

Vijay S Wadi

List of Publications by Citations

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38
papers

794
citations

15
h-index

27
g-index

38
ext. papers

943
ext. citations

5.2
avg, IF

4.07
L-index

#	Paper	IF	Citations
38	Highly efficient preparation of ZnO nanorods decorated reduced graphene oxide nanocomposites. <i>Materials Letters</i> , 2012 , 80, 9-12	3.3	91
37	Facile synthesis of graphene oxide-silver nanocomposite and its modified electrode for enhanced electrochemical detection of nitrite ions. <i>Talanta</i> , 2015 , 144, 908-14	6.2	88
36	Simple and scalable preparation of reduced graphene oxide-silver nanocomposites via rapid thermal treatment. <i>Materials Letters</i> , 2012 , 89, 180-183	3.3	75
35	Preparation of highly water dispersible functional graphene/silver nanocomposite for the detection of melamine. <i>Sensors and Actuators B: Chemical</i> , 2013 , 181, 885-893	8.5	69
34	Hydrothermal synthesis of CuO/functionalized graphene nanocomposites for dye degradation. <i>Materials Letters</i> , 2013 , 93, 393-396	3.3	53
33	Core-shell Fe ₃ O ₄ -ZnO nanoparticles decorated on reduced graphene oxide for enhanced photoelectrochemical water splitting. <i>Ceramics International</i> , 2015 , 41, 5117-5128	5.1	46
32	Structure-property relationships for partially aliphatic polyimides. <i>Journal of Polymer Research</i> , 2011 , 18, 1111-1117	2.7	37
31	High performance magnetically separable graphene/zinc oxide nanocomposite. <i>Materials Letters</i> , 2013 , 93, 411-414	3.3	34
30	An electroactive co-polymer as corrosion inhibitor for steel in sulphuric acid medium. <i>Applied Surface Science</i> , 2008 , 254, 5569-5573	6.7	31
29	Flexible sulfur film from inverse vulcanization technique. <i>Materials Letters</i> , 2017 , 203, 58-61	3.3	30
28	Super porous TiO photocatalyst: Tailoring the agglomerate porosity into robust structural mesoporosity with enhanced surface area for efficient remediation of azo dye polluted waste water. <i>Journal of Environmental Management</i> , 2020 , 258, 110029	7.9	29
27	Advanced TiO-SiO-Sulfur (Ti-Si-S) Nanohybrid Materials: Potential Adsorbent for the Remediation of Contaminated Wastewater. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30247-30258	9.5	20
26	Ultrafast Stratified Diffusion of Water Inside Carbon Nanotubes; Direct Experimental Evidence with 2D D ₂ O NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 10600-10606	3.8	19
25	NMR and EPR Structural Analysis and Stability Study of Inverse Vulcanized Sulfur Copolymers. <i>ACS Omega</i> , 2018 , 3, 3330-3339	3.9	19
24	Preparation of robust, flexible, transparent films from partially aliphatic copolyimides. <i>Macromolecular Research</i> , 2015 , 23, 566-573	1.9	15
23	Copolymerization of N-vinyl pyrrolidone with functionalized vinyl monomers: Synthesis, characterization and reactivity relationships. <i>Macromolecular Research</i> , 2009 , 17, 1003-1009	1.9	15
22	Linear Sulfur-Nylon Composites: Structure, Morphology, and Antibacterial Activity. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 198-208	4.3	12

21	Preparation and processing of porous sulfur foams having low thermal conductivity.. <i>RSC Advances</i> , 2019 , 9, 4397-4403	3.7	11
20	Synthesis of 2D Germanane (GeH): a New, Fast, and Facile Approach. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 360-365	16.4	10
19	Highly selective heavy metal ions membranes combining sulfonated polyethersulfone and self-assembled manganese oxide nanosheets on positively functionalized graphene oxide nanosheets. <i>Chemical Engineering Journal</i> , 2022 , 428, 131267	14.7	10
18	Enhanced Mechanical Toughness of Isotactic Polypropylene Using Bulk Molybdenum Disulfide. <i>ACS Omega</i> , 2020 , 5, 11394-11401	3.9	8
17	Microspheres of copolymeric N-vinylpyrrolidone and 2-ethoxyethyl methacrylate for the controlled release of nifedipine. <i>Journal of Polymer Research</i> , 2011 , 18, 359-366	2.7	8
16	Nanoporous thin films of fully alicyclic polyimides. <i>Macromolecular Research</i> , 2011 , 19, 1272-1277	1.9	8
15	Inverse vulcanized sulfur/cycloalkene copolymers: Effect of ring size and unsaturation on thermal properties. <i>Materials Letters</i> , 2020 , 259, 126887	3.3	7
14	Mercury removal by porous sulfur copolymers: Adsorption isotherm and kinetics studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 606, 125333	5.1	7
13	Effect of unsymmetrical spiro dianhydride structure on properties of fully aliphatic polyimides. <i>High Performance Polymers</i> , 2012 , 24, 418-424	1.6	6
12	Synthesis, characterization, and evaluation of copolymers based on N-isopropylacrylamide and 2-ethoxyethyl methacrylate for the controlled release of felodipine. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 2211-2217	2.9	6
11	Preparation and characterization of nanoporous thin films from fully aliphatic polyimides. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 6141-7	1.3	5
10	Polypropylene/phosphazene nanotube nanocomposites: Thermal, mechanical, and flame retardation studies. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49525	2.9	4
9	Polypropylene/Elemental Sulfur (S ₈) Composites: Effect of Sulfur on Morphological, Thermal, and Mechanical Properties. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 13079-13087	3.9	4
8	Multiblock Copolymer Grafting for Butanol Biofuel Recovery by a Sustainable Membrane Process. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 16262-72	9.5	4
7	Scalable High Refractive Index polystyrene-sulfur nanocomposites via in situ inverse vulcanization. <i>Scientific Reports</i> , 2020 , 10, 14924	4.9	3
6	Sulfur-oleyl amine platelet derivatives with liquid crystalline behavior.. <i>RSC Advances</i> , 2018 , 8, 41480-41483	3.7	3
5	Crystal and electronic facet analysis of ultrafine NiP particles by solid-state NMR nanocrystallography. <i>Nature Communications</i> , 2021 , 12, 4334	17.4	3
4	Asymmetrical ultrafiltration membranes based on polylactic acid for the removal of organic substances from wastewater. <i>Journal of Water Process Engineering</i> , 2022 , 45, 102510	6.7	2

3	Synthesis, characterization and evaluation of novel methoxypolyethyleneglycol- grafted- poly(ester-urethane)s for controlled release of repaglinide. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 251-257	2.9	1
2	Development of green polylactic acid asymmetric ultrafiltration membranes for nutrient removal.. <i>Science of the Total Environment</i> , 2022 , 824, 153869	10.2	1
1	Synthesis of 2D Germanane (GeH): a New, Fast, and Facile Approach. <i>Angewandte Chemie</i> , 2021 , 133, 364-369	3.6	0