Amrita Dey

List of Publications by Year
in descending order

23 papers	1,676 citations	687363 13 h-index	713466 21 g-index
24 all docs	24 docs citations	24 times ranked	2367 citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial Manganeseâ€Doping in CsPbBr₃ Nanoplatelets by Employing a Molecular Shuttle. Angewandte Chemie - International Edition, 2022, 61, .	13.8	25
2	Interfacial Manganeseâ€Doping in CsPbBr₃ Nanoplatelets by Employing a Molecular Shuttle. Angewandte Chemie, 2022, 134, .	2.0	2
3	Coherent vibrational dynamics reveals lattice anharmonicity in organicâ€“inorganic halide perovskite nanocrystals. Nature Communications, 2021, 12, 2629.	12.8	58
4	State of the Art and Prospects for Halide Perovskite Nanocrystals. ACS Nano, 2021, 15, 10775-10981.	14.6	705
5	Modulation of Electronic States of Hybrid Lead Halide Perovskite Embedded in Organic Matrix. Energy Technology, 2020, 8, 1900894.	3.8	4
6	RÃ¼cktitelbild: Manganâ€Dotierung von Perowskitâ€Nanokristallen: QuanteneinschrÃnkung Aufgrund von Ruddlesdenâ€Popperâ€Defekten (Angew. Chem. 17/2020). Angewandte Chemie, 2020, 132, 7004-7004.	2.0	0
7	Spin Polarization Dynamics of Free Charge Carriers in CsPbI₃ Nanocrystals. Nano Letters, 2020, 20, 4724-4730.	9.1	32
8	Transfer of Direct to Indirect Bound Excitons by Electron Intervalley Scattering in Cs₂AgBiBr₆ Double Perovskite Nanocrystals. ACS Nano, 2020, 14, 5855-5861.	14.6	58
9	Manganâ€Dotierung von Perowskitâ€Nanokristallen: QuanteneinschrÃnkung Aufgrund von Ruddlesdenâ€Popperâ€Defekten. Angewandte Chemie, 2020, 132, 6860-6865.	2.0	7
10	Manganeseâ€Dopingâ€Induced Quantum Confinement within Host Perovskite Nanocrystals through Ruddlesdenâ€“Popper Defects. Angewandte Chemie - International Edition, 2020, 59, 6794-6799.	13.8	72
11	Enhancing the electroluminescence efficiency by controlling the migration of excited states to quenching sites in a truxene-based oligomer. Journal of Applied Physics, 2019, 126, .	2.5	3
12	Kinetics of Triplet Exciton Energy-Transfer Processes in Triplet Sensitizer-Doped Fluorescent Polymers. Journal of Physical Chemistry A, 2019, 123, 4858-4862.	2.5	11
13	Investigation on Organic Molecule Additive for Moisture Stability and Defect Passivation via Physisorption in CH₃NH₃PbI₃ Based Perovskite. ACS Applied Energy Materials, 2018, 1, 1870-1877.	5.1	37
14	Ultrafast endothermic transfer of non-radiative exciplex state to radiative excitons in polyfluorene random copolymer for blue electroluminescence. Applied Physics Letters, 2018, 112, .	3.3	7
15	Role of Localized States in Photoluminescence Dynamics of High Optical Gain CsPbBr₃ Nanocrystals. Advanced Optical Materials, 2018, 6, 1800109.	7.3	80
16	Role of Bimolecular Exciton Kinetics in Controlling the Efficiency of Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 38287-38293.	8.0	13
17	Kinetics of thermally activated triplet fusion as a function of polymer chain packing in boosting the efficiency of organic light emitting diodes. Npj Flexible Electronics, 2018, 2, .	10.7	17
18	Quantitative Correlation of Perovskite Film Morphology to Light Emitting Diodes Efficiency Parameters. Advanced Functional Materials, 2017, 27, 1603219.	14.9	47

#	Article	IF	Citations
19	Quantitative estimation of exciton quenching strength at interface of charge injection layers and organic semiconductor. Organic Electronics, 2017, 42, 28-33.	2.6	4
20	A Complete Quantitative Analysis of Spatioâ€Temporal Dynamics of Excitons in Functional Organic Lightâ€Emitting Diodes. Advanced Optical Materials, 2017, 5, 1600678.	7.3	22
21	Band Gap Tuning of CH₃NH₃Pb(Br_{1â€“<i>x</i>}Cl_{<i>x</i>})₃ Hybrid Perovskite for Blue Electroluminescence. ACS Applied Materials & Interfaces, 2015, 7, 13119-13124.	8.0	339
22	Near Infrared to Visible Electroluminescent Diodes Based on Organometallic Halide Perovskites: Structural and Optical Investigation. ACS Photonics, 2015, 2, 349-354.	6.6	133
23	Spin Polarization Dynamics of Free Charge Carriers in CsPbI3 Nanocrystals. , 0, , .		0