

# Jia Zhu

## List of Publications by Year in descending order

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19  
papers

890  
citations

933447

10  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1283  
citing authors

#	ARTICLE	IF	CITATIONS
1	High Pt-like activity of the Ni@Mo/graphene catalyst for hydrogen evolution from hydrolysis of ammonia borane. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8579-8583.	10.3	234
2	A DFT study of transition metal (Fe, Co, Ni, Cu, Ag, Au, Rh, Pd, Pt and Ir)-embedded monolayer MoS <sub>2</sub> for gas adsorption. <i>Computational Materials Science</i> , 2017, 138, 255-266.	3.0	195
3	Nanofibers with diameter below one nanometer from electrospinning. <i>RSC Advances</i> , 2018, 8, 4794-4802.	3.6	117
4	First-principles investigations of metal (V, Nb, Ta)-doped monolayer MoS <sub>2</sub> : Structural stability, electronic properties and adsorption of gas molecules. <i>Applied Surface Science</i> , 2017, 419, 522-530.	6.1	104
5	High selectivity of sulfur-doped SnO <sub>2</sub> in NO <sub>2</sub> detection at lower operating temperatures. <i>Nanoscale</i> , 2018, 10, 20761-20771.	5.6	68
6	Structural and Electronic Properties of a W <sub>3</sub> O <sub>9</sub> Cluster Supported on the TiO <sub>2</sub> (110) Surface. <i>Journal of Physical Chemistry C</i> , 2009, 113, 17509-17517.	3.1	34
7	Structural and electronic properties of tungsten trioxides: from cluster to solid surface. <i>Theoretical Chemistry Accounts</i> , 2011, 130, 103-114.	1.4	28
8	Enhanced Oxidation Reactivity of WO <sub>3</sub> (001) Surface through the Formation of Oxygen Radical Centers. <i>Journal of Physical Chemistry C</i> , 2012, 116, 5067-5075.	3.1	27
9	Tuning the Charge State of (WO <sub>3</sub> ) <sub>3</sub> Nanoclusters Deposited on MgO/Ag(001) Films. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17668-17675.	3.1	18
10	Novel iridium complexes as yellow phosphorescent emitters for single-layer yellow and white polymer light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6626-6633.	5.5	13
11	The structural, electronic and catalytic properties of Au <sub>n</sub> (n = 1-4) nanoclusters on monolayer MoS <sub>2</sub> . <i>RSC Advances</i> , 2017, 7, 42529-42540.	3.6	10
12	Deposition of (WO <sub>3</sub> ) <sub>3</sub> nanoclusters on the MgO(001) surface: A possible way to identify the charge states of the defect centers. <i>Journal of Chemical Physics</i> , 2013, 138, 034711.	3.0	9
13	Deposition of Nonstoichiometric Tungsten Oxides on the TiO <sub>2</sub> (110) Surface: A Possible Way to Stabilize the Unstable Clusters in the Gas Phase. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15335-15344.	3.1	8
14	Effects of Ti doping at the reduced SnO <sub>2</sub> (110) surface with different oxygen vacancies: a first principles study. <i>Theoretical Chemistry Accounts</i> , 2012, 131, 1.	1.4	6
15	Properties of two-dimensional insulators: A DFT study of bimetallic oxide CrW <sub>2</sub> O <sub>9</sub> clusters adsorption on MgO ultrathin films. <i>Applied Surface Science</i> , 2016, 379, 213-222.	6.1	5
16	Tuning the charge states of CrW <sub>2</sub> O <sub>9</sub> clusters deposited on perfect and defective MgO(001) surfaces with different color centers: A comprehensive DFT study. <i>Journal of Chemical Physics</i> , 2016, 144, 174706.	3.0	4
17	Synthesis of Ditetrahydrofurfuryl Carbonate as a Fuel Additive Catalyzed by Aminopolycarboxylate Ionic Liquids. <i>Catalysis Letters</i> , 2017, 147, 1347-1354.	2.6	4
18	A DFT study of (WO <sub>3</sub> ) <sub>3</sub> nanoclusters adsorption on defective MgO ultrathin films on Ag(001). <i>RSC Advances</i> , 2017, 7, 54091-54099.	3.6	3

#	ARTICLE	IF	CITATIONS
19	Molecular-Level Insights into Unique Behavior of Water Molecules Confined in the Heterojunction between One- and Two-Dimensional Nanochannels. Langmuir, 2022, 38, 7300-7311.	3.5	3