

Manas R Parida

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

34
papers

2,583
citations

22
h-index

38
g-index

38
ext. papers

2,883
ext. citations

8.9
avg, IF

4.9
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 34 | Imaging the Reduction of Electron Trap States in Shelled Copper Indium Gallium Selenide Nanocrystals Using Ultrafast Electron Microscopy. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 15010-15016 | 3.8 | 3 |
| 33 | The impact of Au doping on the charge carrier dynamics at the interfaces between cationic porphyrin and silver nanoclusters. <i>Chemical Physics Letters</i> , 2017 , 683, 393-397 | 2.5 | 6 |
| 32 | 2D Organic-Inorganic Hybrid Thin Films for Flexible UV-Visible Photodetectors. <i>Advanced Functional Materials</i> , 2017 , 27, 1605554 | 15.6 | 87 |
| 31 | Engineering Interfacial Charge Transfer in CsPbBr Perovskite Nanocrystals by Heterovalent Doping. <i>Journal of the American Chemical Society</i> , 2017 , 139, 731-737 | 16.4 | 323 |
| 30 | Comprehensive Study of All-Solid-State Z-Scheme Photocatalytic Systems of ZnO/Pt/CdZnS. <i>ACS Omega</i> , 2017 , 2, 4828-4837 | 3.9 | 24 |
| 29 | Direct-Indirect Nature of the Bandgap in Lead-Free Perovskite Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 3173-3177 | 6.4 | 139 |
| 28 | Real-time observation of intersystem crossing induced by charge recombination during bimolecular electron transfer reactions. <i>Dyes and Pigments</i> , 2017 , 136, 881-886 | 4.6 | 1 |
| 27 | Shape-Tunable Charge Carrier Dynamics at the Interfaces between Perovskite Nanocrystals and Molecular Acceptors. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 3913-3919 | 6.4 | 38 |
| 26 | Porous-Hybrid Polymers as Platforms for Heterogeneous Photochemical Catalysis. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 19994-20002 | 9.5 | 30 |
| 25 | Pure crystal orientation and anisotropic charge transport in large-area hybrid perovskite films. <i>Nature Communications</i> , 2016 , 7, 13407 | 17.4 | 140 |
| 24 | pH-Induced Surface Modification of Atomically Precise Silver Nanoclusters: An Approach for Tunable Optical and Electronic Properties. <i>Inorganic Chemistry</i> , 2016 , 55, 11522-11528 | 5.1 | 6 |
| 23 | Surface Restructuring of Hybrid Perovskite Crystals. <i>ACS Energy Letters</i> , 2016 , 1, 1119-1126 | 20.1 | 115 |
| 22 | Gold Doping of Silver Nanoclusters: A 26-Fold Enhancement in the Luminescence Quantum Yield. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5749-53 | 16.4 | 218 |
| 21 | Real-Space Visualization of Energy Loss and Carrier Diffusion in a Semiconductor Nanowire Array Using 4D Electron Microscopy. <i>Advanced Materials</i> , 2016 , 28, 5106-11 | 24 | 23 |
| 20 | Perovskite Nanocrystals as a Color Converter for Visible Light Communication. <i>ACS Photonics</i> , 2016 , 3, 1150-1156 | 6.3 | 171 |
| 19 | Innenteilbild: Templated Atom-Precise Galvanic Synthesis and Structure Elucidation of a [Ag ₂₄ Au(SR) ₁₈] Nanocluster (Angew. Chem. 3/2016). <i>Angewandte Chemie</i> , 2016 , 128, 834-834 | 3.6 | 1 |
| 18 | The impact of electrostatic interactions on ultrafast charge transfer at Ag ₂₉ nanoclusters/fullerene and CdTe quantum dots/fullerene interfaces. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 2894-2900 | 7.1 | 11 |

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| 17 | Templated Atom-Precise Galvanic Synthesis and Structure Elucidation of a [Ag ₂₄ Au(SR) ₁₈] Nanocluster. <i>Angewandte Chemie</i> , 2016 , 128, 934-938 | 3.6 | 95 |
| 16 | Remarkably High Conversion Efficiency of Inverted Bulk Heterojunction Solar Cells: From Ultrafast Laser Spectroscopy and Electron Microscopy to Device Fabrication and Optimization. <i>Advanced Energy Materials</i> , 2016 , 6, 1502356 | 21.8 | 14 |
| 15 | Templated Atom-Precise Galvanic Synthesis and Structure Elucidation of a [Ag ₂₄ Au(SR) ₁₈] ⁻ Nanocluster. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 922-6 | 16.4 | 252 |
| 14 | Gold Doping of Silver Nanoclusters: A 26-Fold Enhancement in the Luminescence Quantum Yield. <i>Angewandte Chemie</i> , 2016 , 128, 5843-5847 | 3.6 | 51 |
| 13 | Real-Space Mapping of Surface Trap States in CIGSe Nanocrystals Using 4D Electron Microscopy. <i>Nano Letters</i> , 2016 , 16, 4417-23 | 11.5 | 20 |
| 12 | To what extent can charge localization influence electron injection efficiency at graphene-porphyrin interfaces?. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 14513-7 | 3.6 | 6 |
| 11 | Nano surface engineering of Mn ₂ O ₃ for potential light-harvesting application. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8200-8211 | 7.1 | 53 |
| 10 | Bimolecular Excited-State Electron Transfer with Surprisingly Long-Lived Radical Ions. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 21896-21903 | 3.8 | 13 |
| 9 | Dendritic Tip-on Polytriazine-Based Carbon Nitride Photocatalyst with High Hydrogen Evolution Activity. <i>Chemistry of Materials</i> , 2015 , 27, 8237-8247 | 9.6 | 108 |
| 8 | Air-Stable Surface-Passivated Perovskite Quantum Dots for Ultra-Robust, Single- and Two-Photon-Induced Amplified Spontaneous Emission. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 5027-33 | 6.4 | 398 |
| 7 | Tunable Photophysical Processes of Porphyrin Macrocycles on the Surface of ZnO Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 2614-2621 | 3.8 | 16 |
| 6 | Direct Femtosecond Observation of Charge Carrier Recombination in Ternary Semiconductor Nanocrystals: The Effect of Composition and Shelling. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 3439-3446 | 2.8 | 36 |
| 5 | Ultrafast electron injection at the cationic porphyrin-graphene interface assisted by molecular flattening. <i>Chemical Communications</i> , 2014 , 50, 10452-5 | 5.8 | 64 |
| 4 | Enhanced optical nonlinearity in [AgVO ₃] nanobelts on decoration with Ag nanoparticles. <i>Applied Physics Letters</i> , 2012 , 100, 121119 | 3.4 | 24 |
| 3 | Room Temperature Ferromagnetism and Optical Limiting in V ₂ O ₅ Nanoflowers Synthesized by a Novel Method. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 112-117 | 3.8 | 59 |
| 2 | Linear and nonlinear optical properties of dendrimer-based nanoclusters 2010 , | | 2 |
| 1 | Generation of Ag Nanoparticles by PAMAM Dendrimers and their Size Dependence on the Aggregation Behavior of Dendrimers. <i>Macromolecular Chemistry and Physics</i> , 2009 , 210, 1310-1318 | 2.6 | 32 |