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American Chemistry Society



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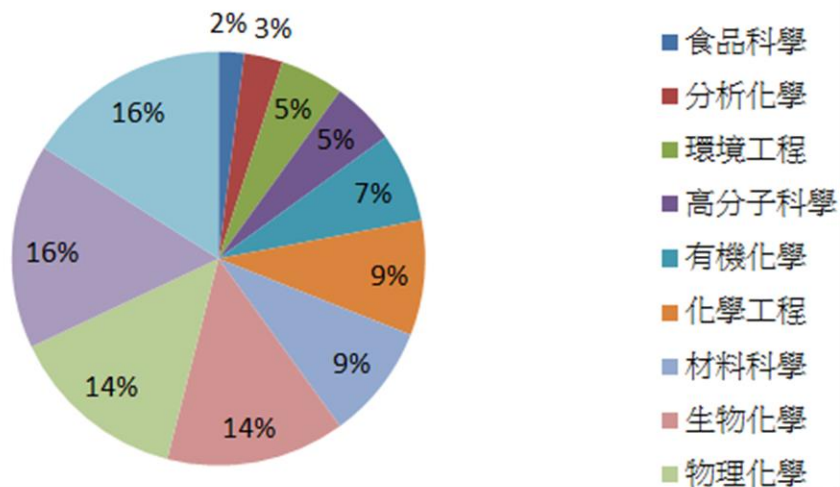
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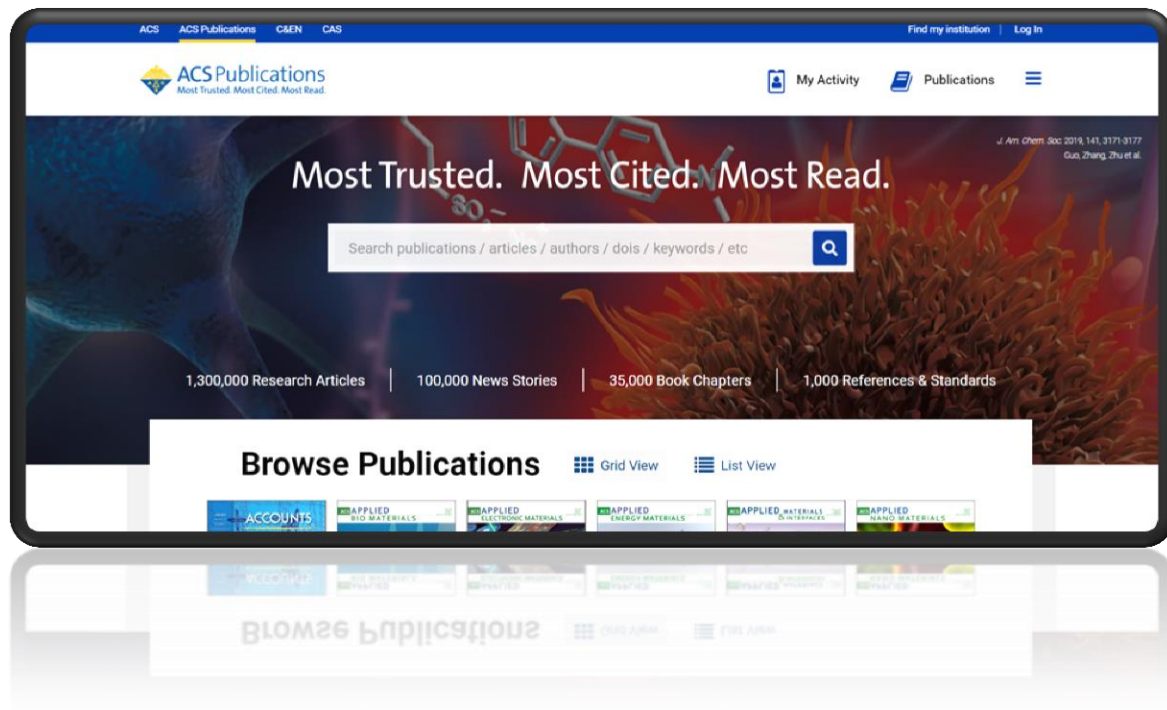
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Joshua S. Apte*, Michael Brauer, Aaron J. Cohen, Mark Ezzamel, and G. Carter Pope

