Chunfeng Lan

List of Publications by Year
in descending order

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18	443	759233 12	839539 18
papers	citations	h-index	g-index

18	18	18	847
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation on structures, band gaps, and electronic structures of lead free La2NiMnO6 double perovskite materials for potential application of solar cell. Journal of Alloys and Compounds, 2016, 655, 208-214.	5.5	100
2	First-principles study of anion diffusion in lead-free halide double perovskites. Physical Chemistry Chemical Physics, 2018, 20, 24339-24344.	2.8	59
3	Effect of lead-free (CH3NH3)3Bi2I9 perovskite addition on spectrum absorption and enhanced photovoltaic performance of bismuth triiodide solar cells. Journal of Alloys and Compounds, 2017, 701, 834-840.	5.5	40
4	Highly Uniform Large-Area (100 cm2) Perovskite CH3NH3PbI3 Thin-Films Prepared by Single-Source Thermal Evaporation. Coatings, 2018, 8, 256.	2.6	39
5	Enhanced Charge Extraction of Li-Doped TiO2 for Efficient Thermal-Evaporated Sb2S3 Thin Film Solar Cells. Materials, 2018, 11, 355.	2.9	36
6	Lead-free formamidinium bismuth perovskites (FA)3Bi2I9 with low bandgap for potential photovoltaic application. Solar Energy, 2019, 177, 501-507.	6.1	36
7	Microstructural and Optical Properties of Sb₂S₃ Film Thermally Evaporated from Antimony Pentasulfide and Efficient Planar Solar Cells. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800025.	2.4	21
8	First principles analysis of oxygen vacancy formation and migration in Sr₂BMoO₆ (BÂ= Mg, Co, Ni). RSC Advances, 2016, 6, 31968-31975.	3.6	15
9	First-principles calculations of the oxygen-diffusion mechanism in mixed Fe/Ti perovskites for solid-oxide fuel cells. Ceramics International, 2019, 45, 17646-17652.	4.8	14
10	Oxygen vacancy formation and migration in double perovskite Sr₂CrMoO₆: a first-principles study. RSC Advances, 2016, 6, 43034-43040.	3.6	13
11	Aurivillius Halide Perovskite: A New Family of Two-Dimensional Materials for Optoelectronic Applications. Journal of Physical Chemistry C, 2020, 124, 1788-1793.	3.1	13
12	A first-principles study of the proton and oxygen migration behavior in the rare-earth perovskite SmNiO3. Journal of Computational Electronics, 2020, 19, 905-909.	2.5	12
13	Concentration gradient-controlled growth of large-grain CH₃NH₃PbI₃films and enhanced photovoltaic performance of solar cells under ambient conditions. CrystEngComm, 2016, 18, 9243-9251.	2.6	11
14	N,Nâ€‘dimethylformamide vapor effect on microstructural and optical properties of CH3NH3PbI3 film during solvent annealing. Surface and Coatings Technology, 2019, 359, 162-168.	4.8	11
15	Structural and optical properties of 2D Ruddlesdenâ€Popper perovskite (BA) 2 (FA) nâ^'1 Pb n I 3n+1 compounds for photovoltaic applications. Journal of the American Ceramic Society, 2019, 102, 4152-4160.	3.8	8
16	Microstructural and optical properties of HC(NH2)2PbI3 thin films prepared by single source thermal evaporation. Journal of Materials Science: Materials in Electronics, 2018, 29, 2267-2274.	2.2	6
17	Simultaneous Formation of CH3NH3PbI3 and electron transport layers using antisolvent method for efficient perovskite solar cells. Thin Solid Films, 2018, 660, 75-81.	1.8	6
18	Density functional study on electronic properties of transition metal-based vacancy-ordered halide perovskites. Chemical Physics Letters, 2020, 759, 138053.	2.6	3