

Suneel Kumar Srivastava

List of Publications by Year in descending order

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59
papers

3,191
citations

159585
30
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all docs

65
docs citations

65
times ranked

4420
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advancements in the electromagnetic interference shielding performance of nanostructured materials and their nanocomposites: a review. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7431-7496.	10.3	67
2	Hierarchically hollow interconnected rings of nickel substituted cobalt carbonate hydroxide hydrate as promising oxygen evolution electrocatalyst. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 22430-22441.	7.1	8
3	Recent advances on the removal of dyes from wastewater using various adsorbents: a critical review. <i>Materials Advances</i> , 2021, 2, 4497-4531.	5.4	421
4	Fabrication of N-Doped Reduced Graphite Oxide/MnCo ₂ O ₄ Nanocomposites for Enhanced Microwave Absorption Performance. <i>Langmuir</i> , 2021, 37, 2213-2226.	3.5	24
5	Enhanced Supercapacitor Performance and Electromagnetic Interference Shielding Effectiveness of CuS Quantum Dots Grown on Reduced Graphene Oxide Sheets. <i>ACS Omega</i> , 2021, 6, 4582-4596.	3.5	36
6	Reduced Graphene Oxide/Fe ₃ O ₄ /Polyaniline Ternary Composites as a Superior Microwave Absorber in the Shielding of Electromagnetic Pollution. <i>ACS Omega</i> , 2021, 6, 9164-9175.	3.5	49
7	Functionalized Graphene/Nickel/Polyaniline Ternary Nanocomposites: Fabrication and Application as Electromagnetic Wave Absorbers. <i>Langmuir</i> , 2021, 37, 7430-7441.	3.5	7
8	Ru-Doped CuO/MoS ₂ Nanostructures as Bifunctional Water-Splitting Electrocatalysts in Alkaline Media. <i>ACS Applied Nano Materials</i> , 2021, 4, 7675-7685.	5.0	29
9	Fabrication of High Dielectric Materials Through Selective Insertion of Functionalized Reduced Graphene Oxide on Hard Segment of Thermoplastic Polyurethane. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 5569-5582.	0.9	0
10	Electromagnetic Interference Shielding Effectiveness of Room Temperature Fabricated Manganese Dioxide/Carbon Dots Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 5542-5555.	0.9	3
11	Polypyrrole-polyaniline copolymer coated green rice husk ash as an effective adsorbent for the removal of hexavalent chromium from contaminated water. <i>Materials Advances</i> , 2021, 2, 2431-2443.	5.4	22
12	Room-Temperature One-Step Synthesis of Silver/Reduced Graphene Oxide Nanocomposites as an Excellent Microwave Absorber. <i>Langmuir</i> , 2021, 37, 13409-13419.	3.5	3
13	Hollow Polyaniline Microsphere/MnO ₂ /Fe ₃ O ₄ Nanocomposites in Adsorptive Removal of Toxic Dyes from Contaminated Water. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 54324-54338.	8.0	32
14	Î-MnO ₂ Nanoflowers and Their Reduced Graphene Oxide Nanocomposites for Electromagnetic Interference Shielding. <i>ACS Applied Nano Materials</i> , 2020, 3, 11048-11059.	5.0	46
15	Transition-Metal-Substituted Cobalt Carbonate Hydroxide Nanostructures as Electrocatalysts in Alkaline Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2020, 3, 7335-7344.	5.1	25
16	Superior supercapacitor performance of Bi ₂ S ₃ nanorod/reduced graphene oxide composites. <i>Dalton Transactions</i> , 2020, 49, 16993-17004.	3.3	20
17	Hierarchical Assembly of Nanodimensional Silver-Silver Oxide Physical Gels Controlling Nosocomial Infections. <i>ACS Omega</i> , 2020, 5, 32617-32631.	3.5	9
18	Hollow Polyaniline Microsphere/Fe ₃ O ₄ Nanocomposite as an Effective Adsorbent for Removal of Arsenic from Water. <i>Scientific Reports</i> , 2020, 10, 4982.	3.3	75

