Rhiannon M Kennard

List of Publications by Year
in descending order

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	Understanding Instability in Formamidinium Lead Halide Perovskites: Kinetics of Transformative Reactions at Grain and Subgrain Boundaries. ACS Energy Letters, 2022, 7, 1534-1543.	8.8	45
2	Enhancing and Extinguishing the Different Emission Features of 2D (EA_{1â^'}_xFA_x)₄Pb₃Br₁₀ Perovskite Films. Advanced Optical Materials, 2022, 10, .	8.6	2
3	Dynamic Motion of Organic Spacer Cations in Ruddlesdenâ€“Popper Lead Iodide Perovskites Probed by Solid-State NMR Spectroscopy. Chemistry of Materials, 2021, 33, 642-656.	3.2	33
4	Aqueous Formulation of Concentrated Semiconductive Fluid Using Polyelectrolyte Coacervation. ACS Macro Letters, 2021, 10, 1008-1014.	2.3	17
5	Growth-Controlled Broad Emission in Phase-Pure Two-Dimensional Hybrid Perovskite Films. Chemistry of Materials, 2021, 33, 7290-7300.	3.2	13
6	Ferroelastic Hysteresis in Thin Films of Methylammonium Lead Iodide. Chemistry of Materials, 2021, 33, 298-309.	3.2	15
7	Optical-Frequency Magnetic Polarizability in a Layered Semiconductor. Physical Review Letters, 2021, 127, 173604.	2.9	2
8	Even-Parity Self-Trapped Excitons Lead to Magnetic Dipole Radiation in Two-Dimensional Lead Halide Perovskites. ACS Nano, 2020, 14, 8958-8968.	7.3	23
9	Structural Evolution of Layered Hybrid Lead Iodide Perovskites in Colloidal Dispersions. ACS Nano, 2020, 14, 11294-11308.	7.3	18
10	Bright magnetic dipole radiation from two-dimensional lead-halide perovskites. Science Advances, 2020, 6, eaay4900.	4.7	24
11	Controlling Solvate Intermediate Growth for Phase-Pure Organic Lead Iodide Ruddlesdenâ€“Popper (C₄H₉NH₃)₂(CH₃NH₃)_nâ^'₁Pbn Perovskite Thin Films. Chemistry of Materials, 2019, 31, 5832-5844.	8.6	69
12	Phase Stability and Diffusion in Lateral Heterostructures of Methyl Ammonium Lead Halide Perovskites. ACS Applied Materials & Interfaces, 2019, 11, 25313-25321.	4.0	32
13	Chemical and Structural Diversity of Hybrid Layered Double Perovskite Halides. Journal of the American Chemical Society, 2019, 141, 19099-19109.	6.6	144
14	Seven-Layered 2D Hybrid Lead Iodide Perovskites. CheM, 2019, 5, 2593-2604.	5.8	79
15	Optical Constants and Effective-Medium Origins of Large Optical Anisotropies in Layered Hybrid Organic/Inorganic Perovskites. ACS Nano, 2019, 13, 10745-10753.	7.3	24
16	Phase Intergrowth and Structural Defects in Organic Metal Halide Ruddlesdenâ€“Popper Thin Films. Chemistry of Materials, 2018, 30, 8615-8623.	3.2	29
17	Engineering the Properties of Polymer Photonic Crystals with Mesoporous Silicon Templates. Chemistry of Materials, 2017, 29, 1263-1272.	3.2	14
18	Thermolytic Grafting of Polystyrene to Porous Silicon. Chemistry of Materials, 2016, 28, 79-89.	3.2	13

#	Article	IF	Citations
19	Mesoporous silicon sponge as an anti-pulverization structure for high-performance lithium-ion battery anodes. Nature Communications, 2014, 5, 4105.	5.8	1,160