Sumit Saxena

List of Publications by Year
in descending order

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57	1,324	430442	360668
papers	citations	18 h-index	35 g-index

58	58	58	1944
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fully Solution-Processed ZnO Nanorod Array/PEDOT:PSS Heterojunction Photodetector for Ultraviolet Light. IEEE Electron Device Letters, 2022, 43, 260-263.	2.2	16
2	Surface-Modified Nanoporous Membrane for Oilâ€“Water Separation. Water, Air, and Soil Pollution, 2022, 233, 1.	1.1	11
3	Modified PVA membrane for separation of micro-emulsion. Science of the Total Environment, 2022, 822, 153610.	3.9	18
4	Role of functionalized graphene quantum dots in hydrogen evolution reaction: A density functional theory study. International Journal of Hydrogen Energy, 2022, 47, 41748-41758.	3.8	12
5	Nanodefects assisted removal of reactive dyes using biomass derived reduced 3D-OGFs. Journal of Cleaner Production, 2022, 362, 132257.	4.6	4
6	Fabrication of Sub-wavelength Resolved Silver Acrylate Composite Microstructures. , 2021, , .		2
7	Theoretical and Computational Investigations of Carbon Nanostructures. Advances in Sustainability Science and Technology, 2021, , 139-164.	0.4	0
8	Graphene-Based Coronal Hybrids for Enhanced Energy Storage. Energy Material Advances, 2021, 2021, .	4.7	12
9	Siloxene: A novel 2D photocatalyst for degradation of dye molecules. Nano Structures Nano Objects, 2021, 26, 100721.	1.9	9
10	Two-photon lithography of fluorescence-encoded quick-read micro-code for anti-counterfeiting applications. JPhys Photonics, 2021, 3, 034021.	2.2	19
11	Additive-Free All-Carbon Composite: A Two-Photon Material System for Nanopatterning of Fluorescent Sub-Wavelength Structures. ACS Nano, 2021, 15, 14193-14206.	7.3	17
12	Surface enhanced Co-Mn double hydroxide coronal architectures for hybrid energy storage. Materials Letters, 2021, 296, 129904.	1.3	3
13	H- and T-Li2O monolayers: Latest addition to 2D flatlands. Applied Surface Science, 2021, 556, 149737.	3.1	5
14	Nitrogen doped carbon quantum dots as Co-active materials for highly efficient dye sensitized solar cells. Carbon, 2021, 183, 169-175.	5.4	35
15	Î²-Cyclodextrin functionalized rGO films for lead sensing. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 272, 115323.	1.7	8
16	Two-photon lithography of subwavelength plasmonic microstructures in metal-polymer composite resin. Materials Letters, 2021, 304, 130642.	1.3	15
17	Femtosecond Laser Assisted Fabrication of Nanopatterned Fluorescent Quick Response Code for Anti-counterfeiting Application. , 2021, , .		0
18	Two-photon Lithography of Cloaked Fluorescent Microstructures for Anti-counterfeiting Applications. , 2021, , .		0

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19	Resolution-strength Interplay in Femtosecond Laser-Assisted Fabrication. , 2021, , .		1
20	Surface enhanced 3D rGO hybrids and porous rGO nano-networks as high performance supercapacitor electrodes for integrated energy storage devices. Carbon, 2020, 158, 527-535.	5.4	43
21	Spin filtering in oxidized zigzag graphene nanoribbons. Diamond and Related Materials, 2020, 102, 107662.	1.8	4
22	Coreâ€“shell Î±-Fe2O3-mixed phase TiO2 nanocubes as a highway for electron transport with efficient energy harvesting. Molecular Systems Design and Engineering, 2020, 5, 797-803.	1.7	2
23	Evaluation of techniques for the remediation of antibiotic-contaminated water using activated carbon. Molecular Systems Design and Engineering, 2020, 5, 743-756.	1.7	21
24	Synthesis of Oval Nitrogen Doped Carbon Quantum Dots by Microwave Assisted Pyrolysis. , 2020, , .		2
25	Quantum conductance in edge functionalized stanene nanoribbons: A first-principle study. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 114, 113595.	1.3	2
26	Optical properties of TAG co-doped with Ce and Eu. Bulletin of Materials Science, 2019, 42, 1.	0.8	5
27	Surface Engineering of Graphene Oxide Shells Using Lamellar LDH Nanostructures. ACS Applied Materials & Interfaces, 2019, 11, 20232-20240.	4.0	49
28	Synthesis and patterning of graphene: Strategies and prospects. Applied Physics Reviews, 2019, 6, .	5.5	51
29	Rationally engineered 3D-dendritic cell-like morphologies of LDH nanostructures using graphene-based coreâ€“shell structures. Microsystems and Nanoengineering, 2019, 5, 65.	3.4	34
30	3D Oxidized Graphene Frameworks: An Efficient Adsorbent for Methylene Blue. Jom, 2018, 70, 469-472.	0.9	9
31	Predicting double negativity using transmitted phase in space coiling metamaterials. Royal Society Open Science, 2018, 5, 171042.	1.1	6
32	Electronic Transport in Oxidized Zigzag Graphene Nanoribbons. MRS Advances, 2017, 2, 97-101.	0.5	1
33	Localized polymerization using single photon photoinitiators in two-photon process for fabricating subwavelength structures. Polymer, 2017, 117, 364-369.	1.8	21
34	Sub-wavelength lithography of complex 2D and 3D nanostructures without two-photon dyes. Additive Manufacturing, 2017, 16, 30-34.	1.7	12
35	Quantification of Adsorption of Azo Dye Molecules on Graphene Oxide Using Optical Spectroscopy. Jom, 2017, 69, 236-240.	0.9	5
36	Excitation dependence of the photoluminescence of ZnO: Tb nanophosphor. AIP Conference Proceedings, 2017, , .	0.3	1

