Inorganic Chemistry

Editorial

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It has been another busy and exciting year at *Inorganic Chemistry*. Wide-ranging and, in many respects, quite extraordinary science has appeared in our pages, drawing attention far and wide to the wonders of modern inorganic chemistry. As I see the articles flowing nonstop into our office, I am continually astounded at the breadth of our field and the creative new directions being taken by investigators from across the globe. As illustrated by the art gracing the covers of each of our issues (some selections reproduced in Figure 1), the chemistry reported in our pages features molecules and materials with beautiful structures, unusual properties, and intriguing roles in wide-ranging processes, such as catalysis, sensing, and activation of bonds between atoms from across the periodic table. We continue to be more selective in highlighting the best work in the field, and a number of indicators suggest that the impact of this work in the community of chemists remains high. For example, in 2014, 11 articles from *Inorganic Chemistry* were selected for American Chemical Society (ACS) Editors' Choice (and published open access) on the basis of their significance and appeal. High download statistics warm my heart, and I suspect would also warm the hearts of authors; a quick glance at our Most Read list shows that inorganic chemistry related to energy storage and conversion, metal−organic frameworks, and sensing materials are among the many topics at the forefront of readers' minds. Recognizing that citations are a lagging indicator, the large number of total citations (>90000 in 2013) and strong impact factor (4.794 in 2013, Journal Citations Report, Thomson-Reuters®) of *Inorganic Chemistry* further illustrate that readers and practitioners across the field are paying attention to the work featured in our pages.

Special collections of articles in the journal focus increased attention on cutting-edge contemporary research topics and the emerging leaders in the field. Two Forums appeared in 2014, one on Imaging and Sensing (Guest Editors Chris Chang and Ken Raymond; http://pubs.acs.org/toc/inocaj/53/4) and the other on Insights into Spectroscopy and Reactivity from Electronic Structure Theory (Guest Editors Laura Gagliardi and Ed Solomon; http://pubs.acs.org/toc/inocaj/53/13), that complemented a symposium on related work at the ACS National Meeting in San Francisco. These Forums serve many purposes, including as educational tools, useful resources, and inspiration for future research. Keep an eye out in 2015 for an exciting new initiative, a multipart series of Forums on a single topic: "Small Molecule Activation: From Biological Principles to Energy Applications".

Collections of articles published in *Inorganic Chemistry* and other ACS journals also appear in virtual issues (now called "ACS Select Issues"). In 2014, Associate Editor Alan Balch organized one on "Inorganic Cages and Containers" (http://pubs.acs.org/page/inocaj/InorganicCagesandContainers.html) and Associate Editor Shiv Halasyamani led one that featured emerging authors in Solid-State Chemistry (http://pubs.acs.org/page/vi/2014/SolidStateChemistry.html). Editorial Advisory Board member Curtis Berlinguette will serve as guest editor of the next ACS Select Issue to appear in early 2015, on "Inorganic Chemistry Driving the Energy Sciences". We welcome ideas from you, our authors, readers, and reviewers, for future Forums and virtual issues, so we ensure that these reflect your interests (tolman@inorg.acs.org).

Attracting more readers and supporting the inorganic chemistry community remain ongoing goals, which we are addressing through support of symposia at meetings around the globe, social media, and collaboration with the ACS Division of Inorganic Chemistry (DIC; http://acsdic.org/wordpress/). We now automatically tweet every article that appears online from @InorgChem and urge you to follow us if you do not already (currently >2500 followers). You have probably noticed the *Inorganic Chemistry* banners in the hallways of ACS National Meetings, reflecting our support of discussions on all aspects of our field. Please post selfies taken in front of those banners on twitter with links to @InorgChem and #InorgChemRocks!

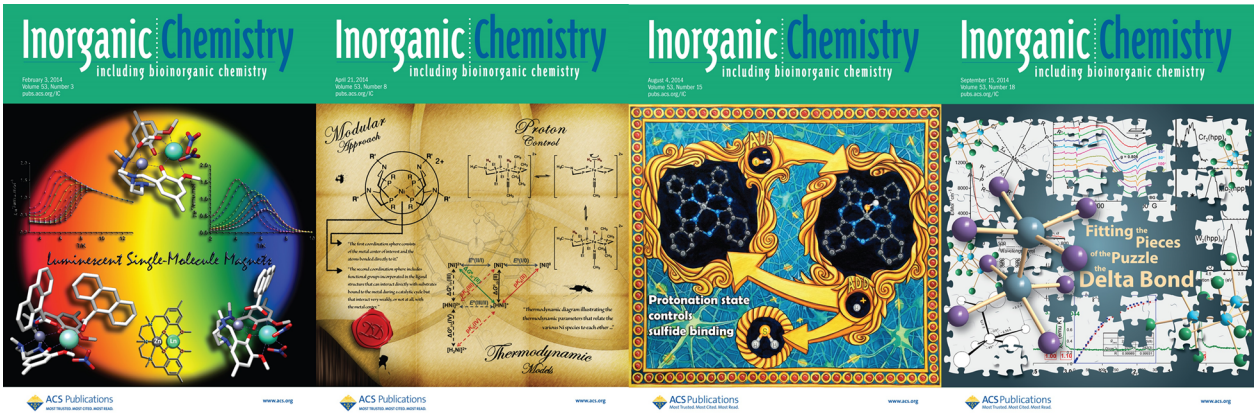

Figure 1. Selected covers from issues of *Inorganic Chemistry* published in 2014 (issues 3, 8, 15, and 18). To see all of the covers, go to http://pubs.acs.org/action/showCoverGallery?journalCode=inocaj.

