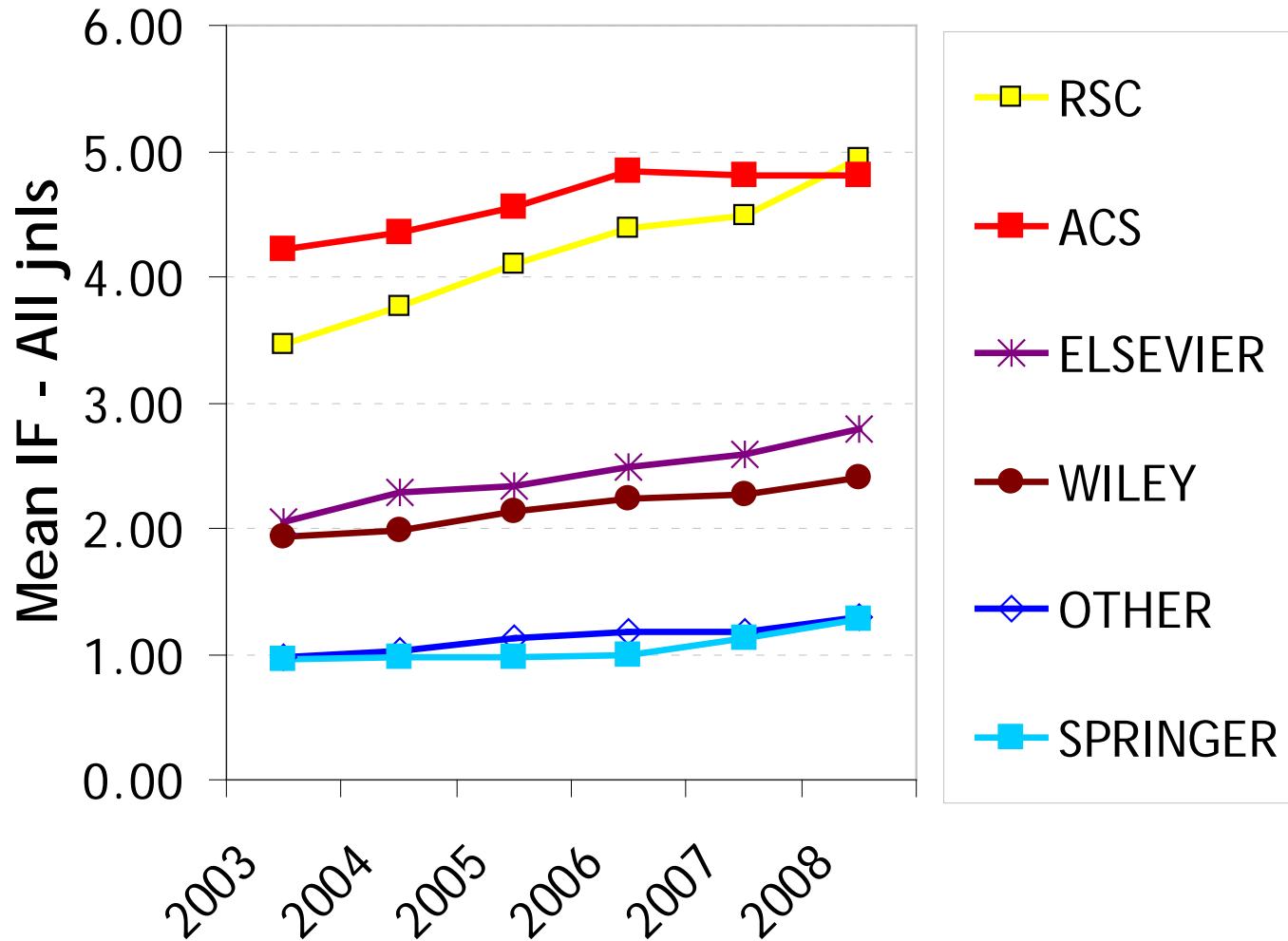
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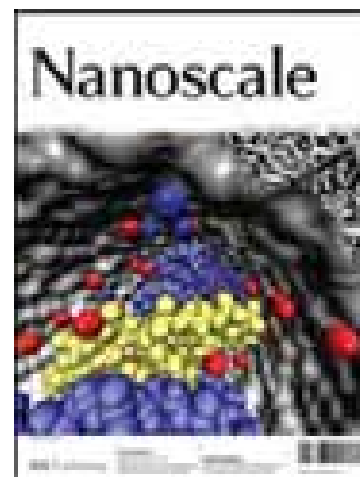
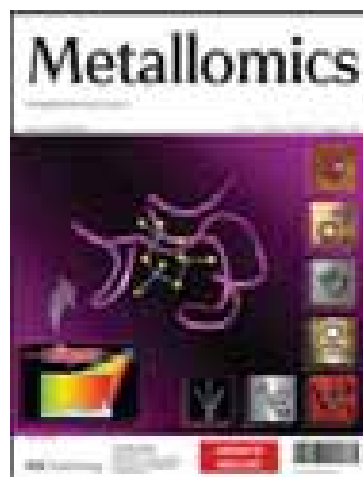
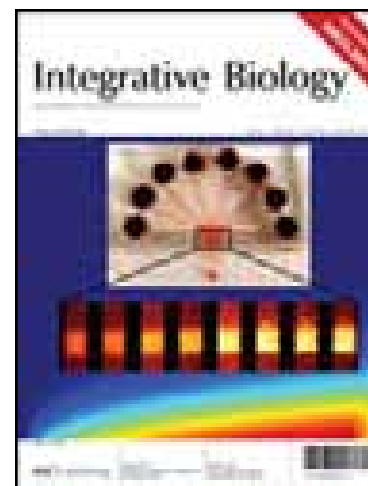
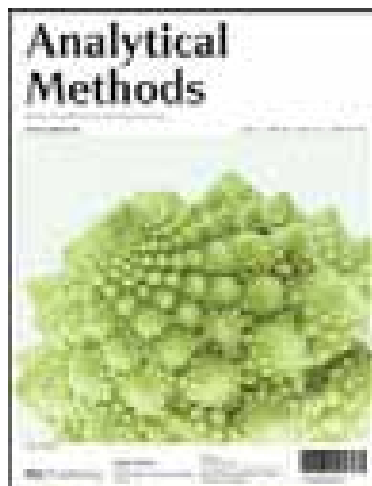
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RSC Publishing

