Juan Du

List of Publications by Year in descending order

24 papers	464 citations	567281 15 h-index	713466 21 g-index
24 all docs	24 docs citations	24 times ranked	632 citing authors

#	Article	IF	Citations
1	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
2	Strong conductive hybrid hydrogel electrode based on inorganic hybrid crosslinking. Colloid and Polymer Science, 2022, 300, 111-124.	2.1	11
3	Characterization of antibacterial nanocomposites of polyethylene terephthalate filled with nanosilver-doped carbon black. Polymers and Polymer Composites, 2021, 29, 797-806.	1.9	13
4	Antibacterial Nanocomposites of Polypropylene Modified with Silver-Decorated Multiwalled Carbon Nanotubes. Nano, 2020, 15, 2050112.	1.0	17
5	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
6	Study on the Properties of Polyphenylene Sulfide/Nano-Zinc Oxide Composites. Materials Science Forum, 2020, 1003, 185-190.	0.3	1
7	Evaluating distillers grains as bio-fillers for high-density polyethylene. Journal of Polymer Research, 2020, 27, 1.	2.4	33
8	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
9	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
10	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
11	Tuning morphology and mechanical property of polyacrylamide/Laponite/titania dual nanocomposite hydrogels by titania. Polymer Composites, 2019, 40, E466.	4.6	20
12	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
13	Strengthening mechanism of poly(acrylamide)/graphene oxide/laponite dual nanocomposite hydrogels. Journal of Applied Polymer Science, 2017, 134, .	2.6	18
14	Stretchable dual nanocomposite hydrogels strengthened by physical interaction between inorganic hybrid crosslinker and polymers. Applied Clay Science, 2017, 150, 71-80.	5.2	16
15	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
16	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
17	Tough dual nanocomposite hydrogels with inorganic hybrid crosslinking. Soft Matter, 2016, 12, 1649-1654.	2.7	36
18	Synthesis of amphoteric nanocomposite hydrogels with ultrahigh tensibility. Polymer Composites, 2015, 36, 538-544.	4.6	17

#	Article	IF	Citations
19	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
20	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
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	Preparation and mechanical properties of a transparent ionic nanocomposite hydrogel. Journal of Polymer Research, 2014, 21, 1.	2.4	16
23	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
24	Mechanical Properties and Water Vapor Permeation of Polypropylene/Hollow Silica Composite. Key Engineering Materials, 0, 877, 15-20.	0.4	0