Sridhar Vadahanambi

List of Publications by Year
in descending order

61 papers	2,043 citations	236612 25 h-index	243296 44 g-index
62 all docs	62 docs citations	62 times ranked	3055 citing authors

#	Article	IF	Citations
1	Coordination Polymer Framework-Derived Ni-N-Doped Carbon Nanotubes for Electro-Oxidation of Urea. Materials, 2022, 15, 2048.	1.3	2
2	Metal-Organic Framework Reinforced Acrylic Polymer Marine Coatings. Materials, 2022, 15, 27.	1.3	5
3	Metal Organic Frameworks Derived Fe-N-C Nanostructures as High-Performance Electrodes for Sodium Ion Batteries and Electromagnetic Interference (EMI) Shielding. Molecules, 2021, 26, 1018.	1.7	9
4	DABCO Derived Nitrogen-Doped Carbon Nanotubes for Oxygen Reduction Reaction (ORR) and Removal of Hexavalent Chromium from Contaminated Water. Materials, 2021, 14, 2871.	1.3	2
5	Taguchi method for optimization of reaction conditions in microwave glycolysis of waste PET. Journal of Material Cycles and Waste Management, 2020, 22, 664-672.	1.6	23
6	Transforming Waste Poly(Ethylene Terephthalate) into Nitrogen Doped Carbon Nanotubes and Its Utility in Oxygen Reduction Reaction and Bisphenol-A Removal from Contaminated Water. Materials, 2020, 13, 4144.	1.3	12
7	Extraction of Microfibrillar Cellulose From Waste Paper by NaOH/Urethane Aqueous System and Its Utility in Removal of Lead from Contaminated Water. Materials, 2020, 13, 2850.	1.3	6
8	Metal Organic Framework Derived MnO2-Carbon Nanotubes for Efficient Oxygen Reduction Reaction and Arsenic Removal from Contaminated Water. Nanomaterials, 2020, 10, 1895.	1.9	6
9	Microwave induced transformation of metal organic frameworks into defect rich carbon nanofibers. New Journal of Chemistry, 2020, 44, 5666-5672.	1.4	10
10	Vitamin Derived Nitrogen Doped Carbon Nanotubes for Efficient Oxygen Reduction Reaction and Arsenic Removal from Contaminated Water. Materials, 2020, 13, 1686.	1.3	6
11	Manganese nitride stabilized on reduced graphene oxide substrate for high performance sodium ion batteries, super-capacitors and EMI shielding. Journal of Alloys and Compounds, 2019, 808, 151748.	2.8	31
12	Zeolitic imidazolate frameworks as novel precursors for microwave synthesis of carbon nanotubes. Journal of Alloys and Compounds, 2019, 781, 166-173.	2.8	13
13	Carbon sheathed molybdenum nitride nanoparticles anchored on reduced graphene oxide as high-capacity sodium-ion battery anodes and supercapacitors. New Journal of Chemistry, 2018, 42, 5668-5673.	1.4	34
14	Carbon nanofiber linked FeS2 mesoporous nano-alloys as high capacity anodes for lithium-ion batteries and supercapacitors. Journal of Alloys and Compounds, 2018, 732, 799-805.	2.8	40
15	Carbon encapsulated cobalt sulfide nano-particles anchored on reduced graphene oxide as high capacity anodes for sodium-ion batteries and glucose sensor. Journal of Alloys and Compounds, 2018, 764, 490-497.	2.8	23
16	Sugar-derived disordered carbon nano-sheets as high-performance electrodes in sodium-ion batteries. New Journal of Chemistry, 2017, 41, 4286-4290.	1.4	12
17	Graphene â€“ carbon nanotube â€“ Mn 3 O 4 mesoporous nano-alloys as high capacity anodes for lithium-ion batteries. Journal of Alloys and Compounds, 2017, 699, 106-111.	2.8	35
18	Hollow SnO₂@carbon coreâ€“shell spheres stabilized on reduced graphene oxide for high-performance sodium-ion batteries. New Journal of Chemistry, 2017, 41, 442-446.	1.4	26

