Fenggong Wang

List of Publications by Year
in descending order

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30	2,340	394286 19	477173 29
papers	citations	h-index	g-index

31	31	31	4075
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recruiting Perovskites to Degrade Toxic Trinitrotoluene. Materials, 2021, 14, 7387.	1.3	5
2	Can a Photosensitive Oxide Catalyze Decomposition of Energetic Materials?. Journal of Physical Chemistry C, 2017, 121, 1153-1161.	1.5	12
3	Shift current bulk photovoltaic effect in polar materialsâ€”hybrid and oxide perovskites and beyond. Npj Computational Materials, 2016, 2, .	3.5	246
4	Substantial bulk photovoltaic effect enhancement via nanolayering. Nature Communications, 2016, 7, 10419.	5.8	62
5	Surface Chemically Switchable Ultraviolet Luminescence from Interfacial Two-Dimensional Electron Gas. Nano Letters, 2016, 16, 681-687.	4.5	11
6	Ferroelectric Domain Wall Induced Band Gap Reduction and Charge Separation in Organometal Halide Perovskites. Journal of Physical Chemistry Letters, 2015, 6, 693-699.	2.1	293
7	First-principles calculation of the bulk photovoltaic effect in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">KNbO</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:math>and (K,Ba)(Ni,Nb)<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn><mml:mo>â^’</mml:mo><mml:mi>δ</mml:mi></	1.1	53
8	Polarization Dependence of Water Adsorption to CH₃NH₃PbI₃ (001) Surfaces. Journal of Physical Chemistry Letters, 2015, 6, 4371-4378.	2.1	111
9	Materials Design of Visible-Light Ferroelectric Photovoltaics from First Principles. Ferroelectrics, 2015, 483, 1-12.	0.3	27
10	Self-assembled tubular nanostructures of tris(8-quinolinolato)gallium(<scp>iii</scp>). RSC Advances, 2015, 5, 77449-77453.	1.7	4
11	Cu-induced spin polarization in tris(8-hydroxyquinoline) aluminum. International Journal of Modern Physics B, 2015, 29, 1542010.	1.0	0
12	First-Principles Calculation of the Bulk Photovoltaic Effect in CH₃NH₃PbI₃ and CH₃NH₃PbI_{3â€“x}Cl_x. Journal of Physical Chemistry Letters, 2015, 6, 31-37.	2.1	177
13	Band gap engineering strategy via polarization rotation in perovskite ferroelectrics. Applied Physics Letters, 2014, 104, .	1.5	129
14	Semiconducting ferroelectric photovoltaics through<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi mathvariant="normal">Zn</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:mat into<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">KNbO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>and polarization rotation. Physical Review B, 2014, 89, .	1.1	45
15	Semiconducting ferroelectric perovskites with intermediate bands via<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>B</mml:mi></mml:math>-site<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi mathvariant="normal">Bi</mml:mi><mml:mrow><mml:mn>5</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:mat Physical Review B, 2014, 90, .	1.1	23
16	Tungsten Oxide in Catalysis and Photocatalysis: Hints from DFT. Topics in Catalysis, 2013, 56, 1404-1419.	1.3	74
17	Doping of WO₃ for Photocatalytic Water Splitting: Hints from Density Functional Theory. Journal of Physical Chemistry C, 2012, 116, 8901-8909.	1.5	241
18	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

#	Article	IF	Citations
19	DFT Study of Hydrogen Adsorption On the Monoclinic WO₃ (001) Surface. Journal of Physical Chemistry C, 2012, 116, 10672-10679.	1.5	85
20	Rational Band Gap Engineering of WO₃ Photocatalyst for Visible light Water Splitting. ChemCatChem, 2012, 4, 476-478.	1.8	134
21	Structure of Co-Doped Alq3Thin 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	Electronic and Structural Properties of WO₃: A Systematic Hybrid DFT Study. Journal of Physical Chemistry C, 2011, 115, 8345-8353.	1.5	250
23	Semiconductor-to-metal transition in WO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>: Nature of the oxygen vacancy. Physical Review B, 2011, 84, .	1.1	136
24	Molecular and electronic structures of Mn-doped tris-8-hydroxyquinolinate gallium: DFT calculation and experiment. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1470-1474.	1.3	10
25	Magnetic properties of tris(8-hydroxyquinoline)iron: Experimental and theoretical investigation. Applied Physics Letters, 2011, 99, .	1.5	12
26	Positive Giant Magnetoresistance inÂLa0.67Sr0.33MnO3/Alq3/Co Organic Spin-Valves. Journal of Superconductivity and Novel Magnetism, 2010, 23, 859-861.	0.8	4
27	Magnetism in Co-doped tris-8-hydroxyquinoline aluminum studied by first-principles calculations. Applied Physics Letters, 2010, 96, 053304.	1.5	16
28	Origin of magnetism in undoped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>MoO</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:m by first-principles calculations. Physical Review B, 2010, 81, .	1.1	22
29	Theoretical study of the magnetic interaction of Cr-doped ZnO with and without vacancies. Journal of Magnetism and Magnetic Materials, 2009, 321, 3067-3070.	1.0	34
30	Magnetism in undoped MgO studied by density functional theory. Physical Review B, 2009, 80, .	1.1	106