

Sujit Deshmukh

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Tuning the Laser-Induced Processing of 3D Porous Graphenic Nanostructures by Boron-Doped Diamond Particles for Flexible Microsupercapacitors. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	25
2	Potentiometric ion-selective sensors based on UV-ozone irradiated laser-induced graphene electrode. <i>Electrochimica Acta</i> , 2021, 387, 138341.	2.6	16
3	Polarity dependent electrowetting for directional transport of water through patterned superhydrophobic laser induced graphene fibers. <i>Carbon</i> , 2021, 182, 605-614.	5.4	21
4	Single-step synthesis of core-shell diamond-graphite hybrid nano-needles as efficient supercapacitor electrode. <i>Electrochimica Acta</i> , 2021, 397, 139267.	2.6	4
5	Microfluidic Affinity Sensor Based on a Molecularly Imprinted Polymer for Ultrasensitive Detection of Chlorpyrifos. <i>ACS Omega</i> , 2020, 5, 31765-31773.	1.6	27
6	Single-step grown boron doped nanocrystalline diamond-carbon nanoglass hybrid as an efficient supercapacitor electrode. <i>Nanoscale</i> , 2020, 12, 10117-10126.	2.8	23
7	Potential use of smartly engineered red mud nanoparticles for removal of arsenate and pathogens from drinking water. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	6
8	Red Mud-Reduced Graphene Oxide Nanocomposites for the Electrochemical Sensing of Arsenic. <i>ACS Applied Nano Materials</i> , 2020, 3, 4084-4090.	2.4	21
9	Direct synthesis of electrowettable nanostructured hybrid diamond. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19026-19036.	5.2	9
10	3D Hierarchical Boron-Doped Diamond-Multilayered Graphene Nanowalls as an Efficient Supercapacitor Electrode. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15458-15466.	1.5	35
11	Effective Utilization of Waste Red Mud for High Performance Supercapacitor Electrodes. <i>Global Challenges</i> , 2019, 3, 1800066.	1.8	24
12	Biofilm formation by <i>Exiguobacterium</i> sp. DR11 and DR14 alter polystyrene surface properties and initiate biodegradation. <i>RSC Advances</i> , 2018, 8, 37590-37599.	1.7	68
13	Nanostructured nitrogen doped diamond for the detection of toxic metal ions. <i>Electrochimica Acta</i> , 2018, 283, 1871-1878.	2.6	24
14	Fabrication, microstructure, and enhanced thermionic electron emission properties of vertically aligned nitrogen-doped nanocrystalline diamond nanorods. <i>MRS Communications</i> , 2018, 8, 1311-1320.	0.8	1
15	Novel π -conjugated iron oxide/reduced graphene oxide nanocomposites for high performance electrochemical supercapacitors. <i>RSC Advances</i> , 2017, 7, 327-335.	1.7	30
16	Terephthalic acid capped iron oxide nanoparticles for sensitive electrochemical detection of heavy metal ions in water. <i>Journal of Electroanalytical Chemistry</i> , 2017, 788, 91-98.	1.9	103
17	Probing the flat band potential and effective electronic carrier density in vertically aligned nitrogen doped diamond nanorods via electrochemical method. <i>Electrochimica Acta</i> , 2017, 246, 68-74.	2.6	15
18	Optical, structural, catalytic and electrochemical properties of the Au nanoparticles synthesized using CTAB based gels. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 7515-7522.	1.1	2