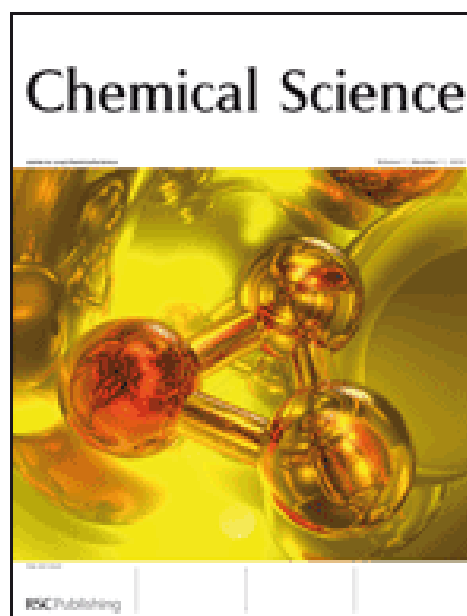
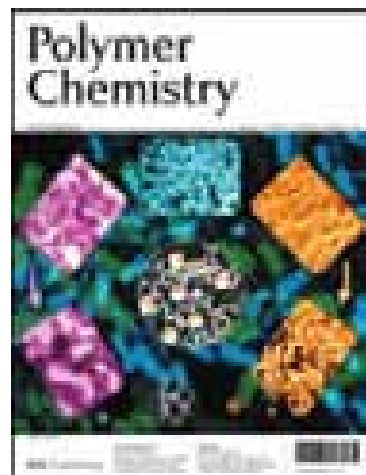
Impact Factor Growth



Recent launches 2008/2009



New launches 2010

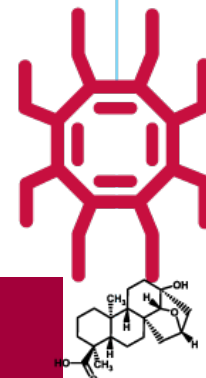
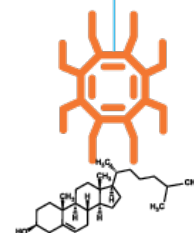


Free for two years!

http://www.rsc.org/Publishing/Journals/free_access_registration.asp

ChemSpider: Building A Community Platform to Support Chemistry

RSC Publishing



ChemSpider – a community to serve chemists

ChemSpider is a free website for chemists:

- Integrates chemical structure data on the web
- Create a “structure-based hub” to information and data on the internet
- Provides access to structure-based “prediction algorithms”
- Chemists can contribute their own data
- The community can curate/correct data
- Almost 25 million compounds, >300 data sources

ChemSpider answers questions

- **Questions a chemist might ask...**
 - What is the melting point of n-heptanol?
 - What is the chemical structure of Xanax?
 - Chemically, what is phenolphthalein?
 - What are the stereocenters of cholesterol?
 - Where can I find publications about xylene?
 - What are the different trade names for Ketoconazole?
 - What is the NMR spectrum of Aspirin?
 - What are the safety handling issues for Thymol Blue?

**All of these questions can be answered on
ChemSpider**

ChemSpider searches

- www.chemspider.com
- Text, structure and substructure based searching
- A simple Google-like interface for text searching



Systematic Name, Synonym, Trade Name,
Registry Number, SMILES or InChI 

 OPTIONS

Search

Search for “oleic acid ethanolamide”

INHERENT PROPERTIES, IDENTIFIERS AND REFERENCES

20

ChemSpider ID: 4445574 [Quick Links](#) [Permalink](#) [Similar Inchems](#) [Wikipedia](#)

Empirical Formula: C₂₇H₅₃N₂O₂

Molecular Weight: 375.5292

Nominal Mass: 375 Da

Average Mass: 375.5292 Da

Monoisotopic Mass: 375.298079 Da

Systematic Name: (Z)-N-(2-hydroxyethyl)octadec-9-enamide

SMILES: O=C18CCCCCCCCC=CCCCCCCCC1NCCO

InChI: InChI=1C20H39NO2/c:1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-20/2:21-18-19-22/3:10-23H,2-4,11-19/2,1H3,6,21,23/9,10-9

