

Fenggong Wang

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,340
citations

394286

19
h-index

477173

29
g-index

31
all docs

31
docs citations

31
times ranked

4075
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferroelectric Domain Wall Induced Band Gap Reduction and Charge Separation in Organometal Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 693-699.	2.1	293
2	Electronic and Structural Properties of WO_3 : A Systematic Hybrid DFT Study. <i>Journal of Physical Chemistry C</i> , 2011, 115, 8345-8353.	1.5	250
3	Shift current bulk photovoltaic effect in polar materials—hybrid and oxide perovskites and beyond. <i>Npj Computational Materials</i> , 2016, 2, .	3.5	246
4	Doping of WO_3 for Photocatalytic Water Splitting: Hints from Density Functional Theory. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8901-8909.	1.5	241
5	First-Principles Calculation of the Bulk Photovoltaic Effect in $\text{CH}_3\text{NH}_3\text{PbI}_3$ and $\text{CH}_3\text{NH}_3\text{PbI}_3\text{Cl}$. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 31-37.	2.1	177
6	Semiconductor-to-metal transition in WO_3 Nature of the oxygen vacancy. <i>Physical Review B</i> , 2011, 84, .	1.1	136
7	Rational Band Gap Engineering of WO_3 Photocatalyst for Visible light Water Splitting. <i>ChemCatChem</i> , 2012, 4, 476-478.	1.8	134
8	Band gap engineering strategy via polarization rotation in perovskite ferroelectrics. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	129
9	Polarization Dependence of Water Adsorption to $\text{CH}_3\text{NH}_3\text{PbI}_3$ (001) Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4371-4378.	2.1	111
10	Magnetism in undoped MgO studied by density functional theory. <i>Physical Review B</i> , 2009, 80, .	1.1	106
11	DFT Study of Hydrogen Adsorption On the Monoclinic WO_3 (001) Surface. <i>Journal of Physical Chemistry C</i> , 2012, 116, 10672-10679.	1.5	85
12	Tungsten Oxide in Catalysis and Photocatalysis: Hints from DFT. <i>Topics in Catalysis</i> , 2013, 56, 1404-1419.	1.3	74
13	Substantial bulk photovoltaic effect enhancement via nanolayering. <i>Nature Communications</i> , 2016, 7, 10419.	5.8	62
14	First-principles calculation of the bulk photovoltaic effect in KNbO_3 and $(\text{K,Ba})(\text{Ni,Nb})\text{Zn}_2\text{O}_7$. <i>Physical Review B</i> , 2014, 89, .	1.1	53
15	into KNbO_3 and polarization rotation. <i>Physical Review B</i> , 2014, 89, .	1.1	45
16	Theoretical study of the magnetic interaction of Cr-doped ZnO with and without vacancies. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 3067-3070.	1.0	34
17	Materials Design of Visible-Light Ferroelectric Photovoltaics from First Principles. <i>Ferroelectrics</i> , 2015, 483, 1-12.	0.3	27
18	Semiconducting ferroelectric perovskites with intermediate bands via Bi -site Bi_5O_{15} . <i>Physical Review B</i> , 2014, 90, .	1.1	23

#	ARTICLE	IF	CITATIONS
19	Origin of magnetism in undoped MoO_3 by first-principles calculations. Physical Review B, 2010, 81, .		
20	Magnetism in Co-doped tris-8-hydroxyquinoline aluminum studied by first-principles calculations. Applied Physics Letters, 2010, 96, 053304.	1.5	16
21	Structure of Co-Doped Alq3 Thin Films Investigated by Grazing Incidence X-ray Absorption Fine Structure and Fourier Transform Infrared Spectroscopy. Journal of Physical Chemistry A, 2011, 115, 880-883.	1.1	13
22	Magnetic properties of tris(8-hydroxyquinoline)iron: Experimental and theoretical investigation. Applied Physics Letters, 2011, 99, .	1.5	12
23	Can a Photosensitive Oxide Catalyze Decomposition of Energetic Materials?. Journal of Physical Chemistry C, 2017, 121, 1153-1161.	1.5	12
24	Surface Chemically Switchable Ultraviolet Luminescence from Interfacial Two-Dimensional Electron Gas. Nano Letters, 2016, 16, 681-687.	4.5	11
25	Molecular and electronic structures of Mn-doped tris-8-hydroxyquinolate gallium: DFT calculation and experiment. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1470-1474.	1.3	10
26	The structure of Mn-doped tris(8-hydroxyquinoline)gallium by extended x-ray absorption fine structure spectroscopy and first principles calculations. Journal of Applied Physics, 2012, 112, 113519.	1.1	5
27	Recruiting Perovskites to Degrade Toxic Trinitrotoluene. Materials, 2021, 14, 7387.	1.3	5
28	Positive Giant Magnetoresistance in $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3/\text{Alq}_3/\text{Co}$ Organic Spin-Valves. Journal of Superconductivity and Novel Magnetism, 2010, 23, 859-861.	0.8	4
29	Self-assembled tubular nanostructures of tris(8-quinolinolato)gallium(G_3). RSC Advances, 2015, 5, 77449-77453.	1.7	4
30	Cu-induced spin polarization in tris(8-hydroxyquinoline) aluminum. International Journal of Modern Physics B, 2015, 29, 1542010.	1.0	0