

Yudhajit Bhattacharjee

List of Publications by Year in descending order

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15
papers

734
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858243

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docs citations

15
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1117
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.	2.4	114
2	Lightweight Epoxy-Based Composites for EMI Shielding Applications. Journal of Electronic Materials, 2020, 49, 1702-1720.	1.0	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.	4.0	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.	2.8	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.	5.9	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.	1.6	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.	4.0	45
9	Core-Shell Multishell Heterostructure with Excellent Heat Dissipation for Electromagnetic Interference Shielding. ACS Applied Materials & Interfaces, 2018, 10, 30762-30773.	4.0	108
10	Graphene oxide co-doped with dielectric and magnetic phases as an electromagnetic wave suppressor. Materials Chemistry Frontiers, 2017, 1, 1229-1244.	3.2	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.	0.7	9
12	Recent trends in multi-layered architectures towards screening electromagnetic radiation: challenges and perspectives. Journal of Materials Chemistry C, 2017, 5, 7390-7403.	2.7	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.	1.7	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.	3.2	85
15	Catalytic signal amplification using [FeIII(biuret-amide)]-mesoporous silica nanoparticles: visual cyanide detection. Chemical Communications, 2013, 49, 2216.	2.2	20