

Dajun Chen

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78
papers

3,177
citations

26
h-index

55
g-index

81
ext. papers

3,469
ext. citations

3.8
avg. IF

5.83
L-index

#	Paper	IF	Citations
78	Enhanced Mechanical Properties of Graphene-Based Poly(vinyl alcohol) Composites. <i>Macromolecules</i> , 2010 , 43, 2357-2363	5.5	1173
77	Alternate Multilayer Films of Poly(vinyl alcohol) and Exfoliated Graphene Oxide Fabricated via a Facial Layer-by-Layer Assembly. <i>Macromolecules</i> , 2010 , 43, 9411-9416	5.5	184
76	A new polymer/clay nano-composite hydrogel with improved response rate and tensile mechanical properties. <i>European Polymer Journal</i> , 2006 , 42, 2125-2132	5.2	141
75	Use of dynamic rheological behavior to estimate the dispersion of carbon nanotubes in carbon nanotube/polymer composites. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 12606-11	3.4	125
74	A Novel Self-Healing Polyurethane Based on Disulfide Bonds. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 1191-1196	2.6	115
73	Preparation of Polydopamine-Modified Graphene Oxide/Chitosan Aerogel for Uranium(VI) Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 8472-8483	3.9	80
72	Synthesis and properties of self-healing waterborne polyurethanes containing disulfide bonds in the main chain. <i>Journal of Materials Science</i> , 2017 , 52, 197-207	4.3	76
71	Preparation and characterization of waterborne polyurethane/attapulgit nanocomposites. <i>European Polymer Journal</i> , 2007 , 43, 3766-3772	5.2	72
70	Mechanical enhancement of self-healing waterborne polyurethane by graphene oxide. <i>Progress in Organic Coatings</i> , 2018 , 121, 73-79	4.8	56
69	Enhanced electrochemical performance of polyaniline/sulfonated polyhedral oligosilsesquioxane nanocomposites with porous and ordered hierarchical nanostructure. <i>Journal of Materials Chemistry</i> , 2012 , 22, 1884-1892		54
68	Electrosorption of uranium(VI) by highly porous phosphate-functionalized graphene hydrogel. <i>Applied Surface Science</i> , 2019 , 484, 83-96	6.7	51
67	Study on the nonisothermal crystallization behavior of poly(vinyl alcohol)/attapulgit nanocomposites by DSC analysis. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 534-540	2.6	49
66	Fabrication and characterization of temperature-, pH- and magnetic-field-sensitive organic/inorganic hybrid poly (ethylene glycol)-based hydrogels. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 415, 68-76	5.1	47
65	Preparation and characterization of a novel stimuli-responsive nanocomposite hydrogel with improved mechanical properties. <i>Journal of Colloid and Interface Science</i> , 2012 , 372, 245-51	9.3	42
64	Preparation of ZnO nanopowder by a novel ultrasound assisted non-hydrolytic sol-gel process and its application in photocatalytic degradation of C.I. Acid Red 249. <i>Powder Technology</i> , 2013 , 233, 325-330	5.2	41
63	Preparation and characterization of chitosan based injectable hydrogels enhanced by chitin nano-whiskers. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 65, 466-477	4.1	40
62	Viscoelastic behaviors of poly(ϵ -caprolactone)/attapulgit nanocomposites. <i>European Polymer Journal</i> , 2008 , 44, 2046-2050	5.2	39

