

Sravendra Rana

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

3,488
citations

304602

22
h-index

289141

40
g-index

41
all docs

41
docs citations

41
times ranked

4796
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual Drug Loaded Potassium-contained Graphene Oxide as a Nanocarrier in Cocktailed Drug Delivery for the Treatment of Human Breast Cancer. <i>Current Drug Delivery</i> , 2023, 20, 943-950.	0.8	2
2	Vitrimers based on bio-derived chemicals: Overview and future prospects. <i>Chemical Engineering Journal</i> , 2022, 433, 133261.	6.6	36
3	Polymer grafted magnetic graphene oxide as a potential nanocarrier for pH-responsive delivery of sparingly soluble quercetin against breast cancer cells. <i>RSC Advances</i> , 2022, 12, 2574-2588.	1.7	20
4	The effects of functionalized graphene oxide on the thermal and mechanical properties of liquid crystalline polymers. <i>Soft Matter</i> , 2022, 18, 3981-3992.	1.2	6
5	An Overview on Carbon Fiber-Reinforced Epoxy Composites: Effect of Graphene Oxide Incorporation on Composites Performance. <i>Polymers</i> , 2022, 14, 1548.	2.0	26
6	Functional structural nanocomposites with integrated self-healing ability. <i>Materials Today: Proceedings</i> , 2021, 34, 243-249.	0.9	14
7	Effect of graphene oxide on the mechanical and thermal properties of graphene oxide/hytrell nanocomposites. <i>Journal of Thermoplastic Composite Materials</i> , 2021, 34, 55-67.	2.6	24
8	Tunneling Atomic Force Microscopy Analysis of Supramolecular Self-Responsive Nanocomposites. <i>Polymers</i> , 2021, 13, 1401.	2.0	11
9	Sugarcane Bagasse-Derived Activated Carbon- (AC-) Epoxy Vitrimer Biocomposite: Thermomechanical and Self-Healing Performance. <i>International Journal of Polymer Science</i> , 2021, 2021, 1-7.	1.2	8
10	Two-pot synthesis and photophysical studies of 1,6-disubstituted 5-aza-indoles from succinaldehyde and <i>N</i> -aryl propargylic-imines. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 10601-10610.	1.5	1
11	The CuAAC: Principles, Homogeneous and Heterogeneous Catalysts, and Novel Developments and Applications. <i>Macromolecular Rapid Communications</i> , 2020, 41, e1900359.	2.0	146
12	Vitrimers: Associative dynamic covalent adaptive networks in thermoset polymers. <i>Chemical Engineering Journal</i> , 2020, 385, 123820.	6.6	244
13	Catalyst free self-healable vitrimer/graphene oxide nanocomposites. <i>Composites Part B: Engineering</i> , 2020, 184, 107647.	5.9	87
14	Enhanced self-healing performance of graphene oxide/vitrimer nanocomposites: A molecular dynamics simulations study. <i>Polymer</i> , 2020, 206, 122862.	1.8	27
15	COVID 19 in INDIA: Strategies to combat from combination threat of life and livelihood. <i>Journal of Microbiology, Immunology and Infection</i> , 2020, 53, 389-391.	1.5	62
16	Disulfide exchange assisted self-healing epoxy/PDMS/graphene oxide nanocomposites. <i>Nanoscale Advances</i> , 2020, 2, 2726-2730.	2.2	35
17	A simple, eco-friendly and green approach to synthesis of blue photoluminescent potassium-doped graphene oxide from agriculture waste for bio-imaging applications. <i>Materials Science and Engineering C</i> , 2019, 104, 109970.	3.8	32
18	Soft Self-Healing Nanocomposites. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	44

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19	Reversible Self-Healing Carbon-Based Nanocomposites for Structural Applications. <i>Polymers</i> , 2019, 11, 903.	2.0	58
20	Nitrogen-doped graphene stabilized copper nanoparticles for Huisgen [3+2] cycloaddition click chemistry. <i>Chemical Communications</i> , 2019, 55, 6249-6252.	2.2	23
21	Functionalization of carbon nanomaterials for advanced polymer nanocomposites: A comparison study between CNT and graphene. <i>Progress in Polymer Science</i> , 2017, 67, 1-47.	11.8	491
22	Qualitative sensing of mechanical damage by a fluorogenic click reaction. <i>Chemical Communications</i> , 2016, 52, 11076-11079.	2.2	17
23	Click-triggered Self-Healing Graphene Nanocomposites. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1715-1722.	2.0	23
24	Carbon-Supported Copper Nanomaterials: Recyclable Catalysts for Huisgen [3+2] Cycloaddition Reactions. <i>Chemistry - A European Journal</i> , 2015, 21, 10763-10770.	1.7	65
25	Nanocomposites via a direct graphene-promoted click reaction. <i>Polymer</i> , 2015, 79, 21-28.	1.8	23
26	Click chemistry promoted by graphene supported copper nanomaterials. <i>Chemical Communications</i> , 2014, 50, 15374-15377.	2.2	63
27	Thermomechanical and water-responsive shape memory properties of carbon nanotubes-reinforced hyperbranched polyurethane composites. <i>Journal of Applied Polymer Science</i> , 2013, 127, 2670-2677.	1.3	14
28	Graphene-crosslinked polyurethane block copolymer nanocomposites with enhanced mechanical, electrical, and shape memory properties. <i>RSC Advances</i> , 2013, 3, 13796.	1.7	63
29	Conducting core-shell nanofibers for electroactive shape-memory applications. <i>Polymers for Advanced Technologies</i> , 2013, 24, 609-614.	1.6	10
30	Core-shell morphology and characterization of carbon nanotube nanowires click coupled with polypyrrole. <i>Nanotechnology</i> , 2011, 22, 275609.	1.3	10
31	Core-shell polyurethane-carbon nanotube nanofibers prepared by electrospinning. <i>Fibers and Polymers</i> , 2011, 12, 721-726.	1.1	18
32	Functionalization of multi-walled carbon nanotubes with poly(ϵ -caprolactone) using click chemistry. <i>Journal of Applied Polymer Science</i> , 2011, 119, 31-37.	1.3	23
33	Synthesis of triazine-based hyperbranched polyurethane for novel carbon nanotube-dispersed nanocomposites. <i>Journal of Applied Polymer Science</i> , 2011, 120, 474-483.	1.3	18
34	Synthesis and characterization of biocompatible poly(ethylene glycol)-functionalized polyurethane using click chemistry. <i>Polymer Bulletin</i> , 2010, 64, 401-411.	1.7	32
35	Polymer nanocomposites based on functionalized carbon nanotubes. <i>Progress in Polymer Science</i> , 2010, 35, 837-867.	11.8	1,482
36	Synthesis and Characterization of Polyurethane-Grafted Single-Walled Carbon Nanotubes via Click Chemistry. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 5700-5707.	0.9	11

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37	Functionalization of carbon nanotubes via Cu(i)-catalyzed Huisgen [3 + 2] cycloaddition "click chemistry". <i>Nanoscale</i> , 2010, 2, 2550.	2.8	50
38	Synthesis and characterization of castor "oil" modified hyperbranched polyurethanes. <i>Journal of Applied Polymer Science</i> , 2009, 112, 736-743.	1.3	75
39	Assembly of Gold Nanoparticles on Single-Walled Carbon Nanotubes by Using Click Chemistry. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 3261-3263.	0.9	20
40	Enhanced dispersion of carbon nanotubes in hyperbranched polyurethane and properties of nanocomposites. <i>Nanotechnology</i> , 2008, 19, 495707.	1.3	74