Juan Du

List of Publications by Year
in descending order

24	464	567281 15	713466 21
papers	citations	h-index	g-index

24	24	24	632
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and characterization of a porous and hydrophobic cellulose-based composite for efficient and fast oilâ€“water separation. Carbohydrate Polymers, 2016, 140, 188-194.	10.2	66
2	Infusing High-density Polyethylene with Graphene-Zinc Oxide to Produce Antibacterial Nanocomposites with Improved Properties. Chinese Journal of Polymer Science (English Edition), 2020, 38, 898-907.	3.8	40
3	Tough dual nanocomposite hydrogels with inorganic hybrid crosslinking. Soft Matter, 2016, 12, 1649-1654.	2.7	36
4	Antibacterial nanocomposite films of poly(vinyl alcohol) modified with zinc oxide-doped multiwalled carbon nanotubes as food packaging. Polymer Bulletin, 2022, 79, 3847-3866.	3.3	36
5	Preparation of amphoteric nanocomposite hydrogels based on exfoliation of montmorillonite via in-situ intercalative polymerization of hydrophilic cationic and anionic monomers. Applied Clay Science, 2014, 97-98, 132-137.	5.2	33
6	Evaluating distillers grains as bio-fillers for high-density polyethylene. Journal of Polymer Research, 2020, 27, 1.	2.4	33
7	Super-tough, anti-fatigue, self-healable, anti-fogging, and UV shielding hybrid hydrogel prepared via simultaneous dual in situ solâ€“gel technique and radical polymerization. Journal of Materials Chemistry B, 2019, 7, 7162-7175.	5.8	23
8	Tuning morphology and mechanical property of polyacrylamide/Laponite/titania dual nanocomposite hydrogels by titania. Polymer Composites, 2019, 40, E466.	4.6	20
9	A facile approach to prepare strong poly(acrylic acid)/LAPONITEÂ® ionic nanocomposite hydrogels at high clay concentrations. RSC Advances, 2015, 5, 60152-60160.	3.6	19
10	Affinityâ€tuned peroxidaseâ€like activity of hydrogelâ€supported <scp>Fe₃O₄</scp> nanozyme through alteration of crosslinking concentration. Journal of Applied Polymer Science, 2016, 133, .	2.6	18
11	Strengthening mechanism of poly(acrylamide)/graphene oxide/laponite dual nanocomposite hydrogels. Journal of Applied Polymer Science, 2017, 134, .	2.6	18
12	Synthesis of amphoteric nanocomposite hydrogels with ultrahigh tensibility. Polymer Composites, 2015, 36, 538-544.	4.6	17
13	Antibacterial Nanocomposites of Polypropylene Modified with Silver-Decorated Multiwalled Carbon Nanotubes. Nano, 2020, 15, 2050112.	1.0	17
14	Preparation and mechanical properties of a transparent ionic nanocomposite hydrogel. Journal of Polymer Research, 2014, 21, 1.	2.4	16
15	Stretchable dual nanocomposite hydrogels strengthened by physical interaction between inorganic hybrid crosslinker and polymers. Applied Clay Science, 2017, 150, 71-80.	5.2	16
16	Super tough bentonite/SiO 2 -based dual nanocomposite hydrogels using silane as both an intercalator and a crosslinker. Applied Clay Science, 2018, 156, 53-60.	5.2	16
17	Characterization of antibacterial nanocomposites of polyethylene terephthalate filled with nanosilver-doped carbon black. Polymers and Polymer Composites, 2021, 29, 797-806.	1.9	13
18	Strong conductive hybrid hydrogel electrode based on inorganic hybrid crosslinking. Colloid and Polymer Science, 2022, 300, 111-124.	2.1	11

#	Article	IF	Citations
19	A robust and coarse surface mesh modified by interpenetrating polymer network hydrogel for oilâ€water separation. Journal of Applied Polymer Science, 2015, 132, .	2.6	8
20	Enhanced Performance of a Novel Quaternary Nanocomposite CuO/ZnO/ZnS/CuS towards Removal of Dye Pollutant under Simulated Sunlight Irradiation. ChemistrySelect, 2020, 5, 9195-9205.	1.5	4
21	Fabrication of polyelectrolyte/amine-modified silica composite thin film by coupling of layer-by-layer assembly and solâ€“gel techniques. Journal of Polymer Research, 2014, 21, 1.	2.4	2
22	Tough hybrid hydrogels based on simultaneous dual in situ solâ€“gel technique and radical polymerization. Journal of Applied Polymer Science, 2019, 136, 47742.	2.6	1
23	Study on the Properties of Polyphenylene Sulfide/Nano-Zinc Oxide Composites. Materials Science Forum, 2020, 1003, 185-190.	0.3	1
24	Mechanical Properties and Water Vapor Permeation of Polypropylene/Hollow Silica Composite. Key Engineering Materials, 0, 877, 15-20.	0.4	0