

Chunfeng Lan

List of Publications by Year in descending order

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18
papers

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759233

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847
citing authors

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