

# Anandarup Goswami

## List of Publications by Year in descending order

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45  
papers

7,503  
citations

230014

27  
h-index

252626

46  
g-index

48  
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48  
docs citations

48  
times ranked

15611  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of Safranin O on halloysite nanotubes: a mechanistic case study for efficient wastewater remediation. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 5405-5426.	1.8	3
2	Chemistry of magnetic covalent organic frameworks (MagCOFs): from synthesis to separation applications. <i>Materials Advances</i> , 2022, 3, 1432-1458.	2.6	9
3	New frontiers for heterogeneous catalysis. , 2022, , 1-27.		0
4	AgNWs-a-TiOx: a scalable wire bar coated core-shell nanocomposite as transparent thin film electrode for flexible electronics applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 6454-6464.	1.1	7
5	Syntheses of N-Doped Carbon Quantum Dots (NCQDs) from Bioderived Precursors: A Timely Update. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3-49.	3.2	70
6	Fe(O)-embedded thermally reduced graphene oxide as efficient nanocatalyst for reduction of nitro compounds to amines. <i>Chemical Engineering Journal</i> , 2020, 382, 122469.	6.6	54
7	Synthesis and structural characterization of the formate bridged Cu(ii) cubane: Crystallographic evidence of atmospheric CO <sub>2</sub> fixation as formate in a tertranuclear Cu(II) cluster. <i>Journal of Molecular Structure</i> , 2020, 1219, 129064.	1.8	1
8	Phosphorene: Current status, challenges and opportunities. <i>Frontiers of Chemical Science and Engineering</i> , 2019, 13, 296-309.	2.3	17
9	Low temperature processed titanium oxide thin-film using scalable wire-bar coating. <i>Materials Research Express</i> , 2019, 6, 126427.	0.8	7
10	Nitrogen-doped nanocarbons (NNCs): Current status and future opportunities. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2019, 15, 67-76.	3.2	21
11	Hematite Photoanode with Complex Nanoarchitecture Providing Tunable Gradient Doping and Low Onset Potential for Photoelectrochemical Water Splitting. <i>ChemSusChem</i> , 2018, 11, 1873-1879.	3.6	33
12	An efficient copper-based magnetic nanocatalyst for the fixation of carbon dioxide at atmospheric pressure. <i>Scientific Reports</i> , 2018, 8, 1901.	1.6	59
13	Pt nanoparticles decorated TiO <sub>2</sub> nanotubes for the reduction of olefins. <i>Applied Materials Today</i> , 2018, 10, 86-92.	2.3	18
14	Significant Enhancement of Photoactivity in Hybrid TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> Nanorod Catalysts Modified with Cu-Ni-Based Nanostructures. <i>ACS Applied Nano Materials</i> , 2018, 1, 2526-2535.	2.4	40
15	Iron Oxide-Cobalt Nanocatalyst for O-tert-Boc Protection and O-Arylation of Phenols. <i>Nanomaterials</i> , 2018, 8, 246.	1.9	8
16	Fe(III)-functionalized carbon dots-Highly efficient photoluminescence redox catalyst for hydrogenations of olefins and decomposition of hydrogen peroxide. <i>Applied Materials Today</i> , 2017, 7, 179-184.	2.3	34
17	Ni, O <sub>2</sub> , and S-tridoped Carbon-Encapsulated Co <sub>9</sub> S <sub>8</sub> Nanomaterials: Efficient Bifunctional Electrocatalysts for Overall Water Splitting. <i>Advanced Functional Materials</i> , 2017, 27, 1606585.	7.8	365
18	In Situ Generation of Pd-Pt Core-Shell Nanoparticles on Reduced Graphene Oxide (Pd@Pt/rGO) Using Microwaves: Applications in Dehalogenation Reactions and Reduction of Olefins. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 2815-2824.	4.0	67

