



Neville Compton

More Choice, More Issues, More “Chemistry”

Message received and understood: In my Editorial in issue 1 in 2008 we launched a Call for Communications as part of the next stage in the development of *Chemistry—A European Journal*. The response from authors to this call has been truly amazing, and has surpassed our expectations. During 2008 we received well over 500 Communications, 167 of which we have already published. These Communications have been submitted from all over the world. Some of them resulted from transfers from our sister journal *Angewandte Chemie*. In these cases the initial peer reviewers were of the opinion that the work was suitable for a broad heterogeneous readership but was not quite novel enough to meet the exacting standards for a Communication in *Angewandte Chemie*. *Chemistry—A European Journal* thus provides an attractive alternative to the other general chemistry journals. The Communications have already become very popular with readers as seen from the downloads for each article. The top 10 downloaded Communications in 2008 are given in Table 1.

Weekly publication: As we begin our 15th volume, it is again a time for change. Constant innovations have accompanied our development over the years, and this year is no different. The expansion of the journal has continued apace

48 Issues in 2009

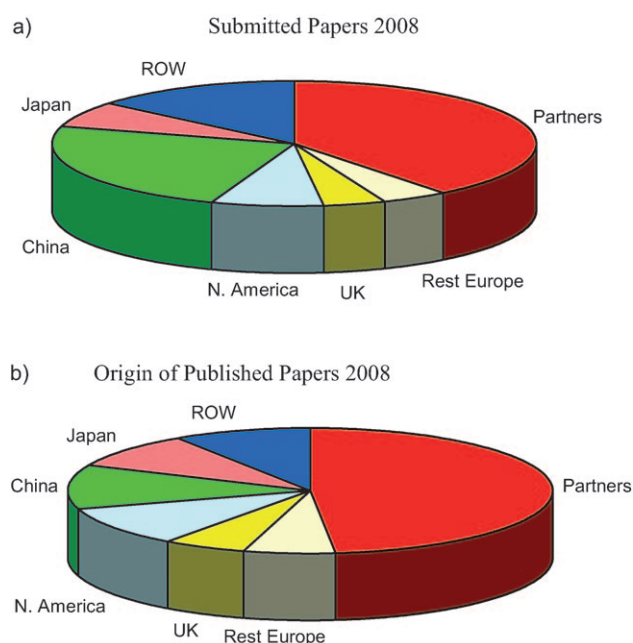


Figure 1. International distribution of a) papers submitted and b) correspondence authors of papers published in *Chemistry—A European Journal*. The Partners comprise the 13 European countries of the 14 Chemical Societies that co-own *Chemistry—A European Journal*.

Table 1. Top 10 downloaded Communications published in 2008 in *Chemistry—A European Journal*.^[a]

Title	Authors	Citation
Iron-Catalyzed N-Arylations of Amides	C. Bolm et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 3527
Novel Bifunctional Chiral Urea and Thiourea Derivatives as Organocatalysts:	R. Pedrosav et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 5116
Enantioselective Nitro-Michael Reaction of Malonates and Diketones		
Highly Enantioselective Friedel–Crafts Reaction of 4,7-Dihydroindoles with Imines	S. L. You et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 3539
by Chiral Phosphoric Acids: Facile Access to 2-Indolyl Methanamine Derivatives		
Organocatalytic Asymmetric Synthesis of Functionalized 3, 4-Dihydropyran Derivatives	K. A. Jørgensen et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 6317
Quaternary Stereogenic Carbon Atoms in Complex Molecules by an Asymmetric,	P. Melchiorre et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 4788
Organocatalytic, Triple-Cascade Reaction		
Highly Enantioselective Strecker Reaction of Ketoimines Catalyzed by an Organocatalyst	X. Feng et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 4484
from (S)-BINOL and L-Prolinamide		
Copper- or Iron-Catalyzed Arylation of Phenols from respectively Aryl Chlorides	M. Taillefer and N. Xia	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 6037
and Aryl Iodides		
Entry to Coronene Chemistry—Making Large Electron Donors and Acceptors	K. Müllen et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 6322
Highly Fluorescent Lyotropic Mesophases and Organogels Based on J-Aggregates of	F. Würthner et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 8074
Core-Twisted Perylene Bisimide Dyes		
Chiral Amine-Catalyzed Enantioselective Cascade Aza-Ene-Type Cyclization Reactions	X. Yu, W. Wang et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 6333