#	Article	IF	Citations
19	Nitrogen doped holey carbon nano-sheets as anodes in sodium ion battery. RSC Advances, 2016, 6, 38112-38116.	1.7	25
20	3D grapheneâ€"carbon nanotubeâ€"nickel ensembles as anodes in sodium-ion batteries. RSC Advances, 2016, 6, 99914-99918.	1.7	6
21	Microwave synthesis of nitrogen-doped carbon nanotubes anchored on graphene substrates. Carbon, 2015, 87, 186-192.	5.4	45
22	Hydroquinone as a single precursor for concurrent reduction and growth of carbon nanotubes on graphene oxide. RSC Advances, 2015, 5, 68270-68275.	1.7	29
23	3D functional hetero-nanostructures of vertically anchored metal oxide nanowire arrays on porous graphene substrates. Carbon, 2014, 79, 330-336.	5.4	6
24	Arsenic Removal from Contaminated Water Using Three-Dimensional Graphene-Carbon Nanotube-Iron Oxide Nanostructures. Environmental Science & Technology, 2013, 47, 130904083814004.	4.6	79
25	Blister Packing of Copper Hydroxide and Titania Nanoparticles on Graphene and Its Recycling. ACS Applied Materials & Interfaces, 2013, 5, 12323-12328.	4.0	11
26	Grapheneâ€"Nanotubeâ€"Iron Hierarchical Nanostructure as Lithium Ion Battery Anode. ACS Nano, 2013, 7, 4242-4251.	7.3	192
27	An ionic liquid-assisted method for splitting carbon nanotubes to produce graphene nano-ribbons by microwave radiation. Carbon, 2013, 53, 391-398.	5.4	65
28	Microwave synthesis of three dimensional graphene-based shell-plate hybrid nanostructures. Carbon, 2013, 61, 633-639.	5.4	20
29	Graphene reinforced biodegradable poly(3-hydroxybutyrate-co-4-hydroxybutyrate) nano-composites. EXPRESS Polymer Letters, 2013, 7, 320-328.	1.1	110
30	Defect-Engineered Three-Dimensional Grapheneâ€"Nanotubeâ€"Palladium Nanostructures with Ultrahigh Capacitance. ACS Nano, 2012, 6, 10562-10570.	7.3	141
31	Role of Different Nanoparticles in Elastomeric Nanocomposites. Advanced Structured Materials, 2011, , 3-55.	0.3	6
32	A Novel Biocompatible Actuator Based on Electrospun Cellulose Acetate. Advanced Materials Research, 2011, 214, 359-363.	0.3	3
33	Electrospun Fullerenol-Cellulose Biocompatible Actuators. Biomacromolecules, 2011, 12, 2048-2054.	2.6	59
34	Microwave extraction of graphene from carbon fibers. Carbon, 2011, 49, 222-226.	5.4	33
35	Microwave syntheses of graphene and graphene decorated with metal nanoparticles. Carbon, 2011, 49, 4449-4457.	5.4	59
36	Electro-active grapheneâ€"Nafion actuators. Carbon, 2011, 49, 1279-1289.	5.4	187