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19	Silane- $\epsilon$ -functionalized polybenzoxazines: A superior corrosion resistant coating for steel plates. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2017, 68, 1343-1354.	0.8	17
20	Ag@Co <sub>x</sub> P Core-Shell Heterogeneous Nanoparticles as Efficient Oxygen Evolution Reaction Catalysts. <i>ACS Catalysis</i> , 2017, 7, 7038-7042.	5.5	144
21	$\text{Fe}_2\text{O}_3/\text{TiO}_2$ 3D hierarchical nanostructures for enhanced photoelectrochemical water splitting. <i>Nanoscale</i> , 2017, 9, 134-142.	2.8	97
22	Directly grown TiO <sub>2</sub> nanotubes on carbon nanofibers for photoelectrochemical water splitting. <i>MRS Advances</i> , 2016, 1, 3145-3150.	0.5	1
23	In Situ Growth and Characterization of Metal Oxide Nanoparticles within Polyelectrolyte Membranes. <i>Angewandte Chemie</i> , 2016, 128, 11694-11699.	1.6	2
24	Cu and Cu-Based Nanoparticles: Synthesis and Applications in Catalysis. <i>Chemical Reviews</i> , 2016, 116, 3722-3811.	23.0	2,051
25	In Situ Growth and Characterization of Metal Oxide Nanoparticles within Polyelectrolyte Membranes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11522-11527.	7.2	14
26	Fibrous porous carbon electrocatalysts for hydrazine oxidation by using cellulose filter paper as precursor and self-template. <i>Carbon</i> , 2016, 102, 97-105.	5.4	28
27	Yeast Cells-Derived Hollow Core/Shell Heteroatom-Doped Carbon Microparticles for Sustainable Electrocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 1978-1986.	4.0	49
28	Glutathione-triggered release of model drug molecules from mesoporous silica nanoparticles via a non-redox process. <i>RSC Advances</i> , 2015, 5, 28836-28839.	1.7	11
29	Core-shell nanoparticles: synthesis and applications in catalysis and electrocatalysis. <i>Chemical Society Reviews</i> , 2015, 44, 7540-7590.	18.7	906
30	Cu-doped carbon nitride: Bio-inspired synthesis of H <sub>2</sub> -evolving electrocatalysts using graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) as a host material. <i>Applied Surface Science</i> , 2015, 357, 221-228.	3.1	97
31	Covalent functionalization of monolayered transition metal dichalcogenides by phase engineering. <i>Nature Chemistry</i> , 2015, 7, 45-49.	6.6	637
32	Low Energy TEM Characterizations of Ordered Mesoporous Silica-Based Nanocomposite Materials for Catalytic Applications. <i>Microscopy and Microanalysis</i> , 2014, 20, 1900-1901.	0.2	1
33	Ultrasmall palladium nanoparticles supported on amine-functionalized SBA-15 efficiently catalyze hydrogen evolution from formic acid. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20444-20449.	5.2	101
34	Cobalt-Embedded Nitrogen-Rich Carbon Nanotubes Efficiently Catalyze Hydrogen Evolution Reaction at All pH Values. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4372-4376.	7.2	857
35	Nanostructured TiO <sub>2</sub> Catalyzed Oxidations of Caffeine and Isocaffeine and Their Cytotoxicity and Genotoxicity Towards Ovarian Cancer Cells. <i>BioNanoScience</i> , 2014, 4, 27-36.	1.5	9
36	Reductive Deprotection of Monolayer Protected Nanoclusters: An Efficient Route to Supported Ultrasmall Au Nanocatalysts for Selective Oxidation. <i>Small</i> , 2014, 10, 1473-1478.	5.2	61

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37	Polypyrrole-Derived Nitrogen and Oxygen Co-Doped Mesoporous Carbons as Efficient Metal-Free Electrocatalyst for Hydrazine Oxidation. <i>Advanced Materials</i> , 2014, 26, 6510-6516.	11.1	114
38	Dendritic Silica Nanomaterials (KCC-1) with Fibrous Pore Structure Possess High DNA Adsorption Capacity and Effectively Deliver Genes In Vitro. <i>Langmuir</i> , 2014, 30, 10886-10898.	1.6	88
39	N-, O-, and S-Tridoped Nanoporous Carbons as Selective Catalysts for Oxygen Reduction and Alcohol Oxidation Reactions. <i>Journal of the American Chemical Society</i> , 2014, 136, 13554-13557.	6.6	317
40	Efficient Noble Metal-Free (Electro)Catalysis of Water and Alcohol Oxidations by Zinc-Cobalt Layered Double Hydroxide. <i>Journal of the American Chemical Society</i> , 2013, 135, 17242-17245.	6.6	381
41	Efficient oxygen evolution reaction catalyzed by low-density Ni-doped Co <sub>3</sub> O <sub>4</sub> nanomaterials derived from metal-embedded graphitic C <sub>3</sub> N <sub>4</sub> . <i>Chemical Communications</i> , 2013, 49, 7522.	2.2	220
42	Efficient Tertiary Amine/Weak Acid Bifunctional Mesoporous Silica Catalysts for Michael Addition Reactions. <i>ChemCatChem</i> , 2013, 5, 910-919.	1.8	11
43	Biocompatibility of Calcined Mesoporous Silica Particles with Ventricular Myocyte Structure and Function. <i>Chemical Research in Toxicology</i> , 2013, 26, 26-36.	1.7	8
44	Lithium Phenolates Solvated by Tetrahydrofuran and 1,2-Dimethoxyethane: Structure Determination Using the Method of Continuous Variation. <i>Journal of the American Chemical Society</i> , 2009, 131, 13142-13154.	6.6	39
45	A General Approach to Creating Soluble Catalytic Polymers Heterogenized in Microcapsules. <i>Organic Letters</i> , 2007, 9, 3449-3451.	2.4	46