InChIKey: BQWYQLEFMVHJZEEF-KTKRDTIGQZNY

Sol. InChI: InChI=1S/C20H39NO2/c:1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-20/2:21-18-19-22/3:10-23H,2-4,11-19/2,1H3,6,21,23/6,10-9

Sol. InChIKey: BQWYQLEFMVHJZEEF-KTKRDTIGQZSA-N

WIKIPEDIA ARTICLE(S) **LICENSE**

Oleylethanolamide (OEA) is an endogenous peroxisome proliferator-activated receptor alpha (PPAR-α) agonist. It is a naturally-occurring lipid derivative that regulates feeding and body weight in vertebrates ranging from mice to pythons. OEA is the monounsaturated analogue of the endocannabinoid anandamide, but unlike anandamide it acts independently of the cannabinoid pathway, regulating PPAR-α activity to stimulate lipolysis. OEA is produced by the small intestine following feeding in two steps. First an N-acyltransferase (NAT) activity joins the free amino terminus of phosphatidylethanolamine (PE) to the glycerol group (one variety of acyl group) derived from an 1-oleoyl phosphatidylcholine, which contains the fatty acid stearic acid at the sn-1 position (Illustration). This produces an N-acylphosphatidylethanolamine, which is then split (hydrolyzed) by N-acylphosphatidylethanolamine-specific phospholipase D (NAPE-PLD) into phosphatidic acid and OEA. OEA has recently been demonstrated to bind to the novel cannabinoid receptor GPR119. OEA has been suggested to be the receptor's endogenous ligand. [Read more...](#) or [Edit at Wikipedia...](#)

Validated names

IDENTIFIERS

Names and Synonyms Database ID(s)



[Validated by Experts](#), [Validated by Users](#), [Non-Validated](#), [Removed by Users](#), [Redirected by Users](#), [Redirect Approved](#) [Edit](#)





[by Experts](#)

(9Z)-N-(2-Hydroxyethyl)octadec-9-enamide
203-884-8 [EINECS/ELINCS]
9-Octadecenamide, N-(2-hydroxyethyl)-
9-octadecenamide, N-(2-hydroxyethyl)-, (9Z)-
9-Octadecenamide, N-(2-hydroxyethyl)-, (Z)-
N-(2-Hydroxyethyl)-9-octadecenamide
N-(9Z-octadecenoyl)-ethanolamine
N-(cis-9-Octadecenoyl)ethanolamine
N-oleoyl ethanolamide
N-oleoyl ethanolamine
[More...](#)

Links to information on the web – commercial vendors

⤴ ASSOCIATED DATA SOURCES AND COMMERCIAL SUPPLIERS FILTER

Chemical Vendors  Biological Data Publishers Screening Data Phys. Properties  Tox/Envir. Data
Personal Data Publication Web Article Compound Aggreg. Natural Products Data Aggregators
All Data Sources

Data Source	External ID(s)
Sigma-Aldrich 	00383_SIGMA
Calbiochem 	495417
Cayman Chemical 	90265
Tocris Bioscience 	1484
Pharmten 	S-PTN9573
Molport 	MolPort-003-959-060
Santa Cruz Biotechnology 	sc-201400

Publications

Welcome to PubMed

The PubMed database comprises more than 19 million citations for biomedical articles from MEDLINE and life science journals. Citations may include links to full-text articles from PubMed Central or publisher web sites.



Articles

PubMed Links & References Google Books Google Scholar RSC Journals RSC Books Microsoft Academic Search

Please [click here](#) to see full list of found articles.

