

JACS Perspectives

JACS Perspectives were initiated in 2009 to provide critical summaries of efforts in important research areas in chemistry. Nine JACS Perspectives have appeared to date, each submitted by invitation. These summaries, prepared by some of the most accomplished members of the chemical community, have been very well received. Initial Perspectives by Wu and Schultz¹ on synthesis at the interface of chemistry and biology; by Somorjai, Frei, and Park² summarizing innovative surface techniques leading to advances in nanocatalysis, biointerfaces, and renewable energy conversion; and by Shorokhov and Zewail³ on 4D electron imaging provided a strong start for this initiative in 2009. The following year three additional Perspectives appeared. These included a timely contribution by Genereux, Boal, and Barton⁴ summarizing efforts in the area of DNA-mediated charge transport in redox sensing and signaling; a Perspective by Walsh and Fischbach⁵ describing the effect on natural products research of connecting these compounds to the genes that encode them; and a Perspective on inner-sphere heterogeneous electrode reactions by Bard.⁶ Perspectives published in 2011 included a contribution from Olah, Prakash, and Goeppert⁷ on the anthropogenic carbon cycle, which addresses the challenge of carbon dioxide recycling. Beaujuge and Fréchet⁸ described studies in the area of organic electronics involving solution-processable π -conjugated polymers and small molecules which are proving particularly promising in field-effect transistors and bulk heterojunction solar cells. The most recent Perspective appeared earlier this year from the Mirkin laboratory,⁹ describing the development of spherical nucleic acid conjugates and other three-dimensional nucleic acid nanostructures.

JACS Perspectives have been among the most highly viewed and most frequently cited publications in the Journal since their introduction in 2009. As a consequence of the favorable reception of these submissions by the readership, the Editors wish to increase the frequency of appearance of Perspectives and will correspondingly increase the number of invitations. The inclusion of Perspectives from successful younger scientists who have made significant contributions to important areas of chemical research is a priority and will be encouraged.

Additionally, the Editors believe that the readership would welcome Perspectives dealing with emerging areas of chemical research. Accordingly, some invitations will also focus on submissions in areas deemed to provide coverage of exciting new opportunities in chemical research. For such Perspectives, the chemical community is encouraged to provide suggestions for possible areas of focus. These should be submitted to the Editor in the form of a one-page outline, providing a proposed title, a brief summary of the intended focus of the Perspective, and an enumeration of the specific topics to be covered. The target date for submission should also be indicated. It is anticipated that many of these proposed topics will be of interest, and the preparation and submission of these Perspectives will be encouraged by the Editors. In common with all other submissions to the Journal, Perspectives are

subject to review and acceptance by the Editors, with advice from reviewers chosen by the Editors.

It is hoped that the increased scope and frequency of appearance of JACS Perspectives will further enhance the utility of the Journal to its readership.

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