Khuong P Ong

List of Publications by Year
in descending order

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28	2,027	304743	477307
papers	citations	22 h-index	29 g-index

29	29	29	3964
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ferroelectricity of CH₃NH₃PbI₃ Perovskite. Journal of Physical Chemistry Letters, 2015, 6, 1155-1161.	4.6	295
2	Analysis of the thermoelectric properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>n</mml:mi></mml:mrow></mml:math>-type ZnO. Physical Review B, 2011, 83, .	3.2	265
3	Stabilization of 4H hexagonal phase in gold nanoribbons. Nature Communications, 2015, 6, 7684.	12.8	215
4	Electrical conductivity and performance of doped LaCrO3 perovskite oxides for solid oxide fuel cells. Journal of Power Sources, 2008, 176, 82-89.	7.8	167
5	Strain effects on the band gap and optical properties of perovskite SrSnO3 and BaSnO3. Applied Physics Letters, 2014, 104, .	3.3	108
6	Electronic Structure and Optical Properties of AFeO2(A = Ag, Cu) within GGA Calculations. Chemistry of Materials, 2007, 19, 634-640.	6.7	95
7	Giant piezoelectricity in oxide thin films with nanopillar structure. Science, 2020, 369, 292-297.	12.6	86
8	Unusual Transport and Strongly Anisotropic Thermopower in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>PtCoO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>PdCoO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2010, 104, 176601.	7.8	82
9	Structural Evolution in Methylammonium Lead Iodide CH₃NH₃PbI₃. Journal of Physical Chemistry A, 2015, 119, 11033-11038.	2.5	66
10	Transparent conducting properties of SrSnO₃ and ZnSnO₃. APL Materials, 2015, 3, 062505.	5.1	65
11	Origin of the light green color and electronic ground state ofLaCrO3. Physical Review B, 2008, 77, .	3.2	63
12	Mechanical Origin of the Structural Phase Transition in Methylammonium Lead Iodide CH₃NH₃PbI₃. Journal of Physical Chemistry Letters, 2015, 6, 681-685.	4.6	63
13	Origin of a Tetragonal BiFeO₃ Phase with a Giant c/a Ratio on SrTiO₃ Substrates. Advanced Functional Materials, 2012, 22, 937-942.	14.9	61
14	Origin of anisotropy and metallic behavior in delafossite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>PdCoO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2010, 81, .	3.2	49
15	Perspective: n-type oxide thermoelectrics via visual search strategies. APL Materials, 2016, 4, .	5.1	42
16	Stable Ferroelectric Perovskite Structure with Giant Axial Ratio and Polarization in Epitaxial BiFe_{0.6}Ga_{0.4}O₃ Thin Films. ACS Applied Materials & Interfaces, 2015, 7, 2648-2653.	8.0	38
17	Enhanced photovoltaic effects and switchable conduction behavior in BiFe0.6Sc0.4O3 thin films. Acta Materialia, 2015, 88, 83-90.	7.9	37
18	Growth of centimeter-sized [(CH₃)₂NH₂][Mn(HCOO)₃] hybrid formate perovskite single crystals and Raman evidence of pressure-induced phase transitions. New Journal of Chemistry, 2017, 41, 151-159.	2.8	31

#	ARTICLE	IF	CITATIONS
19	Structural Instability of Epitaxial (001) BiFeO3 Thin Films under Tensile Strain. Scientific Reports, 2014, 4, 4631.	3.3	27
20	Optimization of electrical conductivity of LaCrO3 through doping: A combined study of molecular modeling and experiment. Applied Physics Letters, 2007, 90, 044109.	3.3	26
21	Multi Band Gap Electronic Structure in CH3NH3PbI3. Scientific Reports, 2019, 9, 2144.	3.3	26
22	Electronic properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>A</mml:mi></mml:math>-site substituted lead zirconate titanate: Density functional calculations. Physical Review B, 2007, 76, .	3.2	25
23	The Influence of Out-of-Plane Deformation on the Band Gap of Graphene Nanoribbons. Journal of Physical Chemistry C, 2010, 114, 12749-12753.	3.1	21
24	Realizing the semiconducting state of delafossite AgFeO2 by GGA+U calculations. Journal of Alloys and Compounds, 2008, 449, 366-370.	5.5	20
25	Relative effects of all chemical elements on the electrical conductivity of metal and alloys: An alternative to Norburyâ€“Linde rule. Journal of Alloys and Compounds, 2009, 478, 345-354.	5.5	15
26	Three-dimensional magnetism and coupling to the conduction electrons in PdCrO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2012, 85, .	3.2	14
27	Simultaneous reduction in leakage current and enhancement in magnetic moment in BiFeO₃ nanofibers via optimized Sn doping. Physica Status Solidi - Rapid Research Letters, 2014, 8, 653-657.	2.4	13
28	Origin of giant electric-field-induced strain in faulted alkali niobate films. Nature Communications, 2022, 13, .	12.8	11