

Xinli Jing

List of Publications by Year in descending order

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83
papers

3,567
citations

159585

30
h-index

138484

58
g-index

83
all docs

83
docs citations

83
times ranked

3639
citing authors

#	ARTICLE	IF	CITATIONS
1	Intrinsically conducting polymers for electromagnetic interference shielding. <i>Polymers for Advanced Technologies</i> , 2005, 16, 344-351.	3.2	510
2	Title is missing!. <i>Journal of Materials Science Letters</i> , 2000, 19, 377-379.	0.5	184
3	Sonochemical synthesis of polyaniline nanofibers. <i>Ultrasonics Sonochemistry</i> , 2007, 14, 75-80.	8.2	163
4	Boronic Ester Based Vitrimers with Enhanced Stability via Internal Boron-Nitrogen Coordination. <i>Journal of the American Chemical Society</i> , 2020, 142, 21852-21860.	13.7	150
5	Preparation of a Stable Graphene Dispersion with High Concentration by Ultrasound. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10368-10373.	2.6	137
6	The thermal stability and pyrolysis mechanism of boron-containing phenolic resins: The effect of phenyl borates on the char formation. <i>Applied Surface Science</i> , 2015, 331, 519-529.	6.1	122
7	Room-temperature fully recyclable carbon fibre reinforced phenolic composites through dynamic covalent boronic ester bonds. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10868-10878.	10.3	122
8	High char yield of aryl boron-containing phenolic resins: The effect of phenylboronic acid on the thermal stability and carbonization of phenolic resins. <i>Polymer Degradation and Stability</i> , 2014, 99, 1-11.	5.8	119
9	Facile preparation of a mechanically robust superhydrophobic acrylic polyurethane coating. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13856-13863.	10.3	116
10	Pyrolysis and structure of hyperbranched polyborate modified phenolic resins. <i>Carbon</i> , 2007, 45, 1965-1971.	10.3	96
11	Polyaniline nanofibers prepared with ultrasonic irradiation. <i>Journal of Polymer Science Part A</i> , 2006, 44, 1014-1019.	2.3	85
12	Formation of Polyaniline Nanofibers: A Morphological Study. <i>Journal of Physical Chemistry B</i> , 2008, 112, 1157-1162.	2.6	85
13	Electrical conductivity and electromagnetic interference shielding of polyaniline/polyacrylate composite coatings. <i>Journal of Applied Polymer Science</i> , 2005, 98, 2149-2156.	2.6	73
14	Effect of chemical structure and cross-link density on the heat resistance of phenolic resin. <i>Polymer Degradation and Stability</i> , 2015, 111, 239-246.	5.8	72
15	A robust and versatile superhydrophobic coating: Wear-resistance study upon sandpaper abrasion. <i>Applied Surface Science</i> , 2019, 480, 738-748.	6.1	71
16	Polyaniline nanofibers prepared with hydrogen peroxide as oxidant. <i>Synthetic Metals</i> , 2007, 157, 269-275.	3.9	70
17	Recyclable, Self-Healable, and Highly Malleable Poly(urethane-urea)s with Improved Thermal and Mechanical Performances. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35403-35414.	8.0	63
18	Enhanced thermal resistance of phenolic resin composites at low loading of graphene oxide. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013, 54, 166-172.	7.6	57