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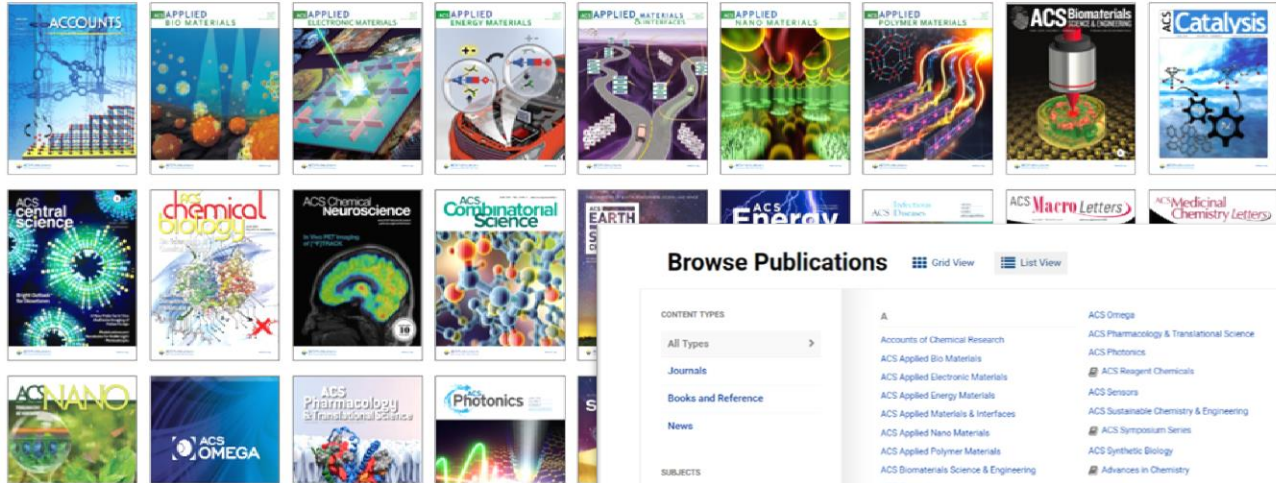
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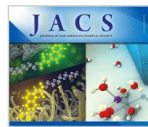


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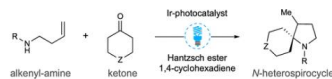
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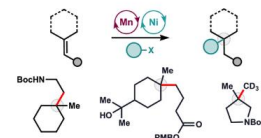
Nils J. Flodén, ... and Matthew J. Gaunt*

May 9, 2019



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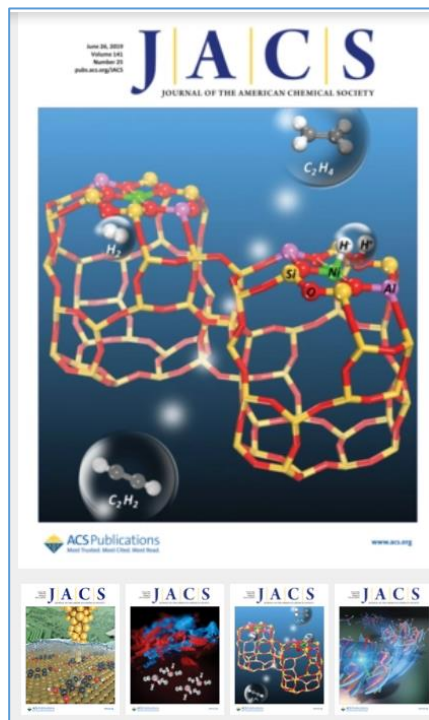


Hydroalkylation of Olefins To Form Quaternary Carbons

Samantha A. Green, ... and Ryan A. Shenvi*

April 29, 2019

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June 26, 2019
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Disphenoidal Zero-Dimensional Lead, Tin, and Germanium Halides: Highly Emissive Singlet and Triplet Self-Trapped Excitons and X-ray Scintillation

Viktoriia Morad, Yevhen Shynkarenko, Sergii Yakunin, Alexandra Brumberg, Richard D. Schaller, and Maksym V. Kovalenko*

Journal of the American Chemical Society 2019, 141, 25, 9764-9768 (Communication)
Publication Date (Web): June 17, 2019

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^ ABSTRACT

Low-dimensional metal halides have been researched as optoelectronic materials for the past two decades. Zero-dimensional halides of ns² elements (Sn, Pb, Sb) have recently gained attention as highly efficient broadband light emitters. These compounds comprise discrete metal halide centers, isolated by bulky organic cations. Herein, we report isostructural halide complexes of Ge(II), Sn(II), and Pb(II) with a 1-butyl-1-methyl-piperidinium cation (Bmpip), featuring unusual disphenoidal coordination with a highly stereoactive lone pair. Spectrally broad,



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Viktoriia Morad, Yevhen Shynkarenko, Sergii Yakunin, Alexandra Brumberg, Richard D. Schaller and Maksym V. Kovalenko*