[a] Data taken for period up to October 31, 2008.

since its launch in 1995. The addition of Communications to the content of the journal gave this growth further impetus, and the signs are that this will continue in the future. The continual growth is illustrated in Figure 1, and indeed in 2008 we published 1173 top-quality articles on over 11500 pages. Accordingly, to cater for this growth and to enable us to grow further the decision has been taken to increase the frequency of publication from 36 issues to 48 issues in 2009.

Rising values: The continual growth of *Chemistry—A European Journal* has been one of the notable features since its launch. We have published over 300 issues of the journal, in which more than 400 Concept articles and 7000 Full

Submissions up by 33%

papers have appeared. To date we have presented our readers with over 78000 pages packed with stimulating chemistry. Last year submissions rose by about 33 % overall. There were major increases from South Korea (96 %), the Netherlands (+68 %), Spain (+65 %), Switzerland (+60 %), and Sweden (+55 %). The global interest in *Chemistry—A European Journal* is reflected in the fact that we received submissions from over 50 countries. The global distribution of submissions to the journal is given in Figure 2a. In the course of 2008, we published 25 % more articles than in 2007. The global distribution of the

25% more papers published

correspondence authors of the papers published in 2008 is given in Figure 2, which shows that just under half of the papers come from authors based in the countries of partner societies, and approximately 60 % of the authors are based in Europe. China and Japan together account for about 20 %, 11 % come from North America, and 9 % from the rest of the World.

The Impact Factor for *Chemistry—A European Journal* rose for the sixth consecutive year to a record level of 5.330 in 2008. The growing interest and importance of the papers published in the journal is not only reflected in this increase in the Impact Factor, but also in the fact that the number of full-text downloads rose above a million in 2008. Given the quality of the papers we have published in recent years this comes as no surprise. A selection of the top 10 downloaded Full Papers and Concepts from 2008 is given in Tables 2 and 3.