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19	Transparent conductive thin films based on polyaniline nanofibers. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 138, 95-100.	3.5	56
20	Facile preparation of gadolinium (<sc>iii</sc>) chelates functionalized carbon quantum dot-based contrast agent for magnetic resonance/fluorescence multimodal imaging. <i>Journal of Materials Chemistry B</i> , 2014, 2, 5541-5549.	5.8	53
21	Behavior investigation of phenolic hydroxyl groups during the pyrolysis of cured phenolic resin via molecular dynamics simulation. <i>Polymer Degradation and Stability</i> , 2016, 125, 97-104.	5.8	49
22	Polypyrrole composites with carbon materials for supercapacitors. <i>Chemical Papers</i> , 2017, 71, 293-316.	2.2	49
23	Water-based acrylate copolymer/silica hybrids for facile preparation of robust and durable superhydrophobic coatings. <i>Applied Surface Science</i> , 2018, 447, 489-499.	6.1	46
24	Synthesis and characterization of novel phenolic resins containing aryl-boron backbone and their utilization in polymeric composites with improved thermal and mechanical properties. <i>Polymers for Advanced Technologies</i> , 2014, 25, 152-159.	3.2	44
25	Bis-benzoxazine resins with high char yield and toughness modified by hyperbranched poly(resorcinol) Tj ETQq1 1 0,784314 rgBT /Over 7.6 40	7.6	40
26	Adhesion improvement of electroless copper plating on phenolic resin matrix composite through a tin-free sensitization process. <i>Applied Surface Science</i> , 2013, 271, 303-310.	6.1	38
27	Pyrolysis of hyperbranched polyborate modified phenolic resin. <i>Polymer Engineering and Science</i> , 2010, 50, 1382-1388.	3.1	37
28	Effect of solution concentration on the UV-vis spectroscopy measured oxidation state of polyaniline base. <i>Polymer Testing</i> , 2005, 24, 153-156.	4.8	35
29	Preparation of an Epoxy/Polyaniline Composite Coating and Its Passivation Effect on Cold Rolled Steel. <i>Polymer Journal</i> , 2004, 36, 374-379.	2.7	34
30	Curing behavior and microstructure of epoxy-POSS modified novolac phenolic resin with different substitution degree. <i>Polymer</i> , 2019, 178, 121587.	3.8	34
31	Influence of poly (dihydroxybiphenyl borate) on the curing behaviour and thermal pyrolysis mechanism of phenolic resin. <i>Polymer Degradation and Stability</i> , 2017, 144, 378-391.	5.8	33
32	An investigation on the effect of phenylboronic acid on the processibilities and thermal properties of bis-benzoxazine resins. <i>Reactive and Functional Polymers</i> , 2015, 93, 111-119.	4.1	29
33	A high concentration graphene dispersion stabilized by polyaniline nanofibers. <i>Synthetic Metals</i> , 2012, 162, 1107-1113.	3.9	26
34	High carbon yield thermoset resin based on phenolic resin, hyperbranched polyborate, and paraformaldehyde. <i>Polymers for Advanced Technologies</i> , 2011, 22, 2592-2595.	3.2	25
35	Curing behaviour and properties of a novel benzoxazine resin via catalysis of 2-phenyl-1,3,2-benzodioxaborole. <i>Reactive and Functional Polymers</i> , 2017, 117, 60-69.	4.1	25
36	In-depth understanding on the early stage of phenolic resin thermal pyrolysis through ReaxFF-molecular dynamics simulation. <i>Polymer Degradation and Stability</i> , 2021, 186, 109534.	5.8	25