- Lee JT, Xu J, Lee JM, Ku G, Han X, Yang D, Chen S, Hsu CY. [Amyloid- \$\beta\$ peptide induces astrocytocyte death by activating the neutral sphingomyelinase-ceramide pathway](#). *J Cell Biol*, Volume 164, Issue 1, 2004 Jan 5, Pages: 123-131.
- Myers AM, Desrochers SA, Astarka O, Powell D, Hohmann AG. [An Endocannabinoid Signaling System Modulates Anxiety-like Behavior in Mice Strain Haplotypes](#). *Psychopharmacology (Berl)*, Volume 200, Issue 3, 2008 Oct, Pages: 333-346.
- Wise LE, Cannavacciuolo R, Dreash BF, Martin BF, Lichtman AH. [Evaluation of fatty acid amides in the carrageenan-induced paw edema model](#). *Neuropharmacology*, Volume 54, Issue 1, 2008 Jan, Pages: 181-188.
- Callaway JC. [Endogenous cannabinoids in coal miners: brain of Dronover have 1 and 2 receptors](#). *Eur Neuropsychopharmacol*, Volume 20, Issue 4, 2010 Apr.
- Furuse H. [Dietary conjugated linoleic acid modifies the brain endocannabinoid system in mice](#). *Hum Neurosci*, Volume 12, Issue 4, 2009 Aug.
- Heath TG. [Endogenous sphingolipids analysis in human plasma using HPLC tandem MS with electrospray ionization](#). *J Chromatogr B Analyt Technol Biomed Life Sci*, Volume 877, Issue 22, 2009 Jul 15.
- Lin CH. [Endotoxin induces cyclooxygenase-2 expression in macrophages by activating the neutral sphingomyelinase-ceramide pathway](#). *J Biol Chem*, Volume 284, Issue 31, 2009 Jul 31.
- Wittkamp RP. [Development and validation of a quantitative method for the determination of 12 endocannabinoids and related compounds in human plasma using liquid chromatography-tandem mass spectrometry](#). *J Chromatogr B Analyt Technol Biomed Life Sci*, Volume 877, Issue 14-15, 2009 May 15.
- Weiss M. [Biochemical and biological properties of 4-\(1-phenyl\(1,2,6\)-triazol-5-yl\)-operazine-1-carboxylic acid stamylamide, a mechanism-based inhibitor of fatty acid amide hydrolase](#). *Anesth Analg*, Volume 108, Issue 1, 2009 Jan.
- Hohmann AG. [An endocannabinoid signaling system modulates anxiety-like behavior in mice strain haplotypes](#). *Psychopharmacology (Berl)*, Volume 200, Issue 3, 2008 Oct.
- Altschuld RA. [Levon modulates the negative inotropic effect of isoflurane- \$\beta\$ eta in cardiac myocytes](#). *Mol Cell Biochem*, Volume 315, Issue 1-2, 2008 Aug.
- Thiem GS. [Genetic deletion of Fatty Acid Amide Hydrolase results in improved long-term outcome in chronic subarachnoid encephalitis](#). *Neurosci Lett*, Volume 439, Issue 1, 2008 Jul 4.
- Di Marzo V. [Effect of polyunsaturated fatty acids on endocannabinoid and N-acyl-L-homocysteine levels in mouse adipocytes](#). *Biochim Biophys Acta*, Volume 1791, Issue 1-2, 2008 Jan-Feb.

RSC Journals

ARTICLES

PubMed

Links & Reference

Google Books

Google Scholar

RSC Journals

RSC Books

Microsoft Academic Search

Results 1 - 4 of 4

- V. P. Shevchenko, Igor Y. Nagaev, Nikolai F. Myasoedov. Methods for the synthesis of tritium-labelled fatty acids and their derivatives, oxylipins and steroids, Russ. Chem. Rev., 1999, 68, 859, Volume 68, Issue 10, 1999-01-01, Pages 859-879

The achievements in the field of synthesis and application of tritium-labelled oxylipins, steroids, fatty acids, phospho-, sphingo- and other lipids are reviewed. The importance of these studies for the solution of current problems of biochemistry, biology and pharmacology is exemplified in the application of labelled compounds. The bibliography includes 148 references.

- B. E. Andrew. Determination of non-ionic surfactants in waste water by direct extraction with Fourier transform infrared spectroscopic detection, Analyst, 1993, 118, 153, Volume 118, Issue 2, 1993-01-01, Pages 153-155

Non-ionic surfactants in waste water can be extracted and concentrated in dichloromethane using a simple salting-out procedure. The characteristic C—O—C stretch vibration at 1110 cm^{-1} is then utilized to measure surfactant concentration at levels ranging from 0.1 to 50 mg l^{-1} . Relative standard deviations vary from 15% at the 10 mg l^{-1} level for a single-step extraction, to 5% at the 1 mg l^{-1} level for multiple extraction followed by evaporation and reconstitution. Soaps are the only major interference found for the technique. Comparison of this procedure with the commonly used cobalthiocyanate

Patents

^ PATENTS

USPTO (66)

USPTOA

EPA (17)

EPB

WOPCT (167)

JP

Google Patents

17 patents found in EPA.

Patent No.	Title
2107097	Oleoylethanolamide based functional mesophases
1287815	Use of a sphingoid base for inhibiting ceramidase activity
1707211	CERAMIDASE INHIBITOR
1840125	Derivatives of dioxane-2-alkyl carbamates, preparation thereof and application thereof in therapeutics
0606590	Pharmaceutical or cosmetic composition containing N-acylalkanolamines and N-acylphospho- or lysophospholipids
1972616	Derivatives of arylalkylcarbamates, process for their preparation and therapeutic application thereof
1923388	BRAIN/NEURONAL CELL-PROTECTING AGENT, AND THERAPEUTIC AGENT FOR SLEEP DISORDER
0213885	Grease compositions containing borated catechol compounds and hydroxy-containing soap thickeners
1731161	Compositions for the treatment of diseases associated with elevated sphingolipid concentrations
1561461	Adhesive mixture for transdermal delivery of highly plasticizing drugs

RSC Databases

^ RSC DATABASES

Mass Spectrometry Bulletin (0) Laboratory Hazards Bulletin (0) Methods in Organic Synthesis (0) Catalysts & Catalysed Reactions (0)

Natural Product Updates (0) Analytical Abstracts (2)