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Figure 2. Participants at the Inorganic Chemistry Lectureship Award symposium held at the ACS National Meeting in San Francisco in honor of 2014 winner Jeff Long. From left to right: Mircea Dinca, T. David Harris, Omar Yaghi, Gary Long, Danna Freedman, Jeff Long, Hemamala Karunadasa, Debbie Crans (Chair, DIC), and William Tolman.

Figure 3. Retiring Associate Editors Edward I. Solomon and Vincent L. Pecoraro.

In partnership with the DIC, a symposium honoring the second winner of the Inorganic Chemistry Lectureship Award, Jeffrey Long of the University of California, Berkeley, was held at the ACS National Meeting in San Francisco. Large audiences listened to talks from his former students, friends, and his father Gary (Figure 2). The winner of the 2015 award will be announced soon.

There have been some notable changes in our team of Editors for the journal. Let me first express my heartfelt thanks on behalf of the entire *Inorganic Chemistry* team to Associate Editors Ed Solomon and Vince Pecoraro (Figure 3), both of whom have stepped down from their posts after many years of outstanding work (30 years for Ed and 21 years for Vince). Together, they handled thousands of manuscripts in service to our community. Please join me in expressing deep appreciation for their exceptional contributions. Much of the credit for the success of the journal over recent decades is due to their careful attention to detail, sage advice, and wise and fair decisions.

It is also my pleasure to announce two new Associate Editors, Professors Janet Morrow (University at Buffalo, The State University of New York, Buffalo, NY) and Frank Neese (Max Planck Institute for Chemical Energy Conversion, Muelheim an der Ruhr, Germany) (Figure 4).

Figure 4. New Associate Editors Janet Morrow and Frank Neese.

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Conversations with the new Associate Editors

W.B.T.: What is your favorite molecule and why?

J.M.: I have many favorites, but most are macrocyclic complexes of iron, cobalt, nickel, or lanthanide ions. Macrocycles give good control of coordination for binding and retaining the metal ion for in vitro and in vivo imaging applications.

F.N.: Tough question! I guess that would be the mixed-valence dicopper CuA site in nitrous oxide reductase. I spent a long time studying it during my Ph.D., and it led me to all the fascinating electronic structure questions and all the physical methods that have occupied my thinking ever since. In addition, it is a very pretty molecule with not quite but almost perfect symmetry, and it has a gorgeous color.

W.B.T.: What is your favorite instrument?

J.M.: An NMR spectrometer. It is such a powerful and versatile technique.

F.N.: Jazz guitars—they are beautifully handcrafted pieces of art, make sublime, complex sounds, and are fun to mess around with.

W.B.T.: Which famous chemist (living or dead) would you most like to meet and why?

J.M.: Ivano Bertini. Early in my career I heard him give a talk, but I never met him. His work on paramagnetic metal-ion complexes and metalloenzymes made such an important contribution to bioinorganic chemistry.

F.N.: Linus Pauling. His genius, curiosity, open mindedness, and warm-hearted personality would certainly make for a most interesting meeting.

W.B.T.: If you could be any piece of glassware, what would it be?

J.M.: An NMR tube.

F.N.: Ha ha, I guess that would be a dropped flask or a clogged funnel—after all I am a theoretician.

Janet Morrow earned her doctorate with J. L. Templeton at the University of North Carolina, Chapel Hill, in 1985 and was a postdoctoral fellow with D. Astruc (University of Bordeaux, Bordeaux, France), and W. C. Trogler (University of California, San Diego). She joined the faculty at the University at Buffalo in 1988, where she is currently Professor of Chemistry. Her research focuses on magnetic resonance imaging agents that are activated by changes in the pH, temperature, or redox environment, lanthanide luminescence, fluorescent sensors, and nucleic acid recognition by metal-ion complexes.

Frank Neese studied biology and earned his doctorate with P. Kroneck at the University of Konstanz, Konstanz, Germany, in 1997. He was a postdoctoral fellow with E. I. Solomon (Stanford University, Stanford, CA) from 1997 to 1999. Subsequently, he returned to Konstanz and finished his Habilitation in bioinorganic and theoretical chemistry in 2001 before becoming a group leader at the Max Planck Institute for radiation chemistry (later bioinorganic chemistry, now the MPI-CEC) in the department of K. Wieghardt. In 2006, he accepted the offer for the Chair of Theoretical Chemistry at the University of Bonn (Bonn, Germany) before moving back to Muelheim an der Ruhr as a director of the newly founded MPI-CEC in 2011. Frank's research interests are broad and include fundamental method development in theoretical chemistry, all aspects of transition-metal electronic structure, spectroscopy and reactivity, molecular magnetism, and bioinorganic chemistry.

Finally, on behalf of the entire editorial team, let me express sincere thanks to you, the readers, reviewers, and authors, who make our journal the leading venue for sharing our most exciting scientific discoveries. Here's to looking forward to another great year for *Inorganic Chemistry* in 2015!

William B. Tolman, Editor-in-Chief

AUTHOR INFORMATION

Notes

Views expressed in this editorial are those of the author and not necessarily the views of the ACS.

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