Over one million full-text downloads

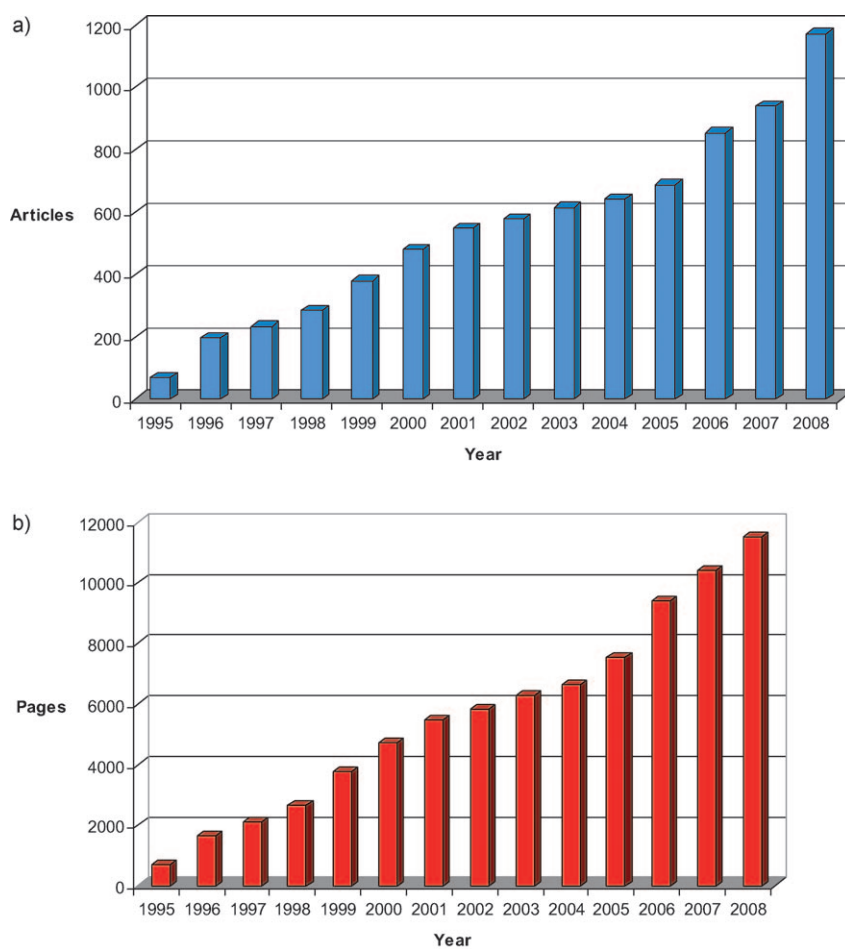


Figure 2. Growth of *Chemistry—A European Journal* in terms of a) the number of articles and b) the number of pages since its launch in 1995.

Faster delivery: As promised, we have made notable progress in our desired goal to publish papers more quickly. We have managed to reduce our publication times by a further 10 days over the course of 2008, despite the massive increases in the number of submissions. The increase in frequency of the journal from 36 to 48 issues will provide us with the platform to continue this positive trend. As authors, you can help to facilitate the publication process by making use of the article templates available on the journal homepage (www.chemeurj.org) and in ensuring that all the necessary graphics files are submitted in the correct formats with the final version of the paper.

Publication times cut by 10 days

European stage: The 2nd EuCheMS Chemistry Congress in Torino in September last year proved to be a tremendous success. The special issues of *Chemistry—A European Journal* and *ChemSusChem*, which were prepared for the event, were rapidly snapped up at the stand by the attendees. I would like to take this opportunity to thank once again all those authors who contributed to this special issue. It was

Table 2. Top 10 downloaded Full Papers published in 2008 in *Chemistry—A European Journal*.^[a]

Title	Authors	Citation
Surfactant-Free Synthesis of Hyperbranched Monoclinic Bismuth Vanadate and Its Applications in Photocatalysis, Gas Sensing, and Lithium-Ion Batteries	Y. Xie et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 1601
Facile Synthesis of Gold Nanoparticles with Narrow Size Distribution by Using AuCl or AuBr as the Precursor	Y. Xia et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 1584
Selective Gas Adsorption and Unique Structural Topology of a Highly Stable Guest-Free Zeolite-Type MOF Material with N-rich Chiral Open Channels	B. Xian-He et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 2771
Photooxidation of Guanine by a Ruthenium Dipyridophenazine Complex Intercalated in a Double-Stranded Polynucleotide Monitored Directly by Picosecond Visible and Infrared Absorption Spectroscopy	B. Elias, M. W. George, J. M. Kelly et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 369
Asymmetric Synthetic Access to the Hetsine Alkaloids: Total Synthesis of (+)-Nominine	D. Y. Gin et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 1654
Bis(BF ₂)-2,2'-Bidipyrins (BisBODIPYs): Highly Fluorescent BODIPY Dimers with Large Stokes Shifts	M. Bröring et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 2976
A New Nanobiosensor for Glucose with High Sensitivity and Selectivity in Serum Based on Fluorescence Resonance Energy Transfer (FRET) between CdTe Quantum Dots and Au Nanoparticles	B. Tang et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 3637.
Direct Thermal Decomposition of Metal Nitrates in Octadecylamine to Metal Oxide Nanocrystals	Y. D. Li et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 2507
On the Origin of the Stereoselectivity in Organocatalysed Reactions with Trimethylsilyl-Protected Diarylprolinol	K. A. Jørgensen et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 122
A Highly Selective Colorimetric Aqueous Sensor for Mercury	G. N. Tew et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 3904

[a] Data taken for period up to October 31, 2008.