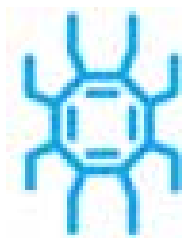
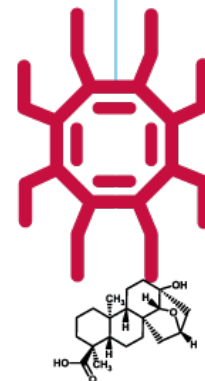
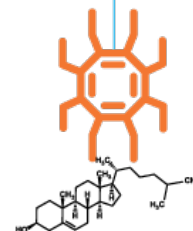
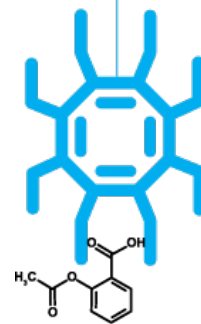
Results 1 - 2 of 2

- M. G. J. Balvers, K. C. M. Verhoecx, R. F. Witkamp. Development and validation of a quantitative method for the determination of 12 endocannabinoids and related compounds in human plasma using liquid chromatography-tandem mass spectrometry, J. Chromatogr., B: Anal. Technol. Biomed. Life Sci., 2010, 877, 1583, Volume 877, Issue 14-15, 2010-01-01, Pages 1583-1590
A sensitive and specific LC-MS/MS method for the quantification of the endocannabinoids and related structures anandamide, 2-arachidonoyl glycerol, 2-arachidonoyl glycerol ether, O-arachidonoyl ethanolamide, dihomo- γ -linolenoyl ethanolamide, docosatetraenoyl ethanolamide, N-arachidonoyl dopamine, N-arachidonoyl glycine, N-oleoyl dopamine, oleoyl ethanolamide, palmitoyl ethanolamide, and stearoyl ethanolamide in human plasma was developed and validated. Compounds were extracted using acetonitrile followed by solid-phase extraction. Separation was performed on a Xterra C8 column using gradient elution coupled to a triple-quadrupole MS. LLOQ levels ranged from 0.02 to 1.75 $\mu\text{g}/\text{mL}$, LODs ranged from 0.0002 to 0.1266 ng/mL , and accuracies were >80% (except stearoyl ethanolamide at lowest spike level) at all spike levels.
- D. Richardson, C. A. Ortori, V. Chapman, D. A. Kendall, D. A. Barrett. Quantitative profiling of endocannabinoids and related compounds in rat brain using liquid chromatography-tandem electrospray ionization mass spectrometry, Anal. Biochem., 2007, 360, 216, Volume 360, Issue 2, 2007-07-01, Pages 216-226
A sensitive and specific liquid chromatography-tandem mass spectrometry (LC-MS/MS) method is described for the simultaneous identification and

Now take a look

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How to get your work published

Outline

- What do editors do?
- Requirements of a paper?
- Choice of journal
- Writing a paper
- Submission
- Editor and reviewer comments
- Questions



What does an editor do?

Key role in publication process

- Manages peer review
 - From initial assessment to acceptance
- Mediates between referees and authors
- Makes the final decision about publication
- Ensures fairness and quality standards
- Facilitates publication

Initial assessment – rejection without review

- **Scope:** The paper is outside the journal's subject or it could be of more interest to another audience
- **The area is not of interest currently:** This is usually indicated if the references are old
- **The work is too specialised:** The paper would only be of interest to a small number of the journal's readers

Initial assessment – rejection without review

- **The work is fragmented:** The paper contains only a small amount of new work, for example if most of the work in a paper has already been published
- **The work is low in novelty:** The article does not report any improvement on known work
- **The work is poor:** If there is no experimental for a synthesis paper, etc.



Peer review

- Referee selection considerations
 - Specialist knowledge
 - Speed / reliability / accuracy
- Referee's role
 - Comment on science
 - Make recommendation
- Editor's role
 - Interpret referee report
 - Make decision

Requirements of a paper?

- Articles that:
 - *Are novel and advance existing knowledge of subject*
 - Are appropriate quality for journal
 - Within scope of journal
 - Relevant to readership



Choosing a journal

- Match subject area to journal scope
- Specialised vs General journal
- Papers from others in your subject area?
- Communication or a full paper?

THEN

- Impact Factor/Immediacy index
- Publisher/Editorial Boards



Structure of an article

- Title
- Authorship
- Abstract
- Introduction
- Experimental
- Results and Discussion
- Conclusions
- Acknowledgements
- References



How to write... (2)

- Literature citations
- Tell a clear, logical and concise story
- Emphasise the novel aspects of the work
- Comparisons with existing work
- No criticism of others



Submission

- Cover letter
- Declare in-press papers
- Journal guidelines
- Files and formats
- Ethical statements



Cover letter

- To include:
 - Summary of work
 - Novelty statement
 - Possible implications/applications
 - Suggested referees
 - Article type





Editor and reviewer comments

Revision

- Address/respond to all reviewer comments
- Give details/arguments if you disagree
- Ensure answers are included in manuscript
- Itemise all changes

Rejection

- Consider referee comments
- Learn from the experience
- Consider appeal if appropriate

Acceptance

- On acceptance:
 - Edited by a team of professional staff
 - Polish and correct language
 - Check meaning and understanding
 - Ask questions about references and content
 - Proofs
 - Publication on web as soon as ready

