

# Yudhajit Bhattacharjee

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1954702/publications.pdf>

Version: 2024-02-01

15  
papers

734  
citations

759190

12  
h-index

1058452

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

995  
citing authors

#	ARTICLE	IF	CITATIONS
1	Core-Shell Nanomaterials for Microwave Absorption and Electromagnetic Interference Shielding: A Review. ACS Applied Nano Materials, 2021, 4, 949-972.	5.0	114
2	Lightweight Epoxy-Based Composites for EMI Shielding Applications. Journal of Electronic Materials, 2020, 49, 1702-1720.	2.2	27
3	A Multifunctional Smart Textile Derived from Merino Wool/Nylon Polymer Nanocomposites as Next Generation Microwave Absorber and Soft Touch Sensor. ACS Applied Materials & Interfaces, 2020, 12, 17988-18001.	8.0	80
4	Mechanically robust, UV screener core-shell double-shell nanostructures provide enhanced shielding for EM radiations over wide angle of incidence. Nanoscale, 2020, 12, 15775-15790.	5.6	10
5	Thermoplastic polymer composites for EMI shielding applications. , 2020, , 73-99.		10
6	Tunable CoNi microstructures in flexible multilayered polymer films can shield electromagnetic radiation. Composites Part B: Engineering, 2019, 177, 107283.	12.0	33
7	Processing-Mediated Different States of Dispersion of Multiwalled Carbon Nanotubes in PDMS Nanocomposites Influence EMI Shielding Performance. ACS Omega, 2019, 4, 1781-1790.	3.5	38
8	Mercaptobenzoheterocyclic compounds functionalized silver nanoparticle, an ultrasensitive colorimetric probe for Hg(II) detection in water with picomolar precision: A correlation between sensitivity and binding affinity. Sensors and Actuators B: Chemical, 2018, 255, 210-216.	7.8	45
9	Core-Shell Multishell Heterostructure with Excellent Heat Dissipation for Electromagnetic Interference Shielding. ACS Applied Materials & Interfaces, 2018, 10, 30762-30773.	8.0	108
10	Graphene oxide co-doped with dielectric and magnetic phases as an electromagnetic wave suppressor. Materials Chemistry Frontiers, 2017, 1, 1229-1244.	5.9	18
11	Rational Design of Multilayer Ultrathin Nano-Architecture by Coupling of Soft Conducting Nanocomposite with Ferrites and Porous Structures for Screening Electromagnetic Radiation. ChemistrySelect, 2017, 2, 1094-1101.	1.5	9
12	Recent trends in multi-layered architectures towards screening electromagnetic radiation: challenges and perspectives. Journal of Materials Chemistry C, 2017, 5, 7390-7403.	5.5	108
13	Construction of a carbon fiber based layer-by-layer (LbL) assembly - a smart approach towards effective EMI shielding. RSC Advances, 2016, 6, 112614-112619.	3.6	29
14	Label-Free Cysteamine-Capped Silver Nanoparticle-Based Colorimetric Assay for Hg(II) Detection in Water with Subnanomolar Exactitude. ACS Sustainable Chemistry and Engineering, 2014, 2, 2149-2154.	6.7	85
15	Catalytic signal amplification using [FeIII(biuret-amide)]-mesoporous silica nanoparticles: visual cyanide detection. Chemical Communications, 2013, 49, 2216.	4.1	20