

Apurba De

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,889
citations

759055

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h-index

940416

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17
all docs

17
docs citations

17
times ranked

2054
citing authors

#	ARTICLE	IF	CITATIONS
1	State of the Art and Prospects for Halide Perovskite Nanocrystals. ACS Nano, 2021, 15, 10775-10981.	7.3	705
2	Achieving Near-Unity Photoluminescence Efficiency for Blue-Violet-Emitting Perovskite Nanocrystals. ACS Energy Letters, 2019, 4, 32-39.	8.8	330
3	Tackling the Defects, Stability, and Photoluminescence of CsPbX ₃ Perovskite Nanocrystals. ACS Energy Letters, 2019, 4, 1610-1618.	8.8	227
4	Luminescence tuning and exciton dynamics of Mn-doped CsPbCl ₃ nanocrystals. Nanoscale, 2017, 9, 16722-16727.	2.8	182
5	Ambient Condition Mg ²⁺ Doping Producing Highly Luminescent Green- and Violet-Emitting Perovskite Nanocrystals with Reduced Toxicity and Enhanced Stability. Journal of Physical Chemistry Letters, 2020, 11, 1178-1188.	2.1	93
6	Ultrafast carrier dynamics of metal halide perovskite nanocrystals and perovskite-composites. Nanoscale, 2019, 11, 9796-9818.	2.8	76
7	Highly Luminescent Violet- and Blue-Emitting Stable Perovskite Nanocrystals. , 2019, 1, 116-122.		72
8	Hole Transfer Dynamics from Photoexcited Cesium Lead Halide Perovskite Nanocrystals: 1-Aminopyrene as Hole Acceptor. Journal of Physical Chemistry C, 2018, 122, 13617-13623.	1.5	42
9	Hot Hole Transfer Dynamics from CsPbBr ₃ Perovskite Nanocrystals. ACS Energy Letters, 2020, 5, 2246-2252.	8.8	39
10	Biexciton Generation and Dissociation Dynamics in Formamidinium- and Chloride-Doped Cesium Lead Iodide Perovskite Nanocrystals. Journal of Physical Chemistry Letters, 2018, 9, 3673-3679.	2.1	31
11	Study of energy transfer phenomenon between quantum dots and zinc porphyrin in solution. Journal of Molecular Liquids, 2017, 246, 17-24.	2.3	28
12	All-inorganic perovskite nanocrystal assisted extraction of hot electrons and biexcitons from photoexcited CdTe quantum dots. Nanoscale, 2018, 10, 639-645.	2.8	24
13	Dark Excitons of the Perovskites and Sensitization of Molecular Triplets. ACS Energy Letters, 2021, 6, 588-597.	8.8	19
14	An Ultrafast Transient Absorption Study of Charge Separation and Recombination Dynamics in CdSe QDs and Methyl Viologen: Dependence on Surface Stoichiometry. ChemistrySelect, 2018, 3, 2675-2682.	0.7	8
15	Individual Particle-Level Picture of Charge Carrier Recombination in Bi-Doped CsPbBr ₃ Nanocrystals. Journal of Physical Chemistry C, 2021, 125, 2156-2162.	1.5	8
16	Roles of the methyl and methylene groups of mercapto acids in the photoluminescence efficiency and carrier trapping dynamics of CdTe QDs. Physical Chemistry Chemical Physics, 2017, 19, 1536-1542.	1.3	4