Tips to get published

- Choose the right journal
- Ensure your work has novelty
- Provide a clear statement of novelty/impact
- Read and follow the Guidelines for Authors
- Perform thorough literature search
- Keep the language simple, short sentences
- Proof read before submission
- Suggest referees
- On revision, address all reviewer comments

Peer review

Peer review

- Articles under consideration are usually sent to at least *2 independent* reviewers
 - Independent from each other: at different institutes
 - Independent from the author: not a collaborator or someone with a close personal connection
 - Anyone sent a request to review an article where they are not fully independent should declare a conflict of interest

Peer review

- Reviewers are chosen by editors based on
 - Scientific expertise
 - Knowledge of the journal
 - Knowledge of the research community
 - Refereeing history, how helpful, accurate and timely any previous reports have been
- Author suggestions are always welcome and should be critical reviewers, not friends or colleagues

Reviewer's role

- To offer an opinion on the suitability of the article for publication in a specific journal
 - Accuracy of the science
 - Novelty of the work
 - Interest for the community
- To offer useful critical feedback to authors to help improve their article
 - Help to ensure the article is the best it can be
 - Offer suggestions for future work

Writing referee reports

- Offer an opinion on the novelty of the work
- Support your opinion with clear explanation and reference to the work reported
- Do not make personal criticisms
- If you feel that you cannot provide a helpful report within the specified deadline, decline the invitation to review

Thank you!

Any Questions?

pubs.rsc.org



Measures of impact and quality

Impact Factor(2008) =

Total citations made during 2008 to 2006 and 2007

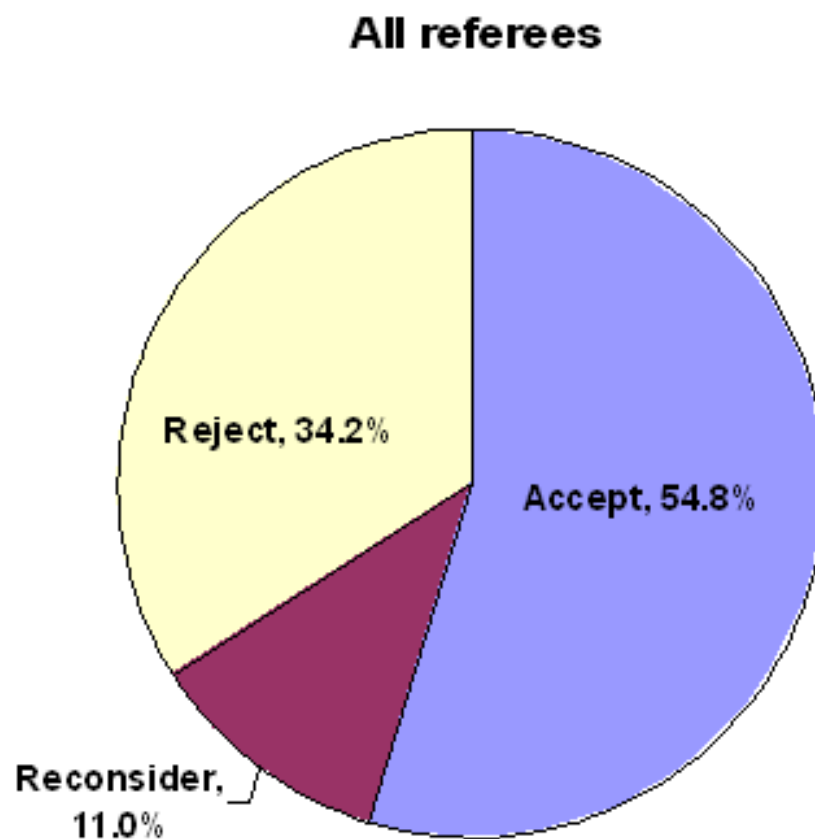
Total number of citable items published in 2006
and 2007

