

Apurba De

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,889
citations

759233

12
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940533

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17
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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. | 14.6 | 705 |
| 2 | Achieving Near-Unity Photoluminescence Efficiency for Blue-Violet-Emitting Perovskite Nanocrystals. ACS Energy Letters, 2019, 4, 32-39. | 17.4 | 330 |
| 3 | Tackling the Defects, Stability, and Photoluminescence of CsPbX ₃ Perovskite Nanocrystals. ACS Energy Letters, 2019, 4, 1610-1618. | 17.4 | 227 |
| 4 | Luminescence tuning and exciton dynamics of Mn-doped CsPbCl ₃ nanocrystals. Nanoscale, 2017, 9, 16722-16727. | 5.6 | 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. | 4.6 | 93 |
| 6 | Ultrafast carrier dynamics of metal halide perovskite nanocrystals and perovskite-composites. Nanoscale, 2019, 11, 9796-9818. | 5.6 | 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. | 3.1 | 42 |
| 9 | Hot Hole Transfer Dynamics from CsPbBr ₃ Perovskite Nanocrystals. ACS Energy Letters, 2020, 5, 2246-2252. | 17.4 | 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. | 4.6 | 31 |
| 11 | Study of energy transfer phenomenon between quantum dots and zinc porphyrin in solution. Journal of Molecular Liquids, 2017, 246, 17-24. | 4.9 | 28 |
| 12 | All-inorganic perovskite nanocrystal assisted extraction of hot electrons and biexcitons from photoexcited CdTe quantum dots. Nanoscale, 2018, 10, 639-645. | 5.6 | 24 |
| 13 | Dark Excitons of the Perovskites and Sensitization of Molecular Triplets. ACS Energy Letters, 2021, 6, 588-597. | 17.4 | 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. | 1.5 | 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. | 3.1 | 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. | 2.8 | 4 |