

# Zachary A Piazza

## List of Publications by Year in descending order

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13  
papers

2,838  
citations

687363

13  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1683  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bond-bending isomerism of Au <sub>2</sub> I <sub>3</sub> <sup>+</sup> : competition between covalent bonding and aurophilicity. <i>Chemical Science</i> , 2016, 7, 475-481.	7.4	16
2	B <sub>27</sub> <sup>-</sup> : Appearance of the smallest planar boron cluster containing a hexagonal vacancy. <i>Journal of Chemical Physics</i> , 2015, 142, 204305.	3.0	60
3	Planar hexagonal B <sub>36</sub> as a potential basis for extended single-atom layer boron sheets. <i>Nature Communications</i> , 2014, 5, 3113.	12.8	645
4	A photoelectron spectroscopy and ab initio study of the structures and chemical bonding of the B <sub>25</sub> <sup>+</sup> cluster. <i>Journal of Chemical Physics</i> , 2014, 141, 034303.	3.0	65
5	Observation of an all-boron fullerene. <i>Nature Chemistry</i> , 2014, 6, 727-731.	13.6	724
6	Complexes between Planar Boron Clusters and Transition Metals: A Photoelectron Spectroscopy and Ab Initio Study of CoB <sub>12</sub> <sup>+</sup> and RhB <sub>12</sub> <sup>+</sup> . <i>Journal of Physical Chemistry A</i> , 2014, 118, 8098-8105.	2.5	143
7	Understanding Boron through Size-Selected Clusters: Structure, Chemical Bonding, and Fluxionality. <i>Accounts of Chemical Research</i> , 2014, 47, 1349-1358.	15.6	474
8	A combined photoelectron spectroscopy and ab initio study of the quasi-planar B <sub>24</sub> <sup>-</sup> cluster. <i>Journal of Chemical Physics</i> , 2013, 139, 144307.	3.0	128
9	The electronic structure and chemical bonding in gold dihydride: AuH <sub>2</sub> <sup>+</sup> and AuH <sub>2</sub> . <i>Chemical Science</i> , 2012, 3, 3286.	7.4	49
10	Geometrical requirements for transition-metal-centered aromatic boron wheels: the case of VB <sub>10</sub> <sup>-</sup> . <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13663.	2.8	50
11	A photoelectron spectroscopy and <i>ab initio</i> study of B <sub>21</sub> <sup>-</sup> : Negatively charged boron clusters continue to be planar at 21. <i>Journal of Chemical Physics</i> , 2012, 136, 104310.	3.0	127
12	Transition-Metal-Centered Nine-Membered Boron Rings: M <sup>+</sup> B <sub>9</sub> and M <sup>+</sup> B <sub>9</sub> <sup>+</sup> (M = Rh, Ir). <i>Journal of the American Chemical Society</i> , 2012, 134, 165-168.	13.7	157
13	B <sub>22</sub> <sup>+</sup> and B <sub>23</sub> <sup>+</sup> : All-Boron Analogues of Anthracene and Phenanthrene. <i>Journal of the American Chemical Society</i> , 2012, 134, 18065-18073.	13.7	198