#	Article	IF	Citations
37	A coagulation technique for purification of graphene sheets with grapheneâ€“reinforced PVA hydrogel as byproduct. Journal of Colloid and Interface Science, 2010, 348, 384-387.	5.0	42
38	Electro-active nano-composite actuator based on fullerene-reinforced Nafion. Composites Science and Technology, 2010, 70, 584-592.	3.8	85
39	Synthesis of graphene nano-sheets using eco-friendly chemicals and microwave radiation. Carbon, 2010, 48, 2953-2957.	5.4	101
40	Electro-chemo-mechanical characteristics of fullerene-reinforced ionic polymerâ€“metal composite transducers. Smart Materials and Structures, 2010, 19, 075009.	1.8	24
41	Dielectric properties of exfoliated graphite reinforced flouroelastomer composites. Journal of Applied Polymer Science, 2009, 111, 1358-1368.	1.3	37
42	The effect of physical treatments of waste rubber powder on the mechanical properties of the revulcanizate. Journal of Applied Polymer Science, 2009, 112, 3048-3056.	1.3	36
43	Dielectric properties of nanotube reinforced butyl elastomer composites. Journal of Applied Polymer Science, 2009, 113, 1690-1700.	1.3	23
44	Preparation and characterization of polypropylene and waste tire powder modified by allylamine blends. Polymers for Advanced Technologies, 2009, 20, 620-625.	1.6	18
45	Fluoroelastomerâ€MWNT nanocompositesâ€1: Dispersion, morphology, physicoâ€mechanical, and thermal properties. Polymer Composites, 2009, 30, 121-130.	2.3	43
46	Dielectric and dynamic mechanical relaxation behavior of exfoliated nano graphite reinforced flouroelastomer composites. Polymer Composites, 2009, 30, 334-342.	2.3	11
47	Optimization of carbon black and nanoclay filler loading in chlorobutyl vulcanizates using response surface methodology. Polymer Composites, 2009, 30, 691-701.	2.3	18
48	Fly ash reinforced thermoplastic vulcanizates obtained from waste tire powder. Waste Management, 2009, 29, 1058-1066.	3.7	33
49	Dynamic mechanical and dielectric relaxation characteristics of microcellular rubber composites. Polymers for Advanced Technologies, 2008, 19, 1311-1322.	1.6	11
50	AC conductivity and positive temperature coefficient effect in microcellular EPDM vulcanizates. Polymer Composites, 2008, 29, 1125-1136.	2.3	9
51	Impedance analysis and electromagnetic interference shielding effectiveness of conductive carbon black reinforced microcellular EPDM rubber vulcanizates. Polymer Composites, 2008, 29, 465-472.	2.3	43
52	Polypropyleneâ€“waste ground rubber tire powder microcellular composites: Effect of processing variables on morphology and physicoâ€mechanical properties. Polymer Composites, 2008, 29, 1276-1284.	2.3	12
53	Dielectric studies of conductive carbon black reinforced microcellular ethyleneâ€“propyleneâ€“diene monomer vulcanizates. Journal of Applied Polymer Science, 2007, 106, 192-204.	1.3	16
54	Dielectric relaxation of EnsacoÂ®350G reinforced microcellular EPDM vulcanizates. Polymer Composites, 2007, 28, 657-666.	2.3	7

#	Article	IF	Citations
55	Relaxation behavior of conductive carbon black reinforced EPDM microcellular vulcanizates. Polymer Engineering and Science, 2007, 47, 984-995.	1.5	16
56	Barrier properties of chlorobutyl nanoclay composites. Journal of Applied Polymer Science, 2006, 101, 3630-3637.	1.3	35
57	Bound rubber in chlorobutyl compounds: Influence of filler type and storage time. Journal of Applied Polymer Science, 2006, 102, 715-720.	1.3	13
58	Effect of fillers on the relaxation behavior of chlorobutyl vulcanizates. Journal of Applied Polymer Science, 2006, 100, 3161-3173.	1.3	26
59	Physico-mechanical, dynamic mechanical, and swelling properties of sodium chloride filled chlorobutyl vulcanizates. Journal of Applied Polymer Science, 2006, 102, 707-714.	1.3	0
60	Effect of carbon blacks on relaxation phenomenon of chlorobutyl vulcanizates. Journal of Applied Polymer Science, 2006, 102, 1809-1820.	1.3	6
61	Relaxation behavior of carbon silica dual phase filler reinforced chlorobutyl vulcanizates. Journal of Applied Polymer Science, 2006, 101, 4320-4327.	1.3	7