Immediacy Index(2008) =

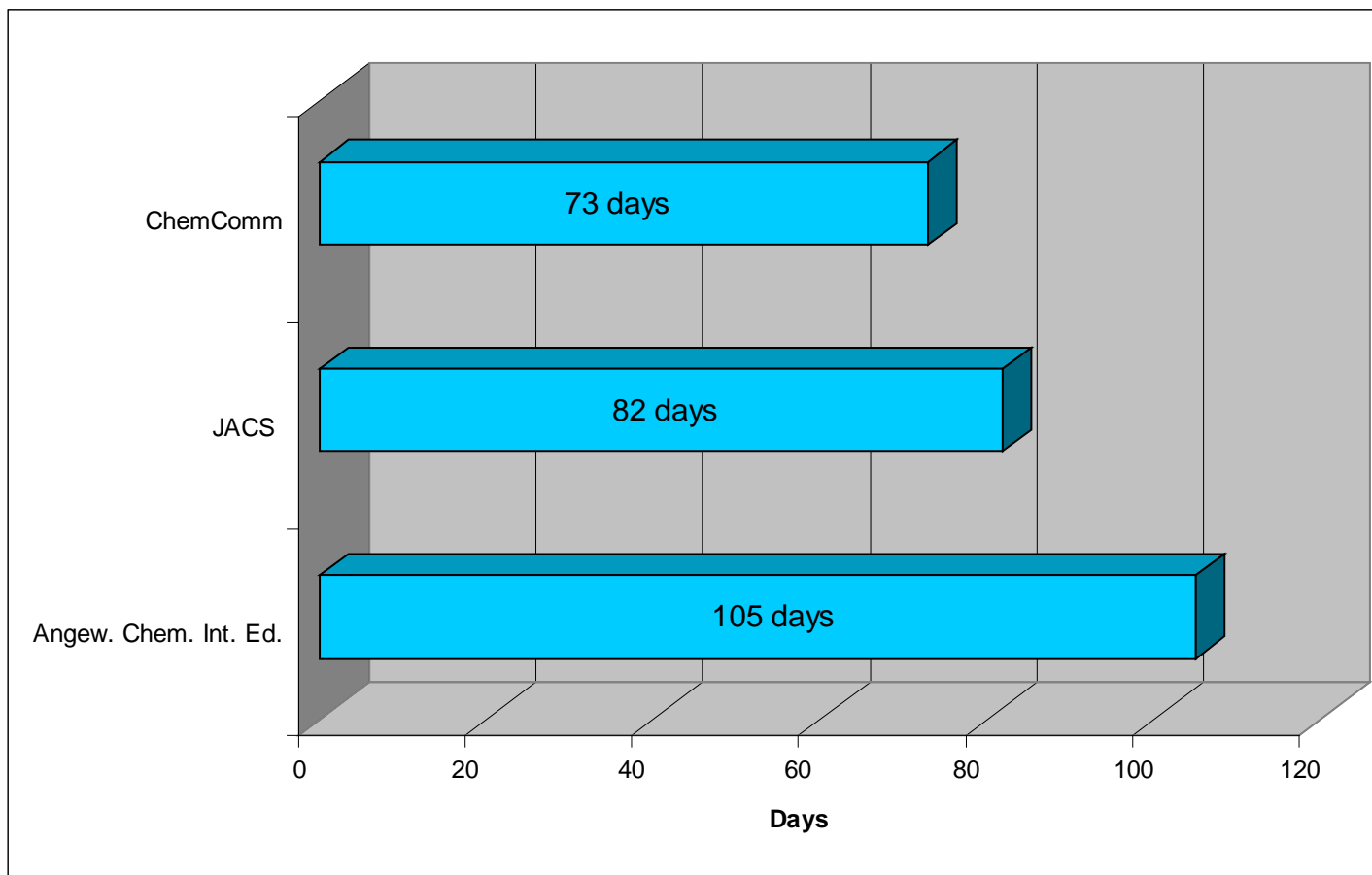
Total citations made during 2008 to 2008

