

# Biswajit Das

## List of Publications by Year in descending order

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papers

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Enhanced electrocatalytic oxygen reduction reaction from organic-inorganic heterostructure. International Journal of Hydrogen Energy, 2022, 47, 6710-6720.	7.1	7
2	Enhanced field emission properties of rGO wrapped Ga <sub>2</sub> O <sub>3</sub> micro/nanobricks: Experimental investigation with theoretical validation. Journal of Alloys and Compounds, 2022, 902, 163726.	5.5	3
3	Nonlinear Coherent Light-Matter Interaction in 2D MoSe <sub>2</sub> Nanoflakes for All-Optical Switching and Logic Applications. Advanced Optical Materials, 2022, 10, .	7.3	9
4	Radon induced health effects: A survey report. Indian Journal of Science and Technology, 2021, 14, 481-507.	0.7	5
5	Copper (II) Phthalocyanine (CuPc) Based Optoelectronic Memory Device with Multilevel Resistive Switching for Neuromorphic Application. Advanced Electronic Materials, 2021, 7, 2001079.	5.1	14
6	Scenario of radon alpha activity level in natural drinking waters of different regions of eastern part of India: A review report. Indian Journal of Science and Technology, 2021, 14, 1189-1204.	0.7	1
7	NIR photodetector based on p-silicon nanowires/n-cadmium sulfide nanoscale junctions. Applied Surface Science, 2021, 548, 149256.	6.1	28
8	Resistive Switching in a MoSe <sub>2</sub> -Based Memory Device Investigated Using Conductance Noise Spectroscopy. ACS Applied Electronic Materials, 2021, 3, 3096-3105.	4.3	14
9	Hexagonal nickel selenide nanoflakes decorated carbon fabric: An efficient binder-free water loving electrode for electrochemical water splitting. Solid State Sciences, 2021, 116, 106613.	3.2	7
10	Review of recent progress on THz spectroscopy of quantum materials: superconductors, magnetic and topological materials. European Physical Journal: Special Topics, 2021, 230, 4113-4139.	2.6	9
11	Theoretical evaluation of calibration factor for CR-39 track detector for alpha radioactivity measurement in natural water. Radiation Physics and Chemistry, 2021, 185, 109511.	2.8	1
12	BaSnO <sub>3</sub> nanoparticles as blue emitting phosphor and efficient photocatalyst. AIP Conference Proceedings, 2020, , .	0.4	0
13	Novel Ag <sub>2</sub> O-Ga <sub>2</sub> O <sub>3</sub> type II p-n heterojunction as an efficient water cleanser for green cleaning technology. Applied Surface Science, 2020, 515, 145958.	6.1	14
14	Facile preparation of porous Ga <sub>2</sub> O <sub>3</sub> nano/microbars for highly efficient photocatalytic degradation. AIP Conference Proceedings, 2020, , .	0.4	2
15	MoSe <sub>2</sub> -Amorphous CNT Hierarchical Hybrid Core-Shell Structure for Efficient Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2020, 3, 5067-5076.	5.1	24
16	Tailored mesoporous nanocrystalline Ga <sub>2</sub> O <sub>3</sub> for dye-selective photocatalytic degradation. Microporous and Mesoporous Materials, 2019, 288, 109600.	4.4	29
17	Morphology control and photoluminescence properties of Eu <sup>3+</sup> -activated Y <sub>4</sub> Al <sub>2</sub> O <sub>9</sub> nanophosphors for solid state lighting applications. CrystEngComm, 2018, 20, 2540-2552.	2.6	29
18	RADIOLOGICAL IMPACT OF SOME COMMON FOODS OF SOUTHERN PART OF WEST BENGAL, INDIA. Radiation Protection Dosimetry, 2018, 179, 169-178.	0.8	2

#	ARTICLE	IF	CITATIONS
19	Flower-like Cu <sub>2</sub> NiSn <sub>4</sub> microspheres for application as electrodes of asymmetric supercapacitors endowed with high energy density. CrystEngComm, 2018, 20, 1443-1454.	2.6	20
20	Flexible, transparent resistive switching device based on topological insulator Bi <sub>2</sub> Se <sub>3</sub> -organic composite. Journal of Applied Physics, 2018, 124, .	2.5	16
21	Amorphous Carbon Nanotubesâ€“Nickel Oxide Nanoflower Hybrids: A Low Cost Energy Storage Material. ACS Omega, 2018, 3, 6311-6320.	3.5	22
22	Novel Quaternary Chalcogenide/Reduced Graphene Oxide-Based Asymmetric Supercapacitor with High Energy Density. ACS Applied Materials & Interfaces, 2017, 9, 22652-22664.	8.0	69
23	Topological Insulator Bi <sub>2</sub> Se <sub>3</sub> /Si-Nanowire-Based p-n Junction Diode for High-Performance Near-Infrared Photodetector. ACS Applied Materials & Interfaces, 2017, 9, 22788-22798.	8.0	66
24	Catalyst free VLS deposition of Cu <sub>2</sub> Se <sub>1-x</sub> film for cold cathode application and its theoretical verification. AIP Conference Proceedings, 2016, , .	0.4	0
25	Facile synthesis of ZnPc nanoflakes for cold cathode emission. RSC Advances, 2016, 6, 42739-42744.	3.6	13
26	RGO enveloped vertically aligned Co <sub>3</sub> O <sub>4</sub> nanowires on carbon fabric: a highly efficient prototype for flexible field emitter arrays. RSC Advances, 2016, 6, 91860-91869.	3.6	11
27	Chemically activated growth of CuO nanostructures for flexible cold cathode emission. CrystEngComm, 2016, 18, 3389-3398.	2.6	9
28	rGO-Wrapped flowerlike Bi <sub>2</sub> Se <sub>3</sub> nanocomposite: synthesis, experimental and simulation-based investigation on cold cathode applications. RSC Advances, 2016, 6, 25900-25912.	3.6	17
29	Optical and thermoelectric properties of chalcogenide based Cu <sub>2</sub> NiSn <sub>4</sub> nanoparticles synthesized by a novel hydrothermal route. Materials Letters, 2015, 152, 155-158.	2.6	47
30	Ag decorated topological surface state protected hierarchical Bi <sub>2</sub> Se <sub>3</sub> nanoflakes for enhanced field emission properties. Journal of Materials Chemistry C, 2015, 3, 1766-1775.	5.5	39