61	Self-healing polyurethane/attapulgite nanocomposites based on disulfide bonds and shape memory effect. <i>Materials Chemistry and Physics</i> , 2017 , 195, 40-48	4.4	38
60	Production of three-dimensional porous polydopamine-functionalized attapulgite/chitosan aerogel for uranium(VI) adsorption. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018 , 316, 635-647	1.5	36
59	Expanded conformation of macromolecular chain in polyaniline with one-dimensional nanostructure prepared by interfacial polymerization. <i>Applied Physics Letters</i> , 2006 , 89, 103110	3.4	35
58	Novel clay-based nanofibrous membranes for effective oil/water emulsion separation. <i>Ceramics International</i> , 2017 , 43, 9465-9471	5.1	31
57	Synthesis and characterization of a chitosan based nanocomposite injectable hydrogel. <i>Carbohydrate Polymers</i> , 2016 , 136, 1228-37	10.3	29
56	Electrical conductivity and rheological behavior of multiphase polymer composites containing conducting carbon black. <i>Polymer Engineering and Science</i> , 2008 , 48, 2090-2097	2.3	29
55	Shape memory-assisted self-healing polyurethane inspired by a suture technique. <i>Journal of Materials Science</i> , 2018 , 53, 10582-10592	4.3	26
54	A novel catalyst of Fe-octacarboxylic acid phthalocyanine supported by attapulgite for degradation of Rhodamine B. <i>Materials Research Bulletin</i> , 2010 , 45, 1728-1731	5.1	26
53	A one-pot approach to the preparation of silver-PMMA shell-core nanocomposite. <i>Colloid and Polymer Science</i> , 2006 , 284, 449-454	2.4	26
52	Preparation and characterization of alkylated carbon nanotube/polyimide nanocomposites. <i>Polymer International</i> , 2009 , 58, 557-563	3.3	24
51	Morphology and mechanical properties of polyacrylonitrile/attapulgite nanocomposite. <i>Journal of Materials Science</i> , 2010 , 45, 2372-2380	4.3	24
50	Preparation and characterization of attapulgite-based nanofibrous membranes. <i>Materials and Design</i> , 2017 , 113, 60-67	8.1	22
49	Preparation and characterization of thermo-, pH-, and magnetic-field-responsive organic/inorganic hybrid microgels based on poly(ethylene glycol). <i>Journal of Materials Science</i> , 2014 , 49, 3287-3296	4.3	21
48	Hydrogen bond interaction in poly(acrylonitrile-co-methylacrylate)/attapulgite nanocomposites. <i>Polymer Engineering and Science</i> , 2010 , 50, 312-319	2.3	21
47	Natural Clay-Based Materials for Energy Storage and Conversion Applications. <i>Advanced Science</i> , 2021 , 8, e2004036	13.6	20
46	Enhancement in photovoltaic performance of phthalocyanine-sensitized solar cells by attapulgite nanoparticles. <i>Electrochimica Acta</i> , 2012 , 72, 40-45	6.7	18
45	Preparation and relative properties of dope-dyed polyurethane modified by β -cyclodextrin. <i>Dyes and Pigments</i> , 2016 , 129, 18-23	4.6	18
44	Nonisothermal crystallization behavior of poly(ϵ -caprolactone)/attapulgite nanocomposites by DSC analysis. <i>Polymer Engineering and Science</i> , 2007 , 47, 460-466	2.3	17

43	Study on Nanofibers of Polyaniline via Interfacial Polymerization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006 , 43, 1815-1824	2.2	17
42	Fabrication and characterization of silver/polystyrene nanospheres with more complete coverage of silver nano-shell. <i>Materials Letters</i> , 2008 , 62, 2153-2156	3.3	16
41	The adsorption behaviors of the multiple stimulus-responsive poly(ethylene glycol)-based hydrogels for removal of RhB dye. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	15
40	Orientation behavior of attapulgite nanoparticles in poly(acrylonitrile)/attapulgite solutions by rheological analysis. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009 , 47, 945-954	2.6	15
39	One-pot Fabrication of Ag/PMMA Shell/core Nanocomposites by Chemical Reduction Method. <i>Chemistry Letters</i> , 2004 , 33, 1010-1011	1.7	14
38	Characterization of the hydrogen bond in polyurethane/attapulgite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	13
37	Synthesis and characterization of waterborne polyurethane based on aliphatic diamine sulphonate and liquefiable dimethylol propionic acid. <i>Progress in Organic Coatings</i> , 2018 , 118, 116-121	4.8	12
36	Synthesis and characterization of waterborne polyurethane based on covalently bound dimethylol propionic acid to e-caprolactone based polyester polyol. <i>Progress in Organic Coatings</i> , 2016 , 97, 203-209	4.8	12
35	Mechanical Properties of Natural Rubber Nanocomposites Filled with Thermally Treated Attapulgite. <i>Journal of Nanomaterials</i> , 2013 , 2013, 1-11	3.2	12
34	Thermal and mechanical properties of silicon rubber/cis-polybutadiene rubber/ethylene-propylene diene monomer blends. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 4462-4467	2.9	12
33	Mechanical and dynamic mechanical properties of polyurethane/Fe-octacarboxyl acid phthalocyanine blends. <i>Progress in Organic Coatings</i> , 2013 , 76, 119-124	4.8	11
32	Study of the necking phenomenon in fiber drawing by infrared thermography. <i>Polymer Testing</i> , 2010 , 29, 674-678	4.5	11
31	Properties of Compatibilized Nylon 6/ABS Polymer Blends. <i>Journal of Macromolecular Science - Physics</i> , 2006 , 45, 557-561	1.4	11
30	Alignment effect of attapulgite on the mechanical properties of poly(vinyl alcohol)/attapulgite nanocomposite fibers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 1995-2000	2.6	11
29	Viscoelastic behavior of poly(acrylonitrile)/attapulgite nanocomposite solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 367, 52-59	5.1	10
28	Preparation of Cyclodextrin reinforced waterborne polyurethane nanocomposites with excellent mechanical and self-healing property. <i>Composites Science and Technology</i> , 2018 , 168, 55-62	8.6	10
27	Fabrication of nano-sized attapulgite-based aerogels as anode material for lithium ion batteries. <i>Journal of Materials Science</i> , 2018 , 53, 2054-2064	4.3	9
26	Clay-based nanofibrous membranes reinforced by multi-walled carbon nanotubes. <i>Ceramics International</i> , 2018 , 44, 15873-15879	5.1	8

