

# Manav Saxena

## List of Publications by Year in descending order

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36  
papers

1,594  
citations

361413

20  
h-index

361022

35  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2484  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Unique Bridging Facet Assembly of Gold Nanorods for the Detection of Thiram through Surface-Enhanced Raman Scattering. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 7330-7340.	6.7	13
2	Graphene-Based Membranes for Water and Wastewater Treatment: A Review. <i>ACS Applied Nano Materials</i> , 2021, 4, 3274-3293.	5.0	80
3	Heterostructures of 2D materials-quantum dots (QDs) for optoelectronic devices: challenges and opportunities. <i>Emergent Materials</i> , 2021, 4, 901-922.	5.7	15
4	Catalytic activity of Au@Cu <sub>2</sub> O core-shell nanostructure for the organic pollutant remediation. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 152, 109935.	4.0	13
5	Co-Decorated Tellurium Nanotubes for Energy Storage Applications. <i>ACS Applied Nano Materials</i> , 2021, 4, 9008-9021.	5.0	15
6	VO <sub>2</sub> Nanostructures for Batteries and Supercapacitors: A Review. <i>Small</i> , 2021, 17, e2006651.	10.0	82
7	Iron-Carbon Hybrid Magnetic Nanosheets for Adsorption-Removal of Organic Dyes and 4-Nitrophenol from Aqueous Solution. <i>ACS Applied Nano Materials</i> , 2020, 3, 1571-1582.	5.0	72
8	Chemically induced transformation of chemical vapour deposition grown bilayer graphene into fluorinated single-layer diamond. <i>Nature Nanotechnology</i> , 2020, 15, 59-66.	31.5	184
9	Femtomolar detection of thiram via SERS using silver nanocubes as an efficient substrate. <i>Environmental Science: Nano</i> , 2020, 7, 3999-4009.	4.3	30
10	Modern Chemical Routes for the Controlled Synthesis of Anisotropic Bimetallic Nanostructures and Their Application in Catalysis. <i>Frontiers in Chemistry</i> , 2020, 8, 357.	3.6	34
11	Gold Nanorods as an Efficient Substrate for the Detection and Degradation of Pesticides. <i>Langmuir</i> , 2020, 36, 7332-7344.	3.5	19
12	Partially Graphitized Iron-Carbon Hybrid Composite as an Electrochemical Supercapacitor Material. <i>ChemElectroChem</i> , 2020, 7, 1928-1934.	3.4	7
13	The efficient mixed matrix antifouling membrane for surfactant stabilized oil-in-water nanoemulsion separation. <i>Journal of Water Process Engineering</i> , 2019, 32, 100959.	5.6	16
14	Remarkably selective biocompatible turn-on fluorescent probe for detection of Fe <sup>3+</sup> in human blood samples and cells. <i>RSC Advances</i> , 2019, 9, 27439-27448.	3.6	24
15	Paper based field deployable sensor for naked eye monitoring of copper (II) ions; elucidation of binding mechanism by DFT studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 223, 117291.	3.9	24
16	Facile Production of Mesoporous WO <sub>3</sub> -rGO Hybrids for High-Performance Supercapacitor Electrodes: An Experimental and Computational Study. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2350-2359.	6.7	75
17	Colossal grain growth yields single-crystal metal foils by contact-free annealing. <i>Science</i> , 2018, 362, 1021-1025.	12.6	158
18	Visible light induced degradation of pollutant dyes using a self-assembled graphene oxide-molybdenum oxo-bis(dithiolene) composite. <i>New Journal of Chemistry</i> , 2018, 42, 14229-14238.	2.8	5

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19	Biocharring of natural fibers of insect and plant origin: a green route for the production of carbon-based charge storage nanomaterials <sup>TM</sup> . <i>Materials for Renewable and Sustainable Energy</i> , 2018, 7, 1.	3.6	5
20	Structural insights into hydrogenated graphite prepared from fluorinated graphite through Birch-type reduction. <i>Carbon</i> , 2017, 121, 309-321.	10.3	12
21	Sodide and Organic Halides Effect Covalent Functionalization of Single-Layer and Bilayer Graphene. <i>Journal of the American Chemical Society</i> , 2017, 139, 4202-4210.	13.7	27
22	Nano-iron pyrite seed dressing: a sustainable intervention to reduce fertilizer consumption in vegetable (beetroot, carrot), spice (fenugreek), fodder (alfalfa), and oilseed (mustard, sesamum) crops. <i>Nanotechnology for Environmental Engineering</i> , 2016, 1, 1.	3.3	65
23	Nanocerium oxide increases the survival of adult rod and cone photoreceptor in culture by abrogating hydrogen peroxide-induced oxidative stress. <i>Biointerphases</i> , 2016, 11, 031016.	1.6	9
24	The seed stimulant effect of nano iron pyrite is compromised by nano cerium oxide: regulation by the trace ionic species generated in the aqueous suspension of iron pyrite. <i>RSC Advances</i> , 2016, 6, 67029-67038.	3.6	21
25	Heavily nitrogen doped, graphene supercapacitor from silk cocoon. <i>Electrochimica Acta</i> , 2015, 160, 244-253.	5.2	172
26	Carbon nanoparticles in biochar <sup>TM</sup> boost wheat ( <i>Triticum aestivum</i> ) plant growth. <i>RSC Advances</i> , 2014, 4, 39948.	3.6	117
27	Involuntary graphene intake with food and medicine. <i>RSC Advances</i> , 2014, 4, 30162.	3.6	19
28	Water soluble nanocarbons arrest the growth of mosquitoes. <i>RSC Advances</i> , 2013, 3, 22504.	3.6	33
29	Fluorescence imaging of human erythrocytes by carbon nanoparticles isolated from food stuff and their fluorescence enhancement by blood plasma. <i>Materials Express</i> , 2013, 3, 201-209.	0.5	24
30	Synthesis of carbogenic nanosphere from peanut skin. <i>Diamond and Related Materials</i> , 2012, 24, 11-14.	3.9	42
31	Non-Toxicity of Water Soluble Multi-Walled Carbon Nanotube on <i>Escherichia-coli</i> Colonies. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 1754-1759.	0.9	19
32	Nanocomposites of carbon quantum dots-nickel(ii) dithiolene as nanolights. <i>Journal of Materials Chemistry</i> , 2011, 21, 19210.	6.7	15
33	Carbon Nano-onions for Imaging the Life Cycle of <i>Drosophila Melanogaster</i> . <i>Small</i> , 2011, 7, 3170-3177.	10.0	115
34	Life Cycle Imaging: Carbon Nano-onions for Imaging the Life Cycle of <i>Drosophila Melanogaster</i> (Small) Tj ETQq0 0 0 rgBT /Overlock 10 T	10.0	115
35	Multiwalled Carbon Nanotube-Polystyrene Composite Modified Pt Electrode as an Electrochemical Gas Sensor. <i>Advanced Science Letters</i> , 2011, 4, 558-560.	0.2	4
36	Carbon Nanocubes and Nanobricks from Pyrolysis of Rice. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 4064-4067.	0.9	26