Table 3. Top 10 downloaded Concept articles published in 2008 in *Chemistry—A European Journal*.^[a]

Title	Authors	Citation
New Architectures for Dye-Sensitized Solar Cells	J. T. Hupp et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 4458
New Strategies for the Synthesis of Pyrimidine Derivatives	M. Movassaghi and M. D. Hill	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 6836
Classical Reagents: New Surprises in Palladium-Catalyzed C–C Coupling Reactions	T. Skrydstrup and A. T. Lindhardt	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 8756
Catalytic Asymmetric Synthesis of Chiral Phosphanes	D. S. Glueck	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 7108
Recent Developments in Enantioselective Gold(I) Catalysis	R. A. Widenhoefer	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 5382
Ring-Closing Metathesis: Novel Routes to Aromatic Heterocycles	T. J. Donohoe et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 5716
Total Syntheses of Carbohydrates: Organocatalyzed Aldol Additions of Dihydroxyacetone	R. Mahrwald and M. Markert	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 40
Chemistry and the Missing Era of Evolution	A. G. Cairns-Smith	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 3830
New Carbon Materials: Biological Applications of Functionalized Nanodiamond Materials	A. Krueger	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 1382
Processing Energy and Signals by Molecular and Supramolecular Systems	V. Balzani et al.	<i>Chem. Eur. J.</i> 2008 , <i>14</i> , 26

[a] Data taken for period up to October 31, 2008.

very pleasing to see how many of the lectures at the congress featured work published not only in *Chemistry—A European Journal*, but also in the other journals of the European family.

A joint event in Torino hosted by Wiley-VCH and the German Chemical Society (GDCh), which featured addresses by Professor Klaus Müllen, President of the GDCh, Professor François Diederich, Chairman of the Editorial Board of *Angewandte Chemie*, Professor Kyriacos C. Nicolaou, winner of the prestigious, August-Wilhelm-von-Hofmann award from the GDCh, and Professor Gabriele Centi, co-chairman of the Editorial Board of *ChemSusChem*, was extremely well attended, and provided an ideal opportunity to exchange ideas.

The 2nd EuChemS Chemistry Congress also provided a showcase for highly talented young chemists. Entrants for the Young Chemists Award gave presentations, which were

judged by a panel of experts. After having witnessed firsthand the strength and the quality of the competitors, I would like to pass on my personal congratulations to the winners, Fabio Arnesano, University of Bari, and Guillermo Mínguez Espallargas, University of Sheffield, as well as the runners up Leonard J. Prins, University of Padova, Ali Tavassoli, University of Southampton, Gustaavo Fernández, Universidad Complutense de Madrid, and Viktoria H. Gessner, Universität Würzburg. Details of the event were described in the Guest Editorial by Bruno Pignataro in issue 36, 2008.

Distinction: To better distinguish between the European Association for Chemical and Molecular Sciences (EuChemS) and the group of 14 chemical societies, which were formerly known as the Editorial Union of Chemical Societies (EUChemSoc), which publish the European family of journals together with Wiley-VCH, the partner societies chose to rename their alliance as Chemical Publishing Soci-



ety Europe (ChemPubSoc Europe). More about this can be found in the Guest Editorial by Wolfram Koch, Chairman of the Owners Societies of *Chemistry—A European Journal* on page 11. The name may have changed, but the distinctive features of the journals in the group remain the same.

The magnificent seven: ChemPubSoc Europe currently, owns or co-owns not only *Chemistry—A European Journal*, but also the *European Journal of Organic Chemistry*, the *European Journal of Inorganic Chemistry*, *ChemPhysChem*,



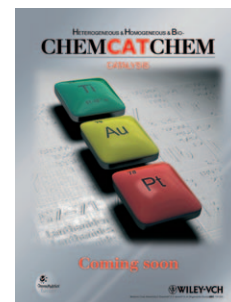
ChemBioChem, *ChemMedChem*, and *ChemSusChem*. This close family of journals published almost 3500 articles in 2008, an increase of 17% on the previous year—a clear indication of the strength of the ChemPubSoc Europe journals program. A list of the most prolific authors who have published in the ChemPubSoc Europe family of journals since 2000 is given in Table 4, and a more specific list for *Chemistry—A European Journal* is given in Table 5. We would like to thank these top authors for placing their continued faith in our family of journals.

A catalyst for change: The success of *Chemistry—A European Journal* served as a catalyst for changing the face of the publishing activities of many European chemical societies.

The family of journals above, which has expanded over the last 15 years, is scheduled to grow further with the launch of an exciting new catalysis journal *ChemCatChem* in the near future.

