Xiao Cheng Zeng Bibliography (April 2016)

Xiao Cheng Zeng

University of Nebraska-Lincoln, xzeng1@unl.edu

Follow this and additional works at: http://digitalcommons.unl.edu/chemzeng

Part of the Physical Chemistry Commons

http://digitalcommons.unl.edu/chemzeng/121

This Article is brought to you for free and open access by the Published Research - Department of Chemistry at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Xiao Cheng Zeng Publications by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.
Xiao Cheng Zeng Bibliography (April 2016)

Summary Table of Major Publications (397)

<table>
<thead>
<tr>
<th>High-Profile Journals (Impact-Factor &gt;7.5)</th>
<th>Number</th>
<th>Other High-impact Journals (Impact-Factor&gt;5)</th>
<th>Number</th>
<th>High-quality Physical Chemistry, Physics, Nanoscience Journals</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nature</td>
<td>2</td>
<td>ACS Catalysis</td>
<td>5</td>
<td>J. Chem. Phys.</td>
<td>89</td>
</tr>
<tr>
<td>Science</td>
<td>1</td>
<td>Chemistry of Materials</td>
<td>2</td>
<td>J. Phys. Chem. A/B/C</td>
<td>45</td>
</tr>
<tr>
<td>J. Am. Chem. Soc. (JACS)</td>
<td>41</td>
<td>ACS Appl. Mater. &amp; Inter.</td>
<td>2</td>
<td>Langmuir</td>
<td>2</td>
</tr>
<tr>
<td>Nano Letters</td>
<td>11</td>
<td>Advanced Science</td>
<td>1</td>
<td>RSC Advances</td>
<td>5</td>
</tr>
<tr>
<td>Advanced Materials</td>
<td>4</td>
<td>Nano Research</td>
<td>3</td>
<td>Nanotechnology</td>
<td>1</td>
</tr>
<tr>
<td>ACS Nano</td>
<td>16</td>
<td>Organic Lett.</td>
<td>3</td>
<td>Chem. Phys. Lett.</td>
<td>8</td>
</tr>
<tr>
<td>Energy &amp; Environ. Science</td>
<td>1</td>
<td>Scientific Reports</td>
<td>3</td>
<td>J. Appl. Phys.</td>
<td>2</td>
</tr>
<tr>
<td>Acc. Chem. Res.</td>
<td>1</td>
<td>Mol. Simulation</td>
<td>4</td>
<td>Microfluidic Nanofluidic</td>
<td>1</td>
</tr>
<tr>
<td><strong>total</strong></td>
<td><strong>110</strong></td>
<td><strong>total</strong></td>
<td><strong>75</strong></td>
<td><strong>total</strong></td>
<td><strong>212</strong></td>
</tr>
</tbody>
</table>
News Media Featuring Publications (31)

I. Publications on Nano Ice, Water, Hydrophobic Interactions (16)


II. Publications on Gold Clusters and Other Nanostructures (15)


Publications on Au Clusters (51)


Publications on Solar Cell, H₂ Storage, CO₂ Storage Research (13)


## Publications in Nano Science (115)


### Publications on Si Clusters (18)

[12 Citations] S. Yoo, N. Shao, and X.C. Zeng, "Structures and relative stability of medium and large-sized silicon clusters VI. Fullerene cage motifs for low-lying clusters Si$_{39}$, Si$_{40}$, Si$_{50}$, Si$_{60}$, Si$_{70}$ and Si$_{80}$," *J. Chem. Phys.* 128, 104316 (2008).


Y. Pei and X.C. Zeng, "Exohedral Silicon Fullerenes: Si$_{60}$Pn$_{60}$ and Si$_{80}$Pn$_{80}$ (Pn = P,As,Sb and Bi)," *J. Clust. Sci.* 22, 343-354 (2011).

N. Shao, S. Bulusu, and X.C. Zeng, "Search for lowest energy structure of Zintl dianion Si\textsubscript{12}\textsuperscript{2-}, Ge\textsubscript{12}\textsuperscript{2-}, and Sn\textsubscript{12}\textsuperscript{2-}," *J. Chem. Phys.* **128**, 154326 (2008).


**Publications on Ag, Al, B, C, Ge, H\textsubscript{2}O, Organic Molecule Clusters (45)**


Y. Gao, N. Shao and X.C. Zeng, "Medium-Sized Double Magic Metal Clusters: Al@Cu\textsubscript{54} and Al@Ag\textsubscript{54}," *J. Chem. Phys.* **129**, 084703 (2008).


Publications on Interfaces/Phase Transition/Liquids (110)


11 Most Cited Graduate/Postdoc Publications on Interfaces/Nucleation/Phase Transition/Composites


Return to X.C. Zeng's Home Page

Source: [http://phase2.unl.edu/~xczeng/pubs.html](http://phase2.unl.edu/~xczeng/pubs.html)