Suneel Kumar Srivastava

List of Publications by Year
in descending order

59 papers	3,191 citations	159525 30 h-index	155592 55 g-index
65 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. Journal of Materials Chemistry A, 2022, 10, 7431-7496.	5.2	67
2	Hierarchically hollow interconnected rings of nickel substituted cobalt carbonate hydroxide hydrate as promising oxygen evolution electrocatalyst. International Journal of Hydrogen Energy, 2022, 47, 22430-22441.	3.8	8
3	Recent advances on the removal of dyes from wastewater using various adsorbents: a critical review. Materials Advances, 2021, 2, 4497-4531.	2.6	421
4	Fabrication of N-Doped Reduced Graphite Oxide/MnCo₂O₄ Nanocomposites for Enhanced Microwave Absorption Performance. Langmuir, 2021, 37, 2213-2226.	1.6	24
5	Enhanced Supercapacitor Performance and Electromagnetic Interference Shielding Effectiveness of CuS Quantum Dots Grown on Reduced Graphene Oxide Sheets. ACS Omega, 2021, 6, 4582-4596.	1.6	36
6	Reduced Graphene Oxide/Fe₃O₄/Polyaniline Ternary Composites as a Superior Microwave Absorber in the Shielding of Electromagnetic Pollution. ACS Omega, 2021, 6, 9164-9175.	1.6	49
7	Functionalized Graphene/Nickel/Polyaniline Ternary Nanocomposites: Fabrication and Application as Electromagnetic Wave Absorbers. Langmuir, 2021, 37, 7430-7441.	1.6	7
8	Ru-Doped CuO/MoS₂ Nanostructures as Bifunctional Water-Splitting Electrocatalysts in Alkaline Media. ACS Applied Nano Materials, 2021, 4, 7675-7685.	2.4	29
9	Fabrication of High Dielectric Materials Through Selective Insertion of Functionalized Reduced Graphene Oxide on Hard Segment of Thermoplastic Polyurethane. Journal of Nanoscience and Nanotechnology, 2021, 21, 5569-5582.	0.9	0
10	Electromagnetic Interference Shielding Effectiveness of Room Temperature Fabricated Manganese Dioxide/Carbon Dots Nanocomposites. Journal of Nanoscience and Nanotechnology, 2021, 21, 5542-5555.	0.9	3
11	Polypyrroleâ€“polyaniline copolymer coated green rice husk ash as an effective adsorbent for the removal of hexavalent chromium from contaminated water. Materials Advances, 2021, 2, 2431-2443.	2.6	22
12	Room-Temperature One-Step Synthesis of Silver/Reduced Graphene Oxide Nanocomposites as an Excellent Microwave Absorber. Langmuir, 2021, 37, 13409-13419.	1.6	3
13	Hollow Polyaniline Microsphere/MnO₂/Fe₃O₄ Nanocomposites in Adsorptive Removal of Toxic Dyes from Contaminated Water. ACS Applied Materials & Interfaces, 2021, 13, 54324-54338.	4.0	32
14	Î´-MnO₂ Nanoflowers and Their Reduced Graphene Oxide Nanocomposites for Electromagnetic Interference Shielding. ACS Applied Nano Materials, 2020, 3, 11048-11059.	2.4	46
15	Transition-Metal-Substituted Cobalt Carbonate Hydroxide Nanostructures as Electrocatalysts in Alkaline Oxygen Evolution Reaction. ACS Applied Energy Materials, 2020, 3, 7335-7344.	2.5	25
16	Superior supercapacitor performance of Bi₂S₃ nanorod/reduced graphene oxide composites. Dalton Transactions, 2020, 49, 16993-17004.	1.6	20
17	Hierarchical Assembly of Nanodimensional Silverâ€“Silver Oxide Physical Gels Controlling Nosocomial Infections. ACS Omega, 2020, 5, 32617-32631.	1.6	9
18	Hollow Polyaniline Microsphere/Fe3O4 Nanocomposite as an Effective Adsorbent for Removal of Arsenic from Water. Scientific Reports, 2020, 10, 4982.	1.6	75

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19	N, Ru Codoped Pellet Drum Bundle-Like Sb₂S₃: An Efficient Hydrogen Evolution Reaction and Hydrogen Oxidation Reaction Electrocatalyst in Alkaline Medium. ACS Applied Materials & Interfaces, 2020, 12, 7057-7070.	4.0	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.	1.6	16
21	Multiwalled Carbon Nanotubes/Hectorite Hybrid Reinforced Styrene Butadiene Rubber Nanocomposite: Preparation and Properties. Polymer-Plastics Technology and Materials, 2019, 58, 537-546.	0.6	2
22	In situ 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.	5.2	35
23	Nanostructured ZrO₂/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.	0.6	6
25	Nanocarbon Reinforced Rubber Nanocomposites: Detailed Insights about Mechanical, Dynamical Mechanical Properties, Payne, and Mullin Effects. Nanomaterials, 2018, 8, 945.	1.9	72
26	Sulphur edge and vacancy assisted nitrogenâ€“phosphorus co-doped exfoliated tungsten disulfide: a superior electrocatalyst for hydrogen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 19712-19726.	5.2	40
27	Green Synthesis of Carbon Dot Weak Gel from Pear Juice: Optical Properties and Sensing Application. ChemistrySelect, 2018, 3, 8444-8457.	0.7	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.	1.0	4
29	Contrasting Role of Defect-Induced Carbon Nanotubes in Electromagnetic Interference Shielding. Journal of Physical Chemistry C, 2018, 122, 19913-19920.	1.5	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.	4.0	56
33	Fe₃O₄@Carbon@Polyaniline Trilaminar Coreâ€“Shell Composites as Superior Microwave Absorber in Shielding of Electromagnetic Pollution. ACS Sustainable Chemistry and Engineering, 2017, 5, 10710-10721.	3.2	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.	1.5	7
35	Fabrication of functionalized graphene filled carboxylated nitrile rubber nanocomposites as flexible dielectric materials. Materials Chemistry Frontiers, 2017, 1, 780-788.	3.2	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.	1.5	50