**ChemCatChem
is coming!**

10 years and counting: Following the successful 10th anniversary celebrations of the *European Journal of Organic Chemistry* and the *European Journal of Inorganic Chemistry* in 2007, *ChemBioChem* and *ChemPhysChem* will this year publish their 10th volumes. Both journals have proved to be very successful and very popular within their respective communities. The common feature of the two journals is that they were both launched at the interfaces of two disciplines (chemical biology and biological chemistry as well as chemical physics and physical chemistry), a point aptly made in the Editorial by J.-M. Lehn and A. R. Fersht in *ChemBioChem* in issue 1 in 2009.



Time to split: Following its spin off *ChemMedChem* has gone on from strength to strength—its initial Impact Factor of 2.825, placed it among the leading journals in its field. The time has now come for the newest member of the European family of journals, *ChemSusChem*, to spread its wings. The journal had a very successful first year and its core topics of sustainable chemistry, including green chemistry, sustainable chemicals and materials, environment, and renewable alternative energies, are among the most important ones in the current climate. The journal will now be available to subscribers as a separate product.

Growing influence: ChemPubSoc Europe also supports our sister journal *Chemistry—An Asian Journal*, which has had a very successful year, the highlight of which was the special issue to mark the 70th birthday of Ryoji Noyori, the chairman of the Editorial Board. *Chemistry—An Asian*

Table 4. Most published principal authors in the ChemPubSoc Europe family of European journals between 2000 and 2008.^[a,b]

Name	Country	Number of articles
Armin de Meijere	Germany	78
Jan Reedijk	The Netherlands	64
Jean-Marie Lehn	France	61
Manfred Schlosser	Switzerland	58
François Diederich	Switzerland	45
Henning Hopf	Germany	45
Heinrich Nöth	Germany	44
Matthias Beller	Germany	41
Peter Langer	Germany	40
Klaus Müllen	Germany	40
Chi-Ming Che	China	39
Jesús Jiménez-Barbero	Spain	39
Herbert Waldmann	Germany	39
Christian Amatore	France	37
Rolf Gleiter	Germany	37
Kari Rissanen	Finland	37
Gerhard Erker	Germany	36
David N. Reinhoudt	The Netherlands	35
J. Fraser Stoddart	USA	35
Andreas Hirsch	Germany	34
Vincenzo Balzani	Italy	33
Rinaldo Poli	France	32
Detlef Schröder	Czech Republic	32
Helmut Schwarz	Germany	32
Lutz F. Tietze	Germany	32
José Barluenga	Spain	31
Song Gao	China	31

[a] The ChemPubSoc Europe family of journals includes *Chemistry—A European Journal*, *European Journal of Organic Chemistry*, *European Journal of Inorganic Chemistry*, *ChemPhysChem*, *ChemBioChem*, *ChemMedChem*, and *ChemSusChem*. [b] This table does not include authors whose primary role has been related to solving X-ray crystal structures.

Table 5. Most published principal authors in *Chemistry—A European Journal* between 2000 and 2008.^[a]

Name	Country	Number of articles
Jean-Marie Lehn	France	41
José Barluenga	Spain	31
Armin de Meijere	Germany	30
J. Fraser Stoddart	USA	29
Chi-Ming Che	China	28
David N. Reinhoudt	The Netherlands	27
Dirk M. Guldi	Germany	25
Matthias Beller	Germany	23
François Diederich	Switzerland	24
Herbert Waldmann	Germany	25
Klaus Müllen	Germany	21
Lutz F. Tietze	Germany	22
Alois Fürstner	Germany	20
Gernot Frenking	Germany	19
Jan-E. Bäckvall	Sweden	18
Atsuhiko Osuka	Japan	18
Helmut Schwarz	Germany	18
Vincenzo Balzani	Italy	17
Luis Echegoyen	USA	17
Kari Rissanen	Finland	17
Detlef Schröder	Czech Republic	17

[a] This table does not include authors whose primary role has been related to solving X-ray crystal structures.

Journal has also expanded its portfolio and is now accepting Communications as well as Full Papers and Focus Reviews. The ACES partnership behind *Chemistry—An Asian Jour-*

nal, which also supports *Chemistry—A European Journal*, also gained new additional members during the course of the year, with The Chemical Society of Thailand, Institut Kimia Malaysia, and the New Zealand Institute of Chemistry, joining their ranks. Together with the chemical societies that make up ChemPubSoc Europe, there are now 25 chemical societies involved in these successful publishing ventures.

