Graeme R Blake

List of Publications by Year
in descending order

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30	3,109	331670 21	477307 29
papers	citations	h-index	g-index

30	30	30	5887
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly Reproducible Snâ€Based Hybrid Perovskite Solar Cells with 9% Efficiency. Advanced Energy Materials, 2018, 8, 1702019.	19.5	726
2	Photophysics of Organicâ€“Inorganic Hybrid Lead Iodide Perovskite Single Crystals. Advanced Functional Materials, 2015, 25, 2378-2385.	14.9	318
3	Ultrahigh sensitivity of methylammonium lead tribromide perovskite single crystals to environmental gases. Science Advances, 2016, 2, e1600534.	10.3	304
4	Confinement Effects in Low-Dimensional Lead Iodide Perovskite Hybrids. Chemistry of Materials, 2016, 28, 4554-4562.	6.7	263
5	Vacancies in functional materials for clean energy storage and harvesting: the perfect imperfection. Chemical Society Reviews, 2017, 46, 1693-1706.	38.1	234
6	Coexisting Ferromagnetic and Ferroelectric Order in a CuCl₄-based Organicâ€“Inorganic Hybrid. Chemistry of Materials, 2012, 24, 133-139.	6.7	200
7	Enhancing the crystallinity and perfecting the orientation of formamidinium tin iodide for highly efficient Sn-based perovskite solar cells. Nano Energy, 2019, 60, 810-816.	16.0	140
8	Carbonâ€Tailored Semimetal MoP as an Efficient Hydrogen Evolution Electrocatalyst in Both Alkaline and Acid Media. Advanced Energy Materials, 2018, 8, 1801258.	19.5	111
9	High-Purity Fe₃S₄ Greigite Microcrystals for Magnetic and Electrochemical Performance. Chemistry of Materials, 2014, 26, 5821-5829.	6.7	97
10	Unravelling Lightâ€Induced Degradation of Layered Perovskite Crystals and Design of Efficient Encapsulation for Improved Photostability. Advanced Functional Materials, 2018, 28, 1800305.	14.9	95
11	The Role of Connectivity on Electronic Properties of Lead Iodide Perovskite-Derived Compounds. Inorganic Chemistry, 2017, 56, 8408-8414.	4.0	83
12	Dirac Nodal Arc Semimetal PtSn₄: An Ideal Platform for Understanding Surface Properties and Catalysis for Hydrogen Evolution. Angewandte Chemie - International Edition, 2019, 58, 13107-13112.	13.8	59
13	Polar Nature of (CH₃NH₃)₃Bi₂I₉ Perovskite-Like Hybrids. Inorganic Chemistry, 2017, 56, 33-41.	4.0	58
14	Band gap narrowing of SnS₂superstructures with improved hydrogen production. Journal of Materials Chemistry A, 2016, 4, 209-216.	10.3	56
15	Negative Thermal Quenching in FASnI₃ Perovskite Single Crystals and Thin Films. ACS Energy Letters, 2020, 5, 2512-2519.	17.4	55
16	Tuning the Energetic Landscape of Ruddlesdenâ€“Popper Perovskite Films for Efficient Solar Cells. ACS Energy Letters, 2020, 5, 39-46.	17.4	47
17	Micropatterned 2D Hybrid Perovskite Thin Films with Enhanced Photoluminescence Lifetimes. ACS Applied Materials & Interfaces, 2018, 10, 12878-12885.	8.0	38
18	Mechanism of surface passivation of methylammonium lead tribromide single crystals by benzylamine. Applied Physics Reviews, 2019, 6, 031401.	11.3	34

#	Article	IF	Citations
19	Dirac Nodal Arc Semimetal PtSn₄: An Ideal Platform for Understanding Surface Properties and Catalysis for Hydrogen Evolution. Angewandte Chemie, 2019, 131, 13241-13246.	2.0	28
20	Effect of Vacancies on Magnetism, Electrical Transport, and Thermoelectric Performance of Marcasite FeSe_{2â^'Î´} (Î´ = 0.05). Chemistry of Materials, 2015, 27, 8220-8229.	6.7	26
21	Low-frequency Raman study of the ferroelectric phase transition in a layered<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="bold">CuCl</mml:mi><mml:mn mathvariant="bold">4</mml:mn></mml:msub></mml:math>-based organic-inorganic hybrid. Physical Review B, 2014, 89, .	3.2	25
22	Polar Structure and Two-Dimensional Heisenberg Antiferromagnetic Properties of Arylamine-Based Manganese Chloride Layered Organicâ€“Inorganic Perovskites. Inorganic Chemistry, 2021, 60, 15151-15158.	4.0	21
23	Metalâ€“Insulator Transition Induced by Spin Reorientation in Fe₇Se₈ Grain Boundaries. Inorganic Chemistry, 2016, 55, 12912-12922.	4.0	19
24	Stable Cesium Formamidinium Lead Halide Perovskites: A Comparison of Photophysics and Phase Purity in Thin Films and Single Crystals. Energy Technology, 2020, 8, 1901041.	3.8	19
25	Selfâ€Assembly of Ferromagnetic Organicâ€“Inorganic Perovskiteâ€Like Films. Small, 2014, 10, 4912-4919.	10.0	13
26	Out-of-plane polarization in a layered manganese chloride hybrid. APL Materials, 2018, 6, .	5.1	13
27	Elucidating the Structure and Photophysics of Layered Perovskites through Cation Fluorination. Advanced Optical Materials, 2021, 9, 2001647.	7.3	13
28	Electronic mobility and crystal structures of 2,5-dimethylanilinium triiodide and tin-based organic-inorganic hybrid compounds. Journal of Solid State Chemistry, 2019, 270, 593-600.	2.9	9
29	Magnetocaloric effect and critical behavior in arylamine-based copper chloride layered organic-inorganic perovskite. Journal of Magnetism and Magnetic Materials, 2022, 542, 168598.	2.3	5
30	Spin-singlet formation in the spin-tetramer layered organic-inorganic hybridCH3NH3Cu2Cl5. Physical Review Materials, 2018, 2, .	2.4	0