

Dajun Chen

List of Publications by Year in descending order

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81
papers

3,785
citations

201575

27
h-index

128225

60
g-index

81
all docs

81
docs citations

81
times ranked

5261
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Mechanical Properties of Graphene-Based Poly(vinyl alcohol) Composites. <i>Macromolecules</i> , 2010, 43, 2357-2363.	2.2	1,292
2	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.	2.2	200
3	A Novel Self-Healing Polyurethane Based on Disulfide Bonds. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 1191-1196.	1.1	165
4	A new polymer/clay nano-composite hydrogel with improved response rate and tensile mechanical properties. <i>European Polymer Journal</i> , 2006, 42, 2125-2132.	2.6	152
5	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, 12606-12611.	1.2	136
6	Preparation of Polydopamine-Modified Graphene Oxide/Chitosan Aerogel for Uranium(VI) Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 8472-8483.	1.8	128
7	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.	1.7	104
8	Electrosorption of uranium(VI) by highly porous phosphate-functionalized graphene hydrogel. <i>Applied Surface Science</i> , 2019, 484, 83-96.	3.1	104
9	Mechanical enhancement of self-healing waterborne polyurethane by graphene oxide. <i>Progress in Organic Coatings</i> , 2018, 121, 73-79.	1.9	81
10	Preparation and characterization of waterborne polyurethane/attapulgite nanocomposites. <i>European Polymer Journal</i> , 2007, 43, 3766-3772.	2.6	77
11	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.	6.7	61
12	Natural Clay-Based Materials for Energy Storage and Conversion Applications. <i>Advanced Science</i> , 2021, 8, e2004036.	5.6	56
13	Study on the nonisothermal crystallization behavior of poly(vinyl alcohol)/attapulgite nanocomposites by DSC analysis. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 534-540.	2.4	53
14	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.	2.3	53
15	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.	1.5	50
16	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.	0.7	47
17	Self-healing polyurethane/attapulgite nanocomposites based on disulfide bonds and shape memory effect. <i>Materials Chemistry and Physics</i> , 2017, 195, 40-48.	2.0	46
18	Preparation and characterization of a novel stimuli-responsive nanocomposite hydrogel with improved mechanical properties. <i>Journal of Colloid and Interface Science</i> , 2012, 372, 245-251.	5.0	45

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19	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.	2.1	42
20	Synthesis and characterization of a chitosan based nanocomposite injectable hydrogel. <i>Carbohydrate Polymers</i> , 2016, 136, 1228-1237.	5.1	41
21	Novel clay-based nanofibrous membranes for effective oil/water emulsion separation. <i>Ceramics International</i> , 2017, 43, 9465-9471.	2.3	41
22	Viscoelastic behaviors of poly(μ -caprolactone)/attapulgite nanocomposites. <i>European Polymer Journal</i> , 2008, 44, 2046-2050.	2.6	40
23	Expanded conformation of macromolecular chain in polyaniline with one-dimensional nanostructure prepared by interfacial polymerization. <i>Applied Physics Letters</i> , 2006, 89, 103110.	1.5	36
24	Electrical conductivity and rheological behavior of multiphase polymer composites containing conducting carbon black. <i>Polymer Engineering and Science</i> , 2008, 48, 2090-2097.	1.5	32
25	A one-pot approach to the preparation of silver-PMMA shell-core nanocomposite. <i>Colloid and Polymer Science</i> , 2006, 284, 449-454.	1.0	30
26	Shape memory-assisted self-healing polyurethane inspired by a suture technique. <i>Journal of Materials Science</i> , 2018, 53, 10582-10592.	1.7	30
27	Morphology and mechanical properties of polyacrylonitrile/attapulgite nanocomposite. <i>Journal of Materials Science</i> , 2010, 45, 2372-2380.	1.7	28
28	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.	2.7	28
29	Preparation and characterization of alkylated carbon nanotube/polyimide nanocomposites. <i>Polymer International</i> , 2009, 58, 557-563.	1.6	26
30	Preparation and characterization of attapulgite-based nanofibrous membranes. <i>Materials and Design</i> , 2017, 113, 60-67.	3.3	26
31	Enhancement in photovoltaic performance of phthalocyanine-sensitized solar cells by attapulgite nanoparticles. <i>Electrochimica Acta</i> , 2012, 72, 40-45.	2.6	25
32	Hydrogen bond interaction in poly(acrylonitrile-co-methylacrylate)/attapulgite nanocomposites. <i>Polymer Engineering and Science</i> , 2010, 50, 312-319.	1.5	22
33	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.	1.7	22
34	Mechanical Properties of Natural Rubber Nanocomposites Filled with Thermally Treated Attapulgite. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-11.	1.5	21
35	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, .	1.3	21
36	Nonisothermal crystallization behavior of poly(μ -caprolactone)/attapulgite nanocomposites by DSC analysis. <i>Polymer Engineering and Science</i> , 2007, 47, 460-466.	1.5	19

