

Graeme R Blake

List of Publications by Year in descending order

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papers

3,109
citations

331670

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times ranked

5887
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetocaloric effect and critical behavior in arylamine-based copper chloride layered organic-inorganic perovskite. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 542, 168598.	2.3	5
2	Elucidating the Structure and Photophysics of Layered Perovskites through Cation Fluorination. <i>Advanced Optical Materials</i> , 2021, 9, 2001647.	7.3	13
3	Polar Structure and Two-Dimensional Heisenberg Antiferromagnetic Properties of Arylamine-Based Manganese Chloride Layered Organic-Inorganic Perovskites. <i>Inorganic Chemistry</i> , 2021, 60, 15151-15158.	4.0	21
4	Tuning the Energetic Landscape of Ruddlesden-Popper Perovskite Films for Efficient Solar Cells. <i>ACS Energy Letters</i> , 2020, 5, 39-46.	17.4	47
5	Stable Cesium Formamidinium Lead Halide Perovskites: A Comparison of Photophysics and Phase Purity in Thin Films and Single Crystals. <i>Energy Technology</i> , 2020, 8, 1901041.	3.8	19
6	Negative Thermal Quenching in FASn ₃ Perovskite Single Crystals and Thin Films. <i>ACS Energy Letters</i> , 2020, 5, 2512-2519.	17.4	55
7	Dirac Nodal Arc Semimetal PtSn ₄ : An Ideal Platform for Understanding Surface Properties and Catalysis for Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13107-13112.	13.8	59
8	Dirac Nodal Arc Semimetal PtSn ₄ : An Ideal Platform for Understanding Surface Properties and Catalysis for Hydrogen Evolution. <i>Angewandte Chemie</i> , 2019, 131, 13241-13246.	2.0	28
9	Mechanism of surface passivation of methylammonium lead tribromide single crystals by benzylamine. <i>Applied Physics Reviews</i> , 2019, 6, 031401.	11.3	34
10	Enhancing the crystallinity and perfecting the orientation of formamidinium tin iodide for highly efficient Sn-based perovskite solar cells. <i>Nano Energy</i> , 2019, 60, 810-816.	16.0	140
11	Electronic mobility and crystal structures of 2,5-dimethylanilinium triiodide and tin-based organic-inorganic hybrid compounds. <i>Journal of Solid State Chemistry</i> , 2019, 270, 593-600.	2.9	9
12	Unravelling Light-Induced Degradation of Layered Perovskite Crystals and Design of Efficient Encapsulation for Improved Photostability. <i>Advanced Functional Materials</i> , 2018, 28, 1800305.	14.9	95
13	Micropatterned 2D Hybrid Perovskite Thin Films with Enhanced Photoluminescence Lifetimes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12878-12885.	8.0	38
14	Highly Reproducible Sn-Based Hybrid Perovskite Solar Cells with 9% Efficiency. <i>Advanced Energy Materials</i> , 2018, 8, 1702019.	19.5	726
15	Carbon-Tailored Semimetal MoP as an Efficient Hydrogen Evolution Electrocatalyst in Both Alkaline and Acid Media. <i>Advanced Energy Materials</i> , 2018, 8, 1801258.	19.5	111
16	Out-of-plane polarization in a layered manganese chloride hybrid. <i>APL Materials</i> , 2018, 6, .	5.1	13
17	Spin-singlet formation in the spin-tetramer layered organic-inorganic hybrid CH ₃ NH ₃ Cu ₂ Cl ₅ . <i>Physical Review Materials</i> , 2018, 2, .	2.4	0
18	Vacancies in functional materials for clean energy storage and harvesting: the perfect imperfection. <i>Chemical Society Reviews</i> , 2017, 46, 1693-1706.	38.1	234

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19	The Role of Connectivity on Electronic Properties of Lead Iodide Perovskite-Derived Compounds. <i>Inorganic Chemistry</i> , 2017, 56, 8408-8414.	4.0	83
20	Polar Nature of (CH ₃ NH ₃) ₃ Bi ₂ I ₉ Perovskite-Like Hybrids. <i>Inorganic Chemistry</i> , 2017, 56, 33-41.	4.0	58
21	Metal-Insulator Transition Induced by Spin Reorientation in Fe ₇ Se ₈ Grain Boundaries. <i>Inorganic Chemistry</i> , 2016, 55, 12912-12922.	4.0	19
22	Ultrahigh sensitivity of methylammonium lead tribromide perovskite single crystals to environmental gases. <i>Science Advances</i> , 2016, 2, e1600534.	10.3	304
23	Confinement Effects in Low-Dimensional Lead Iodide Perovskite Hybrids. <i>Chemistry of Materials</i> , 2016, 28, 4554-4562.	6.7	263
24	Band gap narrowing of SnS ₂ superstructures with improved hydrogen production. <i>Journal of Materials Chemistry A</i> , 2016, 4, 209-216.	10.3	56
25	Effect of Vacancies on Magnetism, Electrical Transport, and Thermoelectric Performance of Marcasite FeSe ₂ (̄ = 0.05). <i>Chemistry of Materials</i> , 2015, 27, 8220-8229.	6.7	26
26	Photophysics of Organic-Inorganic Hybrid Lead Iodide Perovskite Single Crystals. <i>Advanced Functional Materials</i> , 2015, 25, 2378-2385.	14.9	318
27	Self-Assembly of Ferromagnetic Organic-Inorganic Perovskite-Like Films. <i>Small</i> , 2014, 10, 4912-4919.	10.0	13
28	Low-frequency Raman study of the ferroelectric phase transition in a layered CuCl ₄ -based organic-inorganic hybrid. <i>Physical Review B</i> , 2014, 89, .	3.2	25
29	High-Purity Fe ₃ S ₄ Greigite Microcrystals for Magnetic and Electrochemical Performance. <i>Chemistry of Materials</i> , 2014, 26, 5821-5829.	6.7	97
30	Coexisting Ferromagnetic and Ferroelectric Order in a CuCl ₄ -based Organic-Inorganic Hybrid. <i>Chemistry of Materials</i> , 2012, 24, 133-139.	6.7	200