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19	N, Ru Codoped Pellet Drum Bundle-Like Sb ₂ S ₃ : An Efficient Hydrogen Evolution Reaction and Hydrogen Oxidation Reaction Electrocatalyst in Alkaline Medium. ACS Applied Materials & Interfaces, 2020, 12, 7057-7070.	8.0	28
20	Tuning of Shells in Trilaminar Core@Shell Nanocomposites in Controlling Electromagnetic Interference through Switching of the Shielding Mechanism. Langmuir, 2020, 36, 4519-4531.	3.5	16
21	Multiwalled Carbon Nanotubes/Hectorite Hybrid Reinforced Styrene Butadiene Rubber Nanocomposite: Preparation and Properties. Polymer-Plastics Technology and Materials, 2019, 58, 537-546.	1.3	2
22	<i>In situ</i> fabricated nickel vanadate/N-doped reduced graphene oxide hybrid as an advanced electrocatalyst in alkaline hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 15054-15061.	10.3	35
23	Nanostructured ZrO ₂ /MWCNT Hybrid Materials: Fabrication, Characterization and Applications in Shielding of Electromagnetic Pollution. Journal of Nanoscience and Nanotechnology, 2019, 19, 3367-3375.	0.9	12
24	FABRICATION OF ELASTOMER BLENDS INVOLVING CORE (POLYSTYRENE)@SHELL (POLYANILINE) APPROACH, THEIR CHARACTERIZATION AND APPLICATIONS IN ELECTROMAGNETIC SHIELDING. Rubber Chemistry and Technology, 2018, 91, 97-119.	1.2	6
25	Nanocarbon Reinforced Rubber Nanocomposites: Detailed Insights about Mechanical, Dynamical Mechanical Properties, Payne, and Mullin Effects. Nanomaterials, 2018, 8, 945.	4.1	72
26	Sulphur edge and vacancy assisted nitrogen-phosphorus co-doped exfoliated tungsten disulfide: a superior electrocatalyst for hydrogen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 19712-19726.	10.3	40
27	Green Synthesis of Carbon Dot Weak Gel from Pear Juice: Optical Properties and Sensing Application. ChemistrySelect, 2018, 3, 8444-8457.	1.5	14
28	Magnesium Aluminium Layered Double Hydroxide Assisted Dispersion of Multiwalled Carbon Nanotubes for Enhanced Reinforcement of Ethylene-co-Vinyl Acetate Matrix. Macromolecular Research, 2018, 26, 868-871.	2.4	4
29	Contrasting Role of Defect-Induced Carbon Nanotubes in Electromagnetic Interference Shielding. Journal of Physical Chemistry C, 2018, 122, 19913-19920.	3.1	33
30	Ethylene-co-Vinyl Acetate/MWCNTs/Hectorite Elastomeric Nanocomposites: Characterization and Electrical Properties. Journal of Nanoscience and Nanotechnology, 2018, 18, 4057-4064.	0.9	5
31	Deposition of Tin Oxide Thin Films by Successive Ionic Layer Adsorption Reaction Method and Its Characterization. Journal of Nanoscience and Nanotechnology, 2018, 18, 2569-2575.	0.9	3
32	Interconnected Copper Cobaltite Nanochains as Efficient Electrocatalysts for Water Oxidation in Alkaline Medium. ACS Applied Materials & Interfaces, 2017, 9, 22378-22387.	8.0	56
33	Fe ₃ O ₄ @Carbon@Polyaniline Trilaminar Core-Shell Composites as Superior Microwave Absorber in Shielding of Electromagnetic Pollution. ACS Sustainable Chemistry and Engineering, 2017, 5, 10710-10721.	6.7	161
34	Camphor Mediated Combustion and Sublimation: A Unique Approach in Articulation of Enhanced Defects in Pristine MWCNTs. Journal of Physical Chemistry C, 2017, 121, 18214-18220.	3.1	7
35	Fabrication of functionalized graphene filled carboxylated nitrile rubber nanocomposites as flexible dielectric materials. Materials Chemistry Frontiers, 2017, 1, 780-788.	5.9	39
36	Role of Enhanced Hydrogen Bonding of Selectively Reduced Graphite Oxide in Fabrication of Poly(vinyl alcohol) Nanocomposites in Water as EMI Shielding Material. Journal of Physical Chemistry C, 2016, 120, 17011-17023.	3.1	50

