

Rhiannon M Kennard

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,726
citations

686830

13
h-index

794141

19
g-index

19
all docs

19
docs citations

19
times ranked

4252
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoporous silicon sponge as an anti-pulverization structure for high-performance lithium-ion battery anodes. <i>Nature Communications</i> , 2014, 5, 4105.	5.8	1,160
2	Chemical and Structural Diversity of Hybrid Layered Double Perovskite Halides. <i>Journal of the American Chemical Society</i> , 2019, 141, 19099-19109.	6.6	144
3	Seven-Layered 2D Hybrid Lead Iodide Perovskites. <i>CheM</i> , 2019, 5, 2593-2604.	5.8	79
4	Understanding Instability in Formamidinium Lead Halide Perovskites: Kinetics of Transformative Reactions at Grain and Subgrain Boundaries. <i>ACS Energy Letters</i> , 2022, 7, 1534-1543.	8.8	45
5	Controlling Solvate Intermediate Growth for Phase-Pure Organic Lead Iodide Ruddlesden-Popper ($\text{C}_4\text{H}_9\text{NH}_3)_2(\text{CH}_3\text{NH}_3)_3\text{PbI}_5$ Perovskite Thin Films. <i>Chemistry of Materials</i> , 2019, 31, 5832-5844.		
6	Dynamic Motion of Organic Spacer Cations in Ruddlesden-Popper Lead Iodide Perovskites Probed by Solid-State NMR Spectroscopy. <i>Chemistry of Materials</i> , 2021, 33, 642-656.	3.2	33
7	Phase Stability and Diffusion in Lateral Heterostructures of Methyl Ammonium Lead Halide Perovskites. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25313-25321.	4.0	32
8	Phase Intergrowth and Structural Defects in Organic Metal Halide Ruddlesden-Popper Thin Films. <i>Chemistry of Materials</i> , 2018, 30, 8615-8623.	3.2	29
9	Optical Constants and Effective-Medium Origins of Large Optical Anisotropies in Layered Hybrid Organic/Inorganic Perovskites. <i>ACS Nano</i> , 2019, 13, 10745-10753.	7.3	24
10	Bright magnetic dipole radiation from two-dimensional lead-halide perovskites. <i>Science Advances</i> , 2020, 6, eaay4900.	4.7	24
11	Even-Parity Self-Trapped Excitons Lead to Magnetic Dipole Radiation in Two-Dimensional Lead Halide Perovskites. <i>ACS Nano</i> , 2020, 14, 8958-8968.	7.3	23
12	Structural Evolution of Layered Hybrid Lead Iodide Perovskites in Colloidal Dispersions. <i>ACS Nano</i> , 2020, 14, 11294-11308.	7.3	18
13	Aqueous Formulation of Concentrated Semiconductive Fluid Using Polyelectrolyte Coacervation. <i>ACS Macro Letters</i> , 2021, 10, 1008-1014.	2.3	17
14	Ferroelastic Hysteresis in Thin Films of Methylammonium Lead Iodide. <i>Chemistry of Materials</i> , 2021, 33, 298-309.	3.2	15
15	Engineering the Properties of Polymer Photonic Crystals with Mesoporous Silicon Templates. <i>Chemistry of Materials</i> , 2017, 29, 1263-1272.	3.2	14
16	Thermolytic Grafting of Polystyrene to Porous Silicon. <i>Chemistry of Materials</i> , 2016, 28, 79-89.	3.2	13
17	Growth-Controlled Broad Emission in Phase-Pure Two-Dimensional Hybrid Perovskite Films. <i>Chemistry of Materials</i> , 2021, 33, 7290-7300.	3.2	13
18	Optical-Frequency Magnetic Polarizability in a Layered Semiconductor. <i>Physical Review Letters</i> , 2021, 127, 173604.	2.9	2

#	ARTICLE	IF	CITATIONS
19	Enhancing and Extinguishing the Different Emission Features of 2D (EA _{1-x} FA _x) ₄ Pb ₃ Br ₁₀ Perovskite Films. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	2