Cite This: *J. Am. Chem. Soc.* 2019, 141, 25, 9764-9768
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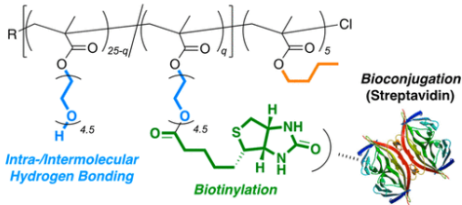


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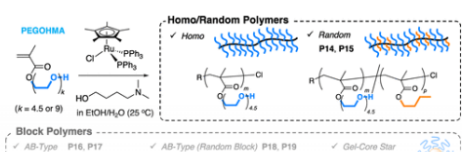
micelles and polymersomes in water,^(15–17) polymeric catalysts and scavengers,^(18–20) protein stabilizers,^(21–24) and nanocarriers in drug delivery systems (DDS).^(25–28) In particular, poly(ethylene glycol) methyl ether methacrylate (PEGMA) can be polymerized via living radical polymerization (LRP) with a narrow molecular weight distribution (MWD), resulting in the preparation of well-controlled random, block, and star

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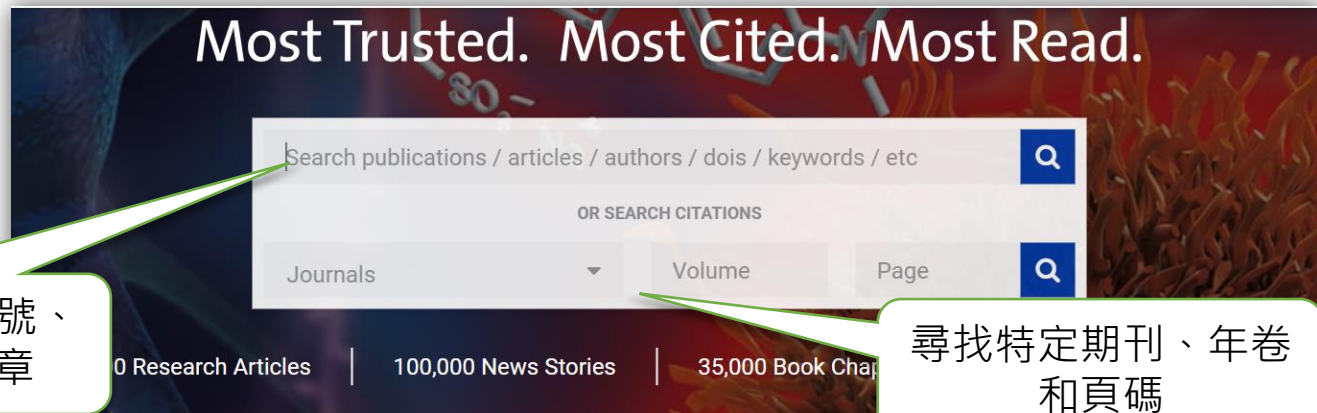


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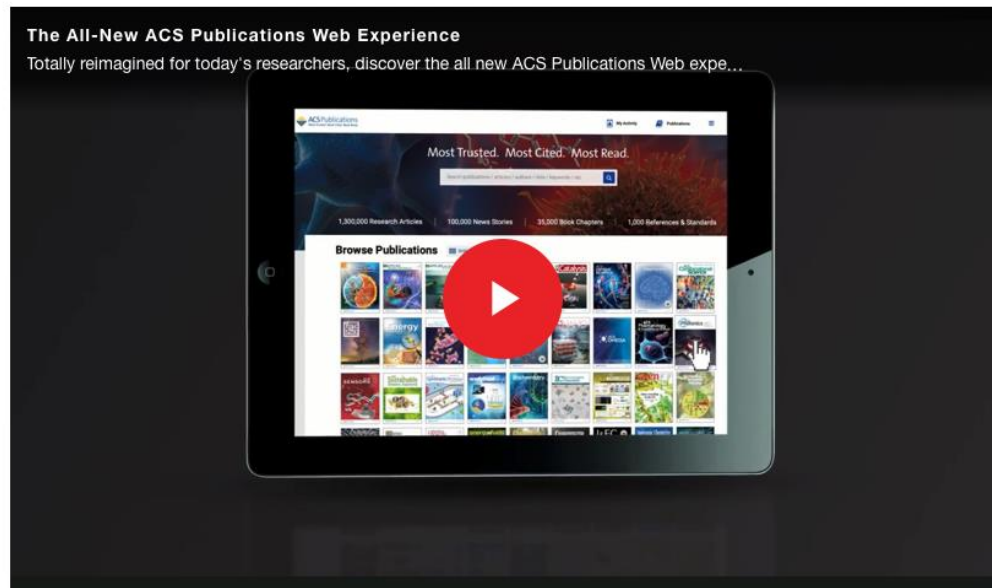
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