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37	Effect of Dodecyl Amine Functionalized Graphene on the Mechanical and Thermal Properties of Epoxy-Based Composites. <i>Polymer Engineering and Science</i> , 2016, 56, 1221-1228.	3.1	31
38	Facile noncovalent assembly of MWCNT-LDH and CNF-LDH as reinforcing hybrid fillers in thermoplastic polyurethane/nitrile butadiene rubber blends. <i>Journal of Polymer Research</i> , 2016, 23, 1.	2.4	19
39	Three-dimensional $\text{NiCo}_2\text{O}_4/\text{NiCo}_2\text{S}_4$ hybrid nanostructure on Ni-foam as a high-performance supercapacitor electrode. <i>RSC Advances</i> , 2016, 6, 95760-95767.	3.6	46
40	Assembly of layered double hydroxide on multi-walled carbon nanotubes as reinforcing hybrid nanofiller in thermoplastic polyurethane/nitrile butadiene rubber blends. <i>Polymer International</i> , 2016, 65, 93-101.	3.1	22
41	Montmorillonite-multiwalled carbon nanotube nanoarchitecture reinforced thermoplastic polyurethane. <i>Polymer Composites</i> , 2016, 37, 1775-1785.	4.6	27
42	Synergistic effect of carbon nanotubes and clay platelets in reinforcing properties of silicone rubber nanocomposites. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	39
43	Mechanically and Thermally Enhanced Multiwalled Carbon Nanotube-Graphene Hybrid filled Thermoplastic Polyurethane Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 346-357.	3.6	45
44	Nanostructured copper sulfides: synthesis, properties and applications. <i>CrystEngComm</i> , 2015, 17, 7801-7815.	2.6	148
45	Nanostructured anode materials for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2454-2484.	10.3	690
46	Synergistic effect of three-dimensional multi-walled carbon nanotube-graphene nanofiller in enhancing the mechanical and thermal properties of high-performance silicone rubber. <i>Polymer International</i> , 2014, 63, 1219-1228.	3.1	107
47	SERS active Ag encapsulated Fe@SiO_2 nanorods in electromagnetic wave absorption and crystal violet detection. <i>Environmental Research</i> , 2014, 135, 95-104.	7.5	35
48	EPDM/silicone blend layered silicate nanocomposite by solution intercalation method: Morphology and properties. <i>Polymer Composites</i> , 2014, 35, 1834-1841.	4.6	21
49	Graphene nanocomposites of CdS and ZnS in effective water purification. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	26
50	TiS_2 -MWCNT hybrid as high performance anode in lithium-ion battery. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	36
51	Ultrasound assisted synthesis of a polyaniline hollow microsphere/Ag core/shell structure for sensing and catalytic applications. <i>RSC Advances</i> , 2013, 3, 7808.	3.6	37
52	Preparation and properties of in-situ polymerized polyurethane/stearate intercalated layer double hydroxide nanocomposites. <i>Polymer International</i> , 2013, 62, 728-735.	3.1	10
53	Effect of bilayered stearate ion-modified Mg_3Al layered double hydroxide on the thermal and mechanical properties of silicone rubber nanocomposites. <i>Polymer International</i> , 2012, 61, 458-465.	3.1	35
54	Structure-property relationship of polyurethane/modified magnesium aluminium layered double hydroxide nanocomposites. <i>International Journal of Plastics Technology</i> , 2011, 15, 61-68.	3.1	14

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55	Morphology and properties of stearateâ€intercalated layered double hydroxide nanoplateletâ€reinforced thermoplastic polyurethane. Polymer International, 2011, 60, 772-780.	3.1	32
56	Preparation and characterization of exfoliated layered double hydroxide/silicone rubber nanocomposites. Journal of Applied Polymer Science, 2011, 119, 343-351.	2.6	42
57	Morphology Evolution of Sb ₂ S ₃ under Hydrothermal Conditions: Flowerlike Structure to Nanorods. Crystal Growth and Design, 2008, 8, 2019-2023.	3.0	62
58	Polypyrrole Coating of Tartaric Acid-Assisted Synthesized Bi ₂ S ₃ Nanorods. Journal of Physical Chemistry C, 2007, 111, 12260-12264.	3.1	56
59	Rubber-clay nanocomposite by solution blending. Journal of Applied Polymer Science, 2003, 87, 2216-2220.	2.6	124