Ryan A Decrescent

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8722118/publications.pdf

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19	567	758635 12	839053 18
papers	citations	h-index	g-index

20	20	20	971
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancing and Extinguishing the Different Emission Features of 2D (EA_{1â˜’}_xFA_x)₄Pb₃Br₁₀ Perovskite Films. Advanced Optical Materials, 2022, 10, .	8.6	2
2	Designing Highly Directional Luminescent Phased-Array Metasurfaces with Reciprocity-Based Simulations. ACS Omega, 2022, 7, 22477-22483.	1.6	3
3	Light-emitting metalenses and meta-axicons for focusing and beaming of spontaneous emission. Nature Communications, 2021, 12, 3591.	5.8	31
4	Growth-Controlled Broad Emission in Phase-Pure Two-Dimensional Hybrid Perovskite Films. Chemistry of Materials, 2021, 33, 7290-7300.	3.2	13
5	Ferroelastic Hysteresis in Thin Films of Methylammonium Lead Iodide. Chemistry of Materials, 2021, 33, 298-309.	3.2	15
6	Optical-Frequency Magnetic Polarizability in a Layered Semiconductor. Physical Review Letters, 2021, 127, 173604.	2.9	2
7	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
8	Unidirectional luminescence from InGaN/GaN quantum-well metasurfaces. Nature Photonics, 2020, 14, 543-548.	15.6	64
9	Bright magnetic dipole radiation from two-dimensional lead-halide perovskites. Science Advances, 2020, 6, eaay4900.	4.7	24
10	Controlling Solvate Intermediate Growth for Phase-Pure Organic Lead Iodide Ruddlesdenâ€“Popper (C₄H₉NH₃)₂(CH₃NH₃)_{nâ˜’1}Pb<s Perovskite Thin Films. Chemistry of Materials, 2019, 31, 5832-5844.	9.6	39
11	Phase Stability and Diffusion in Lateral Heterostructures of Methyl Ammonium Lead Halide Perovskites. ACS Applied Materials & Interfaces, 2019, 11, 25313-25321.	4.0	32
12	Chemical and Structural Diversity of Hybrid Layered Double Perovskite Halides. Journal of the American Chemical Society, 2019, 141, 19099-19109.	6.6	144
13	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
14	Phase Intergrowth and Structural Defects in Organic Metal Halide Ruddlesdenâ€“Popper Thin Films. Chemistry of Materials, 2018, 30, 8615-8623.	3.2	29
15	Uniform Thermo-Optic Tunability of Dielectric Metalenses. Physical Review Applied, 2018, 10, .	1.5	34
16	Enhancing Organic Semiconductorâ€“Surface Plasmon Polariton Coupling with Molecular Orientation. Nano Letters, 2017, 17, 6151-6156.	4.5	11
17	Model-blind characterization of thin-film optical constants with momentum-resolved reflectometry. Optics Express, 2016, 24, 28842.	1.7	13
18	Beam engineering for selective and enhanced coupling to multipolar resonances. Physical Review B, 2015, 92, .	1.1	64

#	Article	IF	Citations
19	What happens when we bend MAPbI3 films? Insights on sub-grain structures and stability. , 0, , .		0