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37	Photoluminescence properties of Gd:ZnO nano phosphor. Journal of Sol-Gel Science and Technology, 2017, 81, 586-592.	1.1	23
38	Water Purification using Graphene Covered Micro-porous, Reusable Carbon Membrane. MRS Advances, 2016, 1, 1411-1416.	0.5	7
39	Double Negativity in 3D Space Coiling Metamaterials. Scientific Reports, 2016, 6, 33683.	1.6	30
40	Introduction to Boron Nanostructures. , 2016, , 1-12.		1
41	Graphene oxide â€“ Polyvinyl alcohol nanocomposite based electrode material for supercapacitors. Journal of Power Sources, 2016, 321, 102-105.	4.0	25
42	3D Oxidized Graphene Frameworks for Efficient Nano Sieving. Scientific Reports, 2016, 6, 21150.	1.6	18
43	Optical properties of stanene. Nanotechnology, 2016, 27, 495701.	1.3	16
44	Stanene: Atomically Thick Free-standing Layer of 2D Hexagonal Tin. Scientific Reports, 2016, 6, 31073.	1.6	131
45	Synthesis of self-assembled large area films of complex hierarchical PZT clusters. Materials Research Express, 2016, 3, 025006.	0.8	0
46	Optical properties of few layered graphene quantum dots. Materials Research Express, 2015, 2, 095024.	0.8	40
47	Looking beyond single electron extraction in cathode materials for lithium ion batteries. Journal of Power Sources, 2015, 279, 563-566.	4.0	0
48	2d And 3d Acoustic Metamaterials Using Space Coil Design. Materials Research Society Symposia Proceedings, 2015, 1753, 49.	0.1	0
49	Plasmonic Micro Lens for Extraordinary Transmission of Broadband Light. Scientific Reports, 2014, 4, 5586.	1.6	15
50	Spectroscopic investigation of confinement effects on optical properties of graphene oxide. Applied Physics Letters, 2011, 98, .	1.5	80
51	Investigation of structural and electronic properties of graphene oxide. Applied Physics Letters, 2011, 99, .	1.5	252
52	Ab initio density functional studies of the restructuring of graphene nanoribbons to form tailored single walled carbon nanotubes. Carbon, 2010, 48, 1153-1158.	5.4	25
53	Insights on the Atomic and Electronic Structure of Boron Nanoribbons. Physical Review Letters, 2010, 104, 245502.	2.9	39
54	Interacting Quasi-Two-Dimensional Sheets of Interlinked Carbon Nanotubes: A High-Pressure Phase of Carbon. ACS Nano, 2010, 4, 3515-3521.	7.3	29

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55	Investigation of the Local Structure of Graphene Oxide. Journal of Physical Chemistry Letters, 2010, 1, 3433-3437.	2.1	115
56	Citrate - Nitrate route for the synthesis and characterization of TAG using sol-gel techniques. Journal of Sol-Gel Science and Technology, 2007, 41, 245-248.	1.1	12
57	Solâ€“gel preparation and optical characterization of TbxY3â^'xAl5O12. Materials Letters, 2006, 60, 1315-1318.	1.3	11