Something special: Last year *Chemistry—A European Journal* ran a couple of special issues, one for the 23rd International Conference on Organometallic Chemistry (ICOMC), which took place in Rennes, and the one mentioned above for the 2nd EuCheMS Chemistry Congress in Torino. Details of these are still available under the special features on the journal homepage (www.chemeurj.org). This year will again feature some special issues, more details of which will appear in due course. Among these will be an issue to celebrate the 100th Anniversary of the Società Chimica Italiana (Italian Chemistry Society).

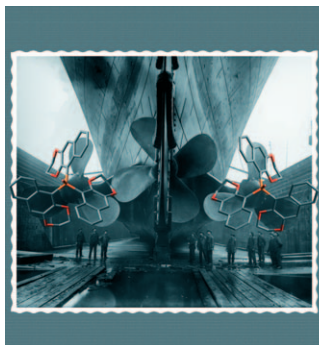
Head in the clouds: Tag clouds have been added to the homepages of the family of European journals. Each of the tag clouds, lists the 50 most frequent keywords, or tags, assigned to articles in the respective journal. The more frequent the keyword is used, the larger the font size. For example, for *Chemistry—A European Journal*, the most frequently used keywords include asymmetric catalysis, copper, density functional calculations, electrochemistry, hydrogen bonds, nanostructures, palladium, porphyrinoids, reaction mechanisms, and supramolecular chemistry.

Some like it hot: The selection of hot topics on the homepage (see www.chemeurj.org) has been expanded to reflect the recent development of different fields. The existing hot topics of organocatalysis, mesoporous materials, gold, and sustainable chemistry will now be supplemented by metal–organic frameworks, drug discovery, click chemistry, and nanobiotechnology. This feature enables the reader to see a list of the articles in these areas across the family of European journals and *Angewandte Chemie*, as well as *Advanced Materials*, *Advanced Functional Materials*, and *Small*.

First up: In this first issue of our 15th volume we present a wide range of excellent papers. The Concept article by Stefan Matile features work on anion– π slides for transmembrane transport (see p. 28). The cover article in this issue describes work on chirality in the absence of rigid stereogenic elements by Francesco Sannicò et al. (see p. 86), and the frontispiece at the beginning of the Full Paper section reports work on improved MRI visualization of tumor cells by tuning glutamine conjugation modes on Gd-DOTA-based probes by Silvio Aime et al. (p. 76).

25 Chemical Societies on Board

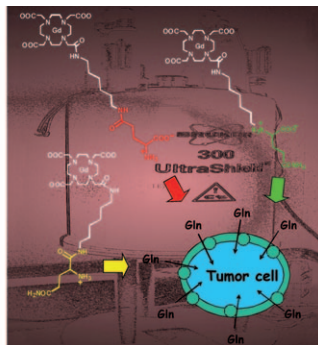
Hot Topics



Cover: Sonnicolo et al.



Concept: Concept: S. Matile, J. Mareda



Frontispiece: Aime et al.

thetic models for heme proteins (p. 125), and one by Claudio Toniolo et al. on photoinduced intramolecular macrocyclization in helical peptides (p. 67).

The first weekly issue, which contains 30 contributions, confirms the breadth of chemistry published in the journal. We would like to thank all the authors who send us their top papers for putting their faith in our journal and our professional approach to publishing. Their support as well as that from the

publisher and all of our referees and Editorial Board members is why *Chemistry—A European Journal* has continued to grow successfully over the last 15 years. We are looking forward to the challenges associated with weekly publication, but I am sure that given the dedicated team that works on the journal, we shall master these and provide our readers with more at the cutting edge of chemistry.

Neville Compton

Neville Compton, Editor

This issue showcases some notable papers from members of the Editorial Board, including a paper by Pekka Pyykkö's group on molecular single-bond radii for elements 1–118 (p. 186), one by J. Fraser Stoddart et al. on complexation between paraquat bis(hexafluorophosphate) and dibenzo[24]crown-8 (p. 106), one by Armin de Meijere et al. on oligosubstituted pyrroles (p. 227), one by François Diederich et al. on probing hydrogen bonding to bound dioxygen in syn-