

# Anirban Das

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7661778/publications.pdf>

Version: 2024-02-01

20  
papers

337  
citations

933447

10  
h-index

839539

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

567  
citing authors

#	ARTICLE	IF	CITATIONS
1	A combined experimental and computational study of the mechanism of fructose dehydration to 5-hydroxymethylfurfural in dimethylsulfoxide using Amberlyst 70, PO <sub>4</sub> <sup>3-</sup> /niobic acid, or sulfuric acid catalysts. <i>Applied Catalysis B: Environmental</i> , 2016, 181, 874-887.	20.2	61
2	Efficient Oxygen Electrocatalysis by Nanostructured Mixed-Metal Oxides. <i>Journal of the American Chemical Society</i> , 2018, 140, 8128-8137.	13.7	49
3	Interface engineering via compatibilization in HDPE composite reinforced with sodium borosilicate hollow glass microspheres. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009, 40, 897-903.	7.6	40
4	Electro- and thermal-catalysis by layered, first series Ruddlesden-Popper oxides. <i>Catalysis Today</i> , 2016, 277, 214-226.	4.4	34
5	New approach for the transformation of metallic waste into nanostructured Fe <sub>3</sub> O <sub>4</sub> and SnO <sub>2</sub> -Fe <sub>3</sub> O <sub>4</sub> heterostructure and their application in treatment of organic pollutant. <i>Waste Management</i> , 2019, 87, 719-730.	7.4	19
6	Design of diverse nanostructures by hydrothermal and microemulsion routes for electrochemical water splitting. <i>RSC Advances</i> , 2018, 8, 25065-25078.	3.6	18
7	Ultrasound-assisted synthesis of PbS quantum dots stabilized by 1,2-benzenedimethanethiol and attachment to single-walled carbon nanotubes. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 892-900.	8.2	13
8	Unprecedented Lower Over-potential for CO <sub>2</sub> Electro-reduction on Copper oxide Anchored to Graphene Oxide Microstructures. <i>Journal of CO<sub>2</sub> Utilization</i> , 2020, 39, 101178.	6.8	13
9	Mechanistic Investigations of Growth of Anisotropic Nanostructures in Reverse Micelles. <i>ACS Omega</i> , 2021, 6, 1007-1029.	3.5	13
10	Effect of Au nanoparticle loading on the photo-electrochemical response of Au@P25@TiO <sub>2</sub> catalysts. <i>Journal of Solid State Chemistry</i> , 2020, 281, 121051.	2.9	12
11	Nanostructures synthesized by the reverse microemulsion method and their magnetic properties. <i>Materials Research Express</i> , 2020, 7, 104001.	1.6	10
12	Noncovalent Attachment of PbS Quantum Dots to Single- and Multiwalled Carbon Nanotubes. <i>Journal of Nanotechnology</i> , 2014, 2014, 1-7.	3.4	9
13	Core-shell Type Semiconducting Heterostructures for Visible Light Photocatalysis. <i>Chemical Record</i> , 2020, 20, 371-388.	5.8	9
14	Zinc oxide nanoparticles for detection of latent fingerprints on nonporous surfaces. <i>Materials Chemistry and Physics</i> , 2022, 278, 125660.	4.0	9
15	Bidentate and tridentate coordination modes of bis(3-methylindolyl)-2-pyridylmethane in complexes of aluminum and gallium: Structural characterization of bridging N-indolide in a dialuminum complex. <i>Journal of Organometallic Chemistry</i> , 2018, 872, 12-23.	1.8	8
16	Luminescence studies for energy transfer of lead sulfide QD films. <i>RSC Advances</i> , 2016, 6, 48651-48660.	3.6	6
17	A biodegradable polymer-assisted efficient and universal exfoliation route to a stable few layer dispersion of transition metal dichalcogenides. <i>Materials Chemistry and Physics</i> , 2022, 276, 125347.	4.0	6
18	Energy transfer between lead sulfide quantum dots in the liquid phase. <i>Materials Chemistry and Physics</i> , 2014, 147, 514-520.	4.0	5

#	ARTICLE	IF	CITATIONS
19	Structural and magnetic properties of $R_{0.5}Sr_{0.5}Fe_{0.5}Mn_{0.5}O_3$ (R = Gd, Nd or Pr) perovskites. Journal of Alloys and Compounds, 2021, 882, 160747.	5.5	3
20	Luminescence and transient lifetime studies for energy transfer of PbS QD films. , 2017, , .		0