Total number of citable items published in 2008

Referee Recommendations

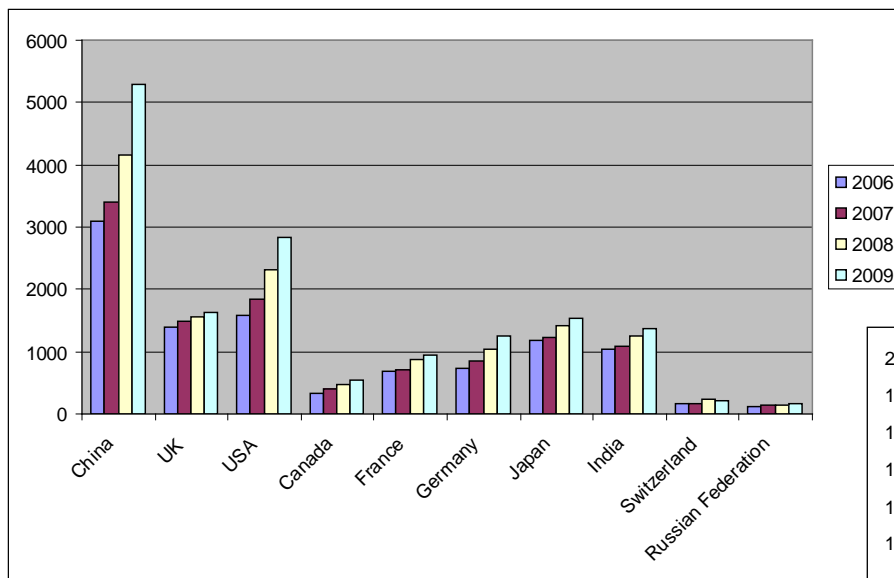


2008 Times to Publication

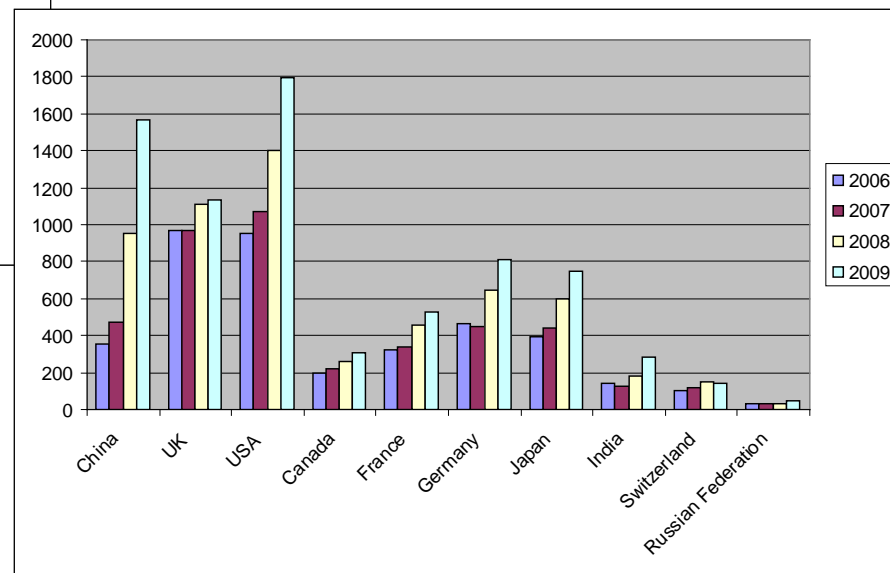


Submission and acceptance trends

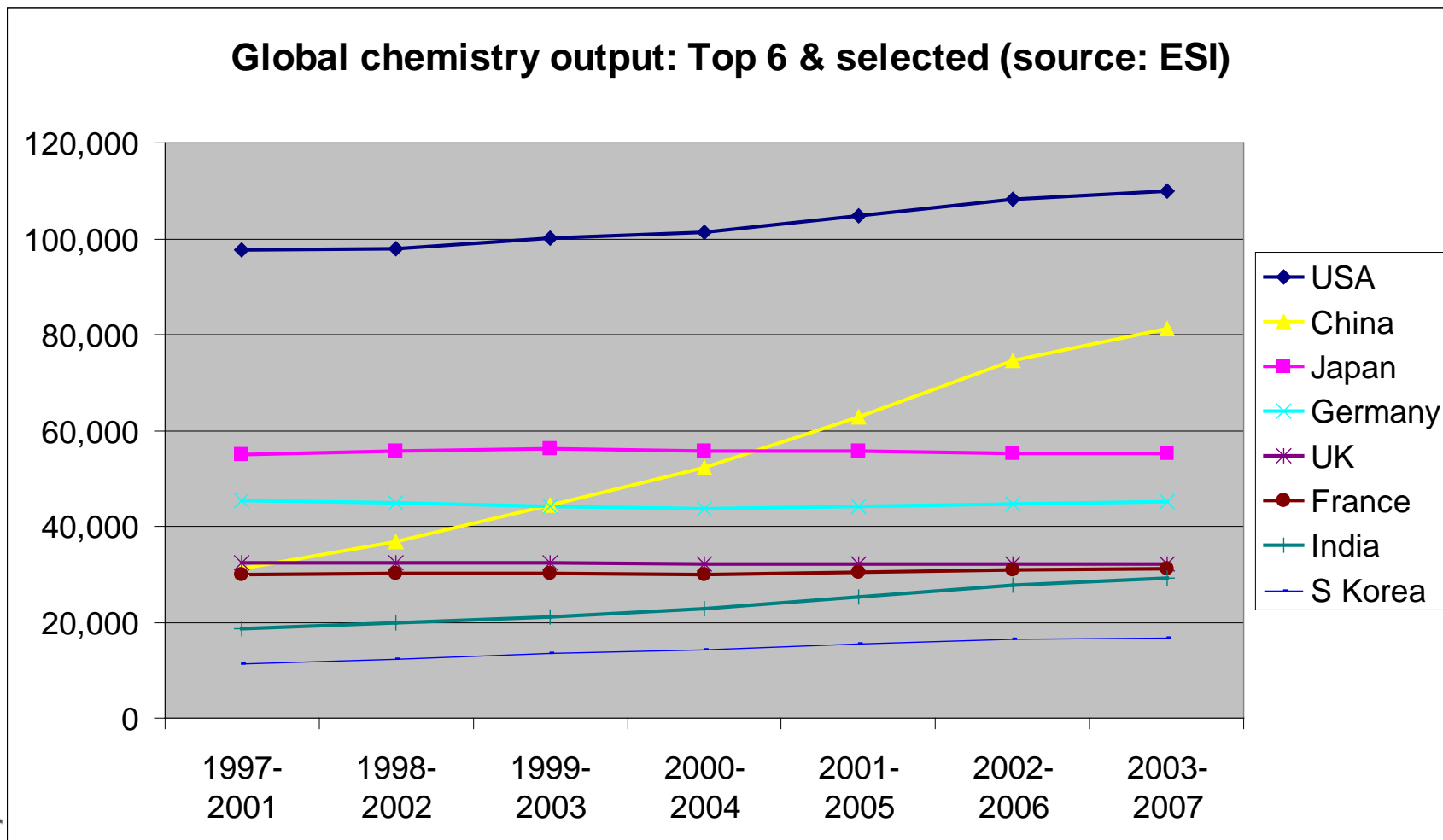
Submissions (2006-2009)



Acceptances (2006-2009)



Chemistry: A global market



How to write....

- Outline - G. M. Whitesides, *Adv. Mater.* 2004, **16**, 1375
- Structure