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37	Effect of Dodecyal Amine Functionalized Graphene on the Mechanical and Thermal Properties of Epoxyâ€Based Composites. Polymer Engineering and Science, 2016, 56, 1221-1228.	1.5	31
38	Facile noncovalent assembly of MWCNT-LDH and CNF-LDH as reinforcing hybrid fillers in thermoplastic polyurethane/nitrile butadiene rubber blends. Journal of Polymer Research, 2016, 23, 1.	1.2	19
39	Three-dimensional NiCo₂O₄/NiCo₂S₄hybrid nanostructure on Ni-foam as a high-performance supercapacitor electrode. RSC Advances, 2016, 6, 95760-95767.	1.7	46
40	Assembly of layered double hydroxide on multiâ€walled carbon nanotubes as reinforcing hybrid nanofiller in thermoplastic polyurethane/nitrile butadiene rubber blends. Polymer International, 2016, 65, 93-101.	1.6	22
41	Montmorilloniteâ€“multiwalled carbon nanotube nanoarchitecture reinforced thermoplastic polyurethane. Polymer Composites, 2016, 37, 1775-1785.	2.3	27
42	Synergistic effect of carbon nanotubes and clay platelets in reinforcing properties of silicone rubber nanocomposites. Journal of Applied Polymer Science, 2015, 132, .	1.3	39
43	Mechanically and Thermally Enhanced Multiwalled Carbon Nanotubeâ€“Graphene Hybrid filled Thermoplastic Polyurethane Nanocomposites. Macromolecular Materials and Engineering, 2015, 300, 346-357.	1.7	45
44	Nanostructured copper sulfides: synthesis, properties and applications. CrystEngComm, 2015, 17, 7801-7815.	1.3	148
45	Nanostructured anode materials for lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 2454-2484.	5.2	690
46	Synergistic effect of threeâ€dimensional multiâ€walled carbon nanotubeâ€“graphene nanofiller in enhancing the mechanical and thermal properties of highâ€performance silicone rubber. Polymer International, 2014, 63, 1219-1228.	1.6	107
47	SERS active Ag encapsulated Fe@SiO2 nanorods in electromagnetic wave absorption and crystal violet detection. Environmental Research, 2014, 135, 95-104.	3.7	35
48	EPDM/silicone blend layered silicate nanocomposite by solution intercalation method: Morphology and properties. Polymer Composites, 2014, 35, 1834-1841.	2.3	21
49	Graphene nanocomposites of CdS and ZnS in effective water purification. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	26
50	TiS2â€“MWCNT hybrid as high performance anode in lithium-ion battery. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	36
51	Ultrasound assisted synthesis of a polyaniline hollow microsphere/Ag core/shell structure for sensing and catalytic applications. RSC Advances, 2013, 3, 7808.	1.7	37
52	Preparation and properties of inâ€situ polymerized polyurethane/stearate intercalated layer double hydroxide nanocomposites. Polymer International, 2013, 62, 728-735.	1.6	10
53	Effect of bilayered stearate ionâ€modified Mgï£¿Al layered double hydroxide on the thermal and mechanical properties of silicone rubber nanocomposites. Polymer International, 2012, 61, 458-465.	1.6	35
54	Structureâ€“property relationship of polyurethane/modified magnesium aluminium layered double hydroxide nanocomposites. International Journal of Plastics Technology, 2011, 15, 61-68.	2.9	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.	1.6	32
56	Preparation and characterization of exfoliated layered double hydroxide/silicone rubber nanocomposites. Journal of Applied Polymer Science, 2011, 119, 343-351.	1.3	42
57	Morphology Evolution of Sb₂S₃ under Hydrothermal Conditions: Flowerlike Structure to Nanorods. Crystal Growth and Design, 2008, 8, 2019-2023.	1.4	62
58	Polypyrrole Coating of Tartaric Acid-Assisted Synthesized Bi₂S₃ Nanorods. Journal of Physical Chemistry C, 2007, 111, 12260-12264.	1.5	56
59	Rubber-clay nanocomposite by solution blending. Journal of Applied Polymer Science, 2003, 87, 2216-2220.	1.3	124