Shuai Zhao

List of Publications by Year
in descending order

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Version: 2024-02-01

50	1,312	394421 19	361022 35
papers	citations	h-index	g-index

50	50	50	1666
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flexible Polydimethylsilane Nanocomposites Enhanced with a Three-Dimensional Graphene/Carbon Nanotube Bicontinuous Framework for High-Performance Electromagnetic Interference Shielding. ACS Applied Materials & Interfaces, 2018, 10, 26723-26732.	8.0	159
2	Bio-inspired underwater superoleophobic PVDF membranes for highly-efficient simultaneous removal of insoluble emulsified oils and soluble anionic dyes. Chemical Engineering Journal, 2019, 369, 576-587.	12.7	132
3	Green and High-Efficiency Production of Graphene by Tannic Acid-Assisted Exfoliation of Graphite in Water. ACS Sustainable Chemistry and Engineering, 2018, 6, 7652-7661.	6.7	107
4	Robust Graphene/Poly(vinyl alcohol) Janus Aerogels with a Hierarchical Architecture for Highly Efficient Switchable Separation of Oil/Water Emulsions. ACS Applied Materials & Interfaces, 2019, 11, 36638-36648.	8.0	84
5	Synergistic effects of a highly effective intumescent flame retardant based on tannic acid functionalized graphene on the flame retardancy and smoke suppression properties of natural rubber. Composites Part A: Applied Science and Manufacturing, 2020, 129, 105715.	7.6	61
6	High-performance and multifunctional epoxy composites filled with epoxide-functionalized graphene. European Polymer Journal, 2016, 84, 300-312.	5.4	57
7	DNA methylation of claudin-6 promotes breast cancer cell migration and invasion by recruiting MeCP2 and deacetylating H3Ac and H4Ac. Journal of Experimental and Clinical Cancer Research, 2016, 35, 120.	8.6	48
8	Exfoliation of graphite to few-layer graphene in aqueous media with vinylimidazole-based polymer as high-performance stabilizer. Carbon, 2016, 99, 249-260.	10.3	43
9	Interface molecular engineering of single-walled carbon nanotube/epoxy composites. Journal of Materials Chemistry, 2012, 22, 1928-1936.	6.7	40
10	Fabrication of pristine graphene-based conductive polystyrene composites towards high performance and light-weight. Composites Science and Technology, 2018, 159, 232-239.	7.8	39
11	CLDN6-induced apoptosis via regulating ASK1-p38/JNK signaling in breast cancer MCF-7 cells. International Journal of Oncology, 2016, 48, 2435-2444.	3.3	38
12	Reduced fire hazards of expandable polystyrene building materials via intumescent flame-retardant coatings. Journal of Materials Science, 2020, 55, 7555-7572.	3.7	32
13	Tannic acid-assisted green fabrication of functionalized graphene towards its enhanced compatibility in NR nanocomposite. Polymer Testing, 2018, 70, 396-402.	4.8	29
14	Novel WEE2 gene variants identified in patients with fertilization failure and female infertility. Fertility and Sterility, 2019, 111, 519-526.	1.0	29
15	Synergistic effect of graphene and silicon dioxide hybrids through hydrogen bonding self-assembly in elastomer composites. RSC Advances, 2018, 8, 17813-17825.	3.6	28
16	Synergistic Fire Hazard Effect of a Multifunctional Flame Retardant in Building Insulation Expandable Polystyrene through a Simple Surface-Coating Method. ACS Omega, 2020, 5, 799-807.	3.5	27
17	Roles of sunlight exposure on chemosensory characteristic of broad bean paste by untargeted profiling of volatile flavors and multivariate statistical analysis. Food Chemistry, 2022, 381, 132115.	8.2	27
18	Improving dispersion and integration of singleâ€walled carbon nanotubes in epoxy composites by using a reactive noncovalent dispersant. Journal of Polymer Science Part A, 2012, 50, 4548-4556.	2.3	26

