

# Sheikha Lardhi

## List of Publications by Year in descending order

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10  
papers

368  
citations

1039406

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1372195

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all docs

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docs citations

10  
times ranked

587  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing Charge Carrier Lifetime in Metal Oxide Photoelectrodes through Mild Hydrogen Treatment. <i>Advanced Energy Materials</i> , 2017, 7, 1701536.	10.2	104
2	Determination of the electronic, dielectric, and optical properties of sillenite Bi <sub>12</sub> TiO <sub>20</sub> and perovskite-like Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> materials from hybrid first-principle calculations. <i>Journal of Chemical Physics</i> , 2016, 144, 134702.	1.2	45
3	Significant Impact of Exposed Facets on the BiVO <sub>4</sub> Material Performance for Photocatalytic Water Splitting Reactions. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5497-5503.	2.1	44
4	Enhanced Carrier Transport and Bandgap Reduction in Sulfur-Modified BiVO <sub>4</sub> Photoanodes. <i>Chemistry of Materials</i> , 2018, 30, 8630-8638.	3.2	39
5	Impact of Interfacial Defects on the Properties of Monolayer Transition Metal Dichalcogenide Lateral Heterojunctions. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1664-1669.	2.1	34
6	Combined experimental and theoretical study of the optoelectronic properties of non-stoichiometric pyrochlore bismuth titanate. <i>Journal of Materials Chemistry C</i> , 2015, 3, 12032-12039.	2.7	29
7	Determination of the Intrinsic Defect at the Origin of Poor H <sub>2</sub> Evolution Performance of the Monoclinic BiVO <sub>4</sub> Photocatalyst Using Density Functional Theory. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18204-18211.	1.5	28
8	Nature of Nitrogen Incorporation in BiVO <sub>4</sub> Photoanodes through Chemical and Physical Methods. <i>Solar Rrl</i> , 2020, 4, 1900290.	3.1	23
9	Ab initio assessment of Bi <sub>1-x</sub> RE <sub>x</sub> CuOS (RE = La, Gd, Y, Lu) solid solutions as a semiconductor for photochemical water splitting. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12321-12330.	1.3	21
10	Solar Water Splitting: Enhancing Charge Carrier Lifetime in Metal Oxide Photoelectrodes through Mild Hydrogen Treatment ( <i>Adv. Energy Mater.</i> 22/2017). <i>Advanced Energy Materials</i> , 2017, 7, .	10.2	1