

Dipankar Bain

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Controlling Aggregation-Induced Emission in Bimetallic Gold-Copper Nanoclusters via Surface Motif Engineering. <i>Journal of Physical Chemistry C</i> , 2022, 126, 2896-2904.	1.5	23
2	Self-Assembled Metal Nanoclusters: Driving Forces and Structural Correlation with Optical Properties. <i>Nanomaterials</i> , 2022, 12, 544.	1.9	29
3	Silver Nanocluster/MoS ₂ Heterostructures for Hydrogen Evolution. <i>ACS Applied Nano Materials</i> , 2022, 5, 7132-7141.	2.4	15
4	Unraveling the Effect of Single Atom Doping on the Carrier Relaxation Dynamics of MAg ₂₄ Nanoclusters. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5581-5588.	2.1	11
5	Self-assembly of copper nanoclusters: isomeric ligand effect on morphological evolution. <i>Nanoscale Advances</i> , 2021, 3, 5570-5575.	2.2	11
6	Copper Nanocluster (Cu ₂₃ NC)-Based Biomimetic System with Peroxidase Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18335-18344.	3.2	46
7	Electronic Structure Modulation of 2D Colloidal CdSe Nanoplatelets by Au ₂₅ Clusters for High-Performance Photodetectors. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19793-19801.	1.5	20
8	Observation and Analysis of Incoherent Second-Harmonic Generation in Gold Nanoclusters with Six Atoms. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15440-15447.	1.5	7
9	Surface motifs regulated aggregation induced emission in gold-silver nanoclusters. <i>Chemical Communications</i> , 2020, 56, 9292-9295.	2.2	36
10	Opportunities and challenges in energy and electron transfer of nanocluster based hybrid materials and their sensing applications. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 5863-5881.	1.3	45
11	An overview on the current understanding of the photophysical properties of metal nanoclusters and their potential applications. <i>Nanoscale</i> , 2019, 11, 22685-22723.	2.8	89
12	Luminescent Au ₆ and Au ₈ nanoclusters from ligand induced etching of Au nanoparticles. <i>Materials Research Express</i> , 2019, 6, 124004.	0.8	5
13	Engineering Atomically Precise Copper Nanoclusters with Aggregation Induced Emission. <i>Journal of Physical Chemistry C</i> , 2019, 123, 2506-2515.	1.5	81
14	Core-Size Dependent Fluorescent Gold Nanoclusters and Ultrasensitive Detection of Pb ²⁺ Ion. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2334-2343.	3.2	86
15	Ultrafast Relaxation Dynamics of Luminescent Copper Nanoclusters (Cu ₇ L ₃) and Efficient Electron Transfer to Functionalized Reduced Graphene Oxide. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13354-13362.	1.5	44
16	Silver(I)-Induced Conformation Change of DNA: Gold Nanocluster as a Spectroscopic Probe. <i>Journal of Physical Chemistry C</i> , 2017, 121, 4608-4617.	1.5	31
17	Making and Breaking of DNA-Metal Base Pairs: Hg ²⁺ and Au Nanocluster Based Off/On Probe. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17127-17135.	1.5	26
18	Light Harvesting and White-Light Generation in a Composite of Carbon Dots and Dye-Encapsulated BSA-Protein-Capped Gold Nanoclusters. <i>Chemistry - A European Journal</i> , 2016, 22, 11699-11705.	1.7	33

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19	Size of CdTe Quantum Dots Controls the Hole Transfer Rate in CdTe Quantum Dotsâ€“MEHPPV Polymer Nanoparticle Hybrid. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25142-25150.	1.5	30
20	A study into the role of surface capping on energy transfer in metal clusterâ€“semiconductor nanocomposites. <i>Nanoscale</i> , 2015, 7, 20697-20708.	2.8	31
21	Bilayer interaction and protein kinase C-C1 domain binding studies of kojic acid esters. <i>RSC Advances</i> , 2014, 4, 25520-25531.	1.7	7