25	Temperature dependence of hydrogen bond in Fe-OCAP/polyurethane blends. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 2265-2271	2.9	8
24	Preparation of Cu(II)-Imprinted Smart Microgels for Selective Separation of Copper Ions. <i>Separation Science and Technology</i> , 2015 , 50, 1480-1486	2.5	8
23	Synthesis, Structures and Properties of Polyimide Based on 2,2'-Bis(4-aminophenoxy phenyl) Propane. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006 , 43, 1825-1833	2.2	8
22	Thermal and mechanical properties of dough modeling compound reinforced ethylene propylene diene monomer/silicon rubber composites. <i>Polymer Composites</i> , 2006 , 27, 621-626	3	8
21	Studies on the Glycolysis Behavior of Polyurethane Fiber Waste with Diethylene Glycol. <i>Journal of Polymers and the Environment</i> , 2006 , 14, 191-194	4.5	8
20	Study on the thermal effects of rubbers during loading-unloading cycles by infrared thermography. <i>Polymer Bulletin</i> , 2013 , 70, 171-180	2.4	7
19	Preparation of magnetically recyclable palygorskite Fe-octacarboxylic acid phthalocyanine nano-composites and their photocatalytic behavior for degradation of Rhodamine B. <i>Applied Clay Science</i> , 2017 , 147, 153-159	5.2	7
18	Silica-modified SBR/BR blends. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 3695-3700	2.9	7
17	A facile co-solvent-free process for waterborne polyurethane preparation. <i>Polymer Bulletin</i> , 2018 , 75, 4913-4928	2.4	6
16	Attapulgite-supported aluminum oxide hydroxide catalyst for synthesis of poly(ethylene terephthalate). <i>Journal of Applied Polymer Science</i> , 2013 , 129, 2571-2579	2.9	6
15	Preparation and characterization of hydroxybutyl chitosan. <i>E-Polymers</i> , 2010 , 10,	2.7	5
14	Analysis of glycolysis products of polyurethane fiber waste with diethylene glycol. <i>Fibers and Polymers</i> , 2007 , 8, 13-18	2	5
13	Singlet oxygen generation properties of Fe-OCAP and its influence on the antibacterial and mechanical properties of Fe-OCAP/PU blends. <i>Journal of Materials Science</i> , 2014 , 49, 8116-8122	4.3	4
12	Studies on the Particle Morphology of Waterborne Cationic Polyurethane/Polyacrylate Microemulsions. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006 , 43, 1793-1800	2.2	4
11	In Situ Reduction of Graphene Oxide in Waterborne Polyurethane Matrix and the Healing Behavior of Nanocomposites by Multiple Ways. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018 , 57, 202	2.6	4
10	Fabrication of silver doped attapulgite aerogels as anode material for lithium ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 19873-19879	2.1	4
9	Surface dyeability of cotton and nylon fabrics coated with a novel porous silk fibroin/silica nanohybrid. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 1670-1676	2.9	3
8	Surface deacetylation of chitin nano-whiskers. <i>Polymer Bulletin</i> , 2020 , 77, 5345-5355	2.4	3

7	The preparation and characterization of Fe-octacarboxyl acid phthalocyanine/polyethylene glycol/polyurethane blends. <i>Journal of Polymer Research</i> , 2014 , 21, 1	2.7	2
6	Fabrication of Attapulgite/Multi-walled Carbon Nanotube Aerogels As Anode Material for Lithium Ion Batteries. <i>Journal of Electronic Materials</i> , 2020 , 49, 2058-2065	1.9	2
5	The effects of carbonization conditions on electrochemical performance of attapulgite-based anode material for lithium-ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 10342-10351	2.1	1
4	Fabrication and photocatalytic behavior of a novel nanocomposite hydrogels containing Fe-octacarboxylic acid phthalocyanine. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45428	2.9	1
3	Preparation and performances of ethylene/propylene/diene terpolymer/acrylic rubber reinforced with a dough-modeling compound. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 1803-1808	2.9	1
2	A Preliminary Study on Preparation of the Aromatic/Aliphatic Co-polyurea as Spun Fibers. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006 , 43, 1703-1709	2.2	0
1	Thermal Properties of Fe-octacarboxyl Acid Phthalocyanine/Polyurethane Blends. <i>Journal of Macromolecular Science - Physics</i> , 2014 , 53, 1654-1664	1.4	