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19	Robust and Multifunctional 3D Graphene-Based Aerogels Reinforced by Hydroxyapatite Nanowires for Highly Efficient Organic Solvent Adsorption and Fluoride Removal. ACS Applied Materials & Interfaces, 2022, 14, 25385-25396.	8.0	21
20	Hyperthermic Intraperitoneal Chemotherapy (HIPEC) Combined with Surgery: A 12-Year Meta-Analysis of this Promising Treatment Strategy for Advanced Gastric Cancer at Different Stages. Annals of Surgical Oncology, 2022, 29, 3170-3186.	1.5	20
21	TEMPO-mediated oxidation of microcrystalline cellulose: Influence of temperature and oxidation procedure on yields of water-soluble products and crystal structures of water-insoluble residues. Fibers and Polymers, 2013, 14, 352-357.	2.1	19
22	Aqueous dispersion of pristine single-walled carbon nanotubes prepared by using a vinylimidazole-based polymer dispersant. RSC Advances, 2013, 4, 2327-2338.	3.6	18
23	A facile and industrially feasible one-pot approach to prepare graphene-decorated PVC particles and their application in multifunctional PVC/graphene composites with segregated structure. Composites Part B: Engineering, 2020, 185, 107775.	12.0	17
24	Synthesis of pyreneâ€capped polystyrene by free radical polymerization and its application in direct exfoliation of graphite into graphene nanosheets. Journal of Polymer Science Part A, 2015, 53, 2175-2185.	2.3	15
25	Covalent hybrid of graphene and silicon dioxide and reinforcing effect in rubber composites. Journal of Polymer Research, 2018, 25, 1.	2.4	15
26	The interaction between N,N-dimethylacrylamide and pristine graphene and its role in fabricating a strong nanocomposite hydrogel. Journal of Materials Science, 2020, 55, 7652-7664.	3.7	14
27	Prognosis and Biological Behavior of Gastric Signet-Ring Cell Carcinoma Better or Worse: A Meta-Analysis. Frontiers in Oncology, 2021, 11, 603070.	2.8	14
28	A Versatile Platform of 2â€(3,4â€Dihydroxyphenyl) Pyrrolidine Grafted Graphene for Preparation of Various Grapheneâ€derived Materials. Chemistry - an Asian Journal, 2015, 10, 1177-1183.	3.3	13
29	A novel poly[(N-vinylimidazole)-co-(1-pyrenylmethyl methacrylate)] ferric complex with fluorescence and superparamagnetism. RSC Advances, 2012, 2, 12224.	3.6	12
30	An alternative avenue for highâ€performance phenolic resin/graphene composite. Polymer Composites, 2019, 40, 4248-4256.	4.6	12
31	Facile fabrication of long-chain alkyl functionalized ultrafine reduced graphene oxide nanocomposites for enhanced tribological performance. RSC Advances, 2019, 9, 7324-7333.	3.6	12
32	A multifunctional hydrogel based on heterostructured hybrids of single-walled carbon nanotubes and clay nanoplatelets. Carbon, 2014, 77, 846-856.	10.3	11
33	Bioinformatic analysis reveals potential properties of human Claudin-6 regulation and functions. Oncology Reports, 2017, 38, 875-885.	2.6	11
34	ZrO₂ functionalized graphene Oxide/SEBSâ€Based nanocomposites for efficient electromagnetic interference shielding applications. Journal of Vinyl and Additive Technology, 2019, 25, E130.	3.4	11
35	Grafting of aldehyde structures to singleâ€walled carbon nanotubes for application in phenolic resinâ€based composites. Journal of Polymer Science Part A, 2009, 47, 6135-6144.	2.3	8
36	Multifunctional NR/MWCNTs nanocomposites constructed via combining volume exclusion of SiO2 microspheres with interface reinforcement of tannic acid. European Polymer Journal, 2021, 151, 110424.	5.4	8

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37	Highâ€speed shear dispersion of <scp>MWCNTs</scp> assisted by <scp>PVP</scp> in water and its effective combination with wetâ€mixing technology for <scp>NR</scp>/<scp>MWCNTs</scp> nanocomposites. Polymer Composites, 2022, 43, 3858-3870.	4.6	8
38	Leaf aging effects on copper and cadmium transfer along the lettuce-snail food chain. Chemosphere, 2018, 211, 81-88.	8.2	7
39	Facile construction of gas diode membrane towards in situ gas consumption via coupling two chemical reactions. Journal of Colloid and Interface Science, 2019, 557, 282-290.	9.4	7
40	A facile strategy to fabricate intumescent fire-retardant and smoke suppression protective coatings for natural rubber. Polymer Testing, 2020, 90, 106689.	4.8	6
41	Effective reinforcement of hydrogenâ€bonding assembly silicaâ€graphene hybrid in natural rubber. Journal of Vinyl and Additive Technology, 2021, 27, 199-208.	3.4	5
42	Improved adhesion properties of natural rubber to polyamide cord through mussel-inspired adhesive. Journal of Polymer Research, 2021, 28, 1.	2.4	4
43	Facile preparation of high-performance and multifunctional PVC-based nanocomposites with segregated structure achieved by volume repulsion and toughening effects of ABS. European Polymer Journal, 2021, 161, 110867.	5.4	4
44	THERMOREVERSIBLE COVALENT CROSS-LINKING OF MALEIC ANHYDRIDE GRAFTED BUTYL RUBBER WITH GLYCEROL. Rubber Chemistry and Technology, 2015, 88, 373-389.	1.2	3
45	Lubrication and plasticization behavior of large-size micro-spherical structured SiO₂ for natural rubber. RSC Advances, 2018, 8, 31783-31792.	3.6	3
46	Synthesis and characterization of thermoreversible K-Ionomers based on butyl rubber: a simple one-step crosslinking method and a novel crosslinking system. Journal of Polymer Research, 2015, 22, 1.	2.4	2
47	High-Performance Poly(vinyl alcohol) Nanocomposites Filled with Individual Montmorillonite Nanolayers. Journal of Macromolecular Science - Physics, 2016, 55, 693-707.	1.0	2
48	Quality-related fault detection based on mutual information principal component analysis. , 2017, , .		2
49	Hollow glass microsphere as a lightâ€weight composites with good gas barrier property. Journal of Vinyl and Additive Technology, 2018, 24, 224-228.	3.4	2
50	ASO Author Reflections: Clinical Research and Application Prospect of HIPEC Combined with Surgery in Advanced Gastric Cancer. Annals of Surgical Oncology, 2022, 29, 3187-3188.	1.5	0