

Manas R Parida

List of Publications by Citations

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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	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
33	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
32	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
31	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
30	Perovskite Nanocrystals as a Color Converter for Visible Light Communication. <i>ACS Photonics</i> , 2016 , 3, 1150-1156	6.3	171
29	Pure crystal orientation and anisotropic charge transport in large-area hybrid perovskite films. <i>Nature Communications</i> , 2016 , 7, 13407	17.4	140
28	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
27	Surface Restructuring of Hybrid Perovskite Crystals. <i>ACS Energy Letters</i> , 2016 , 1, 1119-1126	20.1	115
26	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
25	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
24	2D Organic-Inorganic Hybrid Thin Films for Flexible UV-Visible Photodetectors. <i>Advanced Functional Materials</i> , 2017 , 27, 1605554	15.6	87
23	Ultrafast electron injection at the cationic porphyrin-graphene interface assisted by molecular flattening. <i>Chemical Communications</i> , 2014 , 50, 10452-5	5.8	64
22	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
21	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
20	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
19	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
18	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

17	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
16	Porous-Hybrid Polymers as Platforms for Heterogeneous Photochemical Catalysis. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 19994-20002	9.5	30
15	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
14	Enhanced optical nonlinearity in AgVO ₃ nanobelts on decoration with Ag nanoparticles. <i>Applied Physics Letters</i> , 2012 , 100, 121119	3.4	24
13	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
12	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
11	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
10	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
9	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
8	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
7	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
6	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
5	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
4	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
3	Linear and nonlinear optical properties of dendrimer-based nanoclusters 2010 ,		2
2	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
1	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