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37	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.	2.4	19
38	Preparation and relative properties of dope-dyed polyurethane modified by β -cyclodextrin. <i>Dyes and Pigments</i> , 2016, 129, 18-23.	2.0	19
39	Characterization of the hydrogen bond in polyurethane/attapulgite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	19
40	Study on Nanofibers of Polyaniline via Interfacial Polymerization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 1815-1824.	1.2	18
41	Preparation of β -cyclodextrin reinforced waterborne polyurethane nanocomposites with excellent mechanical and self-healing property. <i>Composites Science and Technology</i> , 2018, 168, 55-62.	3.8	18
42	Fabrication and characterization of silver/polystyrene nanospheres with more complete coverage of silver nano-shell. <i>Materials Letters</i> , 2008, 62, 2153-2156.	1.3	16
43	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.	1.9	16
44	One-pot-Fabrication of Ag/PMMA shell/core-Nanocomposites by Chemical Reduction Method. <i>Chemistry Letters</i> , 2004, 33, 1010-1011.	0.7	14
45	Study of the necking phenomenon in fiber drawing by infrared thermography. <i>Polymer Testing</i> , 2010, 29, 674-678.	2.3	14
46	Properties of Compatibilized Nylon 6/ABS Polymer Blends. <i>Journal of Macromolecular Science - Physics</i> , 2006, 45, 557-561.	0.4	13
47	Synthesis and characterization of waterborne polyurethane based on covalently bound dimethylol propionic acid to ϵ -caprolactone based polyester polyol. <i>Progress in Organic Coatings</i> , 2016, 97, 203-209.	1.9	13
48	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.	1.3	12
49	Mechanical and dynamic mechanical properties of polyurethane/Fe-octacarboxyl acid phthalocyanine blends. <i>Progress in Organic Coatings</i> , 2013, 76, 119-124.	1.9	12
50	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.	2.6	12
51	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.	2.4	11
52	Silica-modified SBR/BR blends. <i>Journal of Applied Polymer Science</i> , 2011, 120, 3695-3700.	1.3	11
53	Preparation of Cu(II)-Imprinted Smart Microgels for Selective Separation of Copper Ions. <i>Separation Science and Technology</i> , 2015, 50, 1480-1486.	1.3	11
54	Clay-based nanofibrous membranes reinforced by multi-walled carbon nanotubes. <i>Ceramics International</i> , 2018, 44, 15873-15879.	2.3	11

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55	Analysis of glycolysis products of polyurethane fiber waste with diethylene glycol. <i>Fibers and Polymers</i> , 2007, 8, 13-18.	1.1	10
56	Viscoelastic behavior of poly(acrylonitrile)/attapulgitite nanocomposite solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 367, 52-59.	2.3	10
57	Study on the thermal effects of rubbers during loading-unloading cycles by infrared thermography. <i>Polymer Bulletin</i> , 2013, 70, 171-180.	1.7	10
58	Fabrication of nano-sized attapulgitite-based aerogels as anode material for lithium ion batteries. <i>Journal of Materials Science</i> , 2018, 53, 2054-2064.	1.7	10
59	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.	2.4	10
60	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.	1.2	9
61	Thermal and mechanical properties of dough modeling compound reinforced ethylene propylene diene monomer/silicon rubber composites. <i>Polymer Composites</i> , 2006, 27, 621-626.	2.3	9
62	Temperature dependence of hydrogen bond in Fe-OCAP/polyurethane blends. <i>Journal of Applied Polymer Science</i> , 2013, 130, 2265-2271.	1.3	9
63	A facile co-solvent-free process for waterborne polyurethane preparation. <i>Polymer Bulletin</i> , 2018, 75, 4913-4928.	1.7	9
64	Studies on the Glycolysis Behavior of Polyurethane Fiber Waste with Diethylene Glycol. <i>Journal of Polymers and the Environment</i> , 2006, 14, 191-194.	2.4	8
65	Attapulgitite-supported aluminum oxide hydroxide catalyst for synthesis of poly(ethylene Terephthalate). <i>Polymer Bulletin</i> , 2018, 75, 4913-4928.	1.3	8
66	Preparation and characterization of hydroxybutyl chitosan. <i>E-Polymers</i> , 2010, 10, .	1.3	6
67	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.	1.7	6
68	Fabrication of Attapulgitite/Multi-walled Carbon Nanotube Aerogels As Anode Material for Lithium Ion Batteries. <i>Journal of Electronic Materials</i> , 2020, 49, 2058-2065.	1.0	6
69	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.	1.2	4
70	Fabrication and photocatalytic behavior of a novel nanocomposite hydrogels containing octacarboxylic acid phthalocyanine. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45428.	1.3	4
71	Fabrication of silver doped attapulgitite aerogels as anode material for lithium ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 19873-19879.	1.1	4
72	Surface deacetylation of chitin nano-whiskers. <i>Polymer Bulletin</i> , 2020, 77, 5345-5355.	1.7	4

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73	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.	1.3	3
74	Preparation and performances of ethylene- <i>propylene</i> -diene terpolymer/acrylic rubber reinforced with a dough-modeling compound. <i>Journal of Applied Polymer Science</i> , 2008, 107, 1803-1808.	1.3	2
75	The preparation and characterization of Fe-octacarboxyl acid phthalocyanine-polyethylene glycol/polyurethane blends. <i>Journal of Polymer Research</i> , 2014, 21, 1.	1.2	2
76	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.	1.1	2
77	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.	1.2	1
78	Preparation and characterization of hydroxybutyl chitosan. <i>E-Polymers</i> , 2010, 10, .	1.3	0
79	Thermal Properties of Fe-octacarboxyl Acid Phthalocyanine/Polyurethane Blends. <i>Journal of Macromolecular Science - Physics</i> , 2014, 53, 1654-1664.	0.4	0
80	The Preparation and Photocatalytic Degradation Property of the Fe-octacarboxylic Acid Phthalocyanine/Attapulgite Nano-composite Catalyst. , 2015, , .		0
81	Preparation and characterization of Fe-tetranitro phthalocyanine/polyurethane blends. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	0