

# Biswajit Mondal

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

468  
citations

687363

13  
h-index

713466

21  
g-index

26  
all docs

26  
docs citations

26  
times ranked

662  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Silicon Nanoparticles from Rice Husk and their Use as Sustainable Fluorophores for White Light Emission. ACS Sustainable Chemistry and Engineering, 2018, 6, 6203-6210.	6.7	71
2	Atomically Precise Nanocluster Assemblies Encapsulating Plasmonic Gold Nanorods. Angewandte Chemie - International Edition, 2018, 57, 6522-6526.	13.8	57
3	Isomerism in Monolayer Protected Silver Cluster Ions: An Ion Mobility-Mass Spectrometry Approach. Journal of Physical Chemistry C, 2017, 121, 13421-13427.	3.1	39
4	Atomically Precise Noble Metal Cluster-Assembled Superstructures in Water: Luminescence Enhancement and Sensing. Journal of Physical Chemistry C, 2020, 124, 22298-22303.	3.1	29
5	Nanocellulose-Reinforced Organo-Inorganic Nanocomposite for Synergistic and Affordable Defluorination of Water and an Evaluation of Its Sustainability Metrics. ACS Sustainable Chemistry and Engineering, 2020, 8, 139-147.	6.7	27
6	Holey MoS <sub>2</sub> Nanosheets with Photocatalytic Metal Rich Edges by Ambient Electro spray Deposition for Solar Water Disinfection. Global Challenges, 2018, 2, 1800052.	3.6	26
7	Sustainable and Affordable Composites Built Using Microstructures Performing Better than Nanostructures for Arsenic Removal. ACS Sustainable Chemistry and Engineering, 2019, 7, 3222-3233.	6.7	26
8	[Ag <sub>59</sub> (2,5-DCBT) <sub>32</sub> ] <sup>3+</sup> : a new cluster and a precursor for three well-known clusters. Nanoscale, 2017, 9, 8240-8248.	5.6	24
9	Electrospray deposition-induced ambient phase transition in copper sulphide nanostructures. Journal of Materials Chemistry A, 2019, 7, 6387-6394.	10.3	21
10	Near-Infrared Chiral Plasmonic Microwires through Precision Assembly of Gold Nanorods on Soft Biotemplates. Journal of Physical Chemistry C, 2021, 125, 3256-3267.	3.1	20
11	Rapid reaction of MoS <sub>2</sub> nanosheets with Pb <sup>2+</sup> and Pb <sup>4+</sup> ions in solution. Nanoscale, 2018, 10, 1807-1814.	5.6	14
12	Molecular Materials through Microdroplets: Synthesis of Protein-Protected Luminescent Clusters of Noble Metals. ACS Sustainable Chemistry and Engineering, 2021, 9, 4554-4563.	6.7	14
13	Hierarchical Assembly of Atomically Precise Metal Clusters as a Luminescent Strain Sensor. ACS Applied Materials & Interfaces, 2021, 13, 6496-6504.	8.0	14
14	Fullerene-Mediated Aggregation of M <sub>25</sub> (SR) <sub>18</sub> <sup>+</sup> (M = Ag, Au) Nanoclusters. Journal of Physical Chemistry C, 2020, 124, 14891-14900.	3.1	13
15	Tribochemical Degradation of Polytetrafluoroethylene in Water and Generation of Nanoplastics. ACS Sustainable Chemistry and Engineering, 2019, 7, 17554-17558.	6.7	12
16	Shell-Isolated Assembly of Atomically Precise Nanoclusters on Gold Nanorods for Integrated Plasmonic-Luminescent Nanocomposites. Journal of Physical Chemistry B, 2022, 126, 1842-1851.	2.6	11
17	Atomically Precise Nanocluster Assemblies Encapsulating Plasmonic Gold Nanorods. Angewandte Chemie, 2018, 130, 6632-6636.	2.0	10
18	Unusual reactivity of MoS <sub>2</sub> nanosheets. Nanoscale, 2016, 8, 10282-10290.	5.6	9

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19	A Covalently Integrated Reduced Graphene Oxideâ€“Ionâ€“Exchange Resin Electrode for Efficient Capacitive Deionization. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001998.	3.7	9
20	Ambient microdroplet annealing of nanoparticles. <i>Chemical Science</i> , 2021, 12, 6370-6377.	7.4	7
21	Synergistic Effect in Green Extraction of Noble Metals and Its Consequences. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3072-3079.	2.0	5
22	Transformation of Nanodiamonds to Onion-like Carbons by Ambient Electrospray Deposition. <i>Journal of Physical Chemistry C</i> , 2021, 125, 10998-11006.	3.1	5
23	Direct imaging of lattice planes in atomically precise noble metal cluster crystals using a conventional transmission electron microscope. <i>Chemical Communications</i> , 2022, 58, 1906-1909.	4.1	3
24	Isotopic Exchange of Atomically Precise Nanoclusters with Materials of Varying Dimensions: From Nanoscale to Bulk. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16110-16117.	3.1	2
25	2D-Molybdenum Disulfide-Derived Ion Source for Mass Spectrometry. <i>ACS Nano</i> , 2021, 15, 5023-5031.	14.6	0