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37	Polyaniline micro-/nanostructures: morphology control and formation mechanism exploration. <i>Chemical Papers</i> , 2013, 67, .	2.2	24
38	Influence of borate structure on the thermal stability of boron-containing phenolic resins: A DFT study. <i>Polymer Degradation and Stability</i> , 2015, 119, 190-197.	5.8	24
39	Fabrication and characterization of poly (bisphenol A borate) with high thermal stability. <i>Applied Surface Science</i> , 2017, 392, 481-491.	6.1	24
40	Thermal stability of phenolic resin: new insights based on bond dissociation energy and reactivity of functional groups. <i>RSC Advances</i> , 2016, 6, 55007-55016.	3.6	22
41	Cross-linked polymers based on B–O bonds: synthesis, structure and properties. <i>Materials Chemistry Frontiers</i> , 2021, 5, 5534-5548.	5.9	22
42	Preparation and characterization of polyaniline with high electrical conductivity. <i>Polymers for Advanced Technologies</i> , 2009, 20, 689-695.	3.2	21
43	Morphology control of chemically prepared polyaniline nanostructures: Effects of mass transfer. <i>Reactive and Functional Polymers</i> , 2009, 69, 797-807.	4.1	20
44	Early stage pH profile: the key factor controlling the construction of polyaniline micro/nanostructures. <i>Journal of Polymer Research</i> , 2011, 18, 2119-2131.	2.4	20
45	Thermal properties of hyperbranched polyborate functionalized multiwall carbon nanotube/polybenzoxazine composites. <i>Polymer Composites</i> , 2011, 32, 1352-1361.	4.6	20
46	Role of Nonbond Interactions in the Glass Transition of Novolac-Type Phenolic Resin: A Molecular Dynamics Study. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 9440-9451.	3.7	20
47	Fully recyclable and high performance phenolic resin based on dynamic urethane bonds and its application in self-repairable composites. <i>Polymer</i> , 2021, 229, 124022.	3.8	20
48	Structure and thermal pyrolysis mechanism of poly(resorcinol borate) with high char yield. <i>Polymer Degradation and Stability</i> , 2016, 130, 328-337.	5.8	19
49	Azo dye aggregates and their roles in the morphology and conductivity of polypyrrole. <i>Dyes and Pigments</i> , 2020, 177, 108329.	3.7	18
50	Synthesis and properties of a novel hyperbranched borate. <i>Journal of Polymer Science Part A</i> , 2007, 45, 3473-3476.	2.3	17
51	Miscibility, morphology, and thermal properties of hyperbranched polyborates modified phenolic resins. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 2012-2021.	2.1	17
52	Self-assembly of aniline oligomers in aqueous medium. <i>Colloid and Polymer Science</i> , 2012, 290, 817-828.	2.1	17
53	Synthesis and characterization of poly (dihydroxybiphenyl borate) with high char yield for high-performance thermosetting resins. <i>Applied Surface Science</i> , 2018, 428, 912-923.	6.1	17
54	Fully recyclable and reprocessable polystyrene-based vitrimers with improved thermal stability and mechanical properties through nitrogen-coordinating cyclic boronic ester bonds. <i>Applied Surface Science</i> , 2021, 570, 151157.	6.1	17

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55	Preparation of polystyrene/polyaniline core/shell structured particles and their epoxy-based conductive composites. <i>Polymer International</i> , 2007, 56, 126-131.	3.1	16
56	Effects of ultrasonic irradiation on the morphology of chemically prepared polyaniline nanofibers. <i>Journal of Applied Polymer Science</i> , 2009, 113, 868-875.	2.6	16
57	Easy preparation of an MRI contrast agent with high longitudinal relaxivity based on gadolinium ions-loaded graphene oxide. <i>RSC Advances</i> , 2014, 4, 53987-53992.	3.6	16
58	Facile preparation of recyclable cyclic polyolefin/polystyrene vitrimers with low dielectric loss based on semi-interpenetrating polymer networks for high-frequency copper-clad laminates. <i>Polymer</i> , 2021, 233, 124214.	3.8	16
59	Situ preparation of SiO ₂ on graphene-assisted anti-oxidation for resol phenolic resin. <i>Polymer Degradation and Stability</i> , 2018, 154, 222-233.	5.8	15
60	Self-assembly of aniline oligomers and their induced polyaniline supra-molecular structures. <i>Chemical Papers</i> , 2013, 67, .	2.2	14
61	Pyrolysis mechanism of phenylboronic acid modified phenolic resin. <i>Polymer Degradation and Stability</i> , 2021, 191, 109672.	5.8	14
62	Healable ablative composites from synergistically crosslinked phenolic resin. <i>Chemical Engineering Journal</i> , 2022, 447, 137571.	12.7	14
63	Novel adamantane-containing epoxy resin. <i>Journal of Applied Polymer Science</i> , 2007, 106, 737-742.	2.6	13
64	Study on the Effect of the Lead Dioxide Particles on the Anodic Electrode Performance for Ozone Generation. <i>Electrochemistry</i> , 2006, 74, 539-543.	1.4	11
65	The dependence of pendulum hardness on the thickness of acrylic coating. <i>Journal of Coatings Technology Research</i> , 2013, 10, 433-439.	2.5	11
66	Synthesis of epoxide functionalized hyperbranched polyurethane and its blending with benzoxazine: cure kinetics and thermal properties. <i>Polymer Bulletin</i> , 2017, 74, 4209-4222.	3.3	10
67	Enhanced thermal resistance and ablation properties of ethylene-propylene-diene monomer rubber with boron-containing phenolic resins. <i>Reactive and Functional Polymers</i> , 2022, 170, 105136.	4.1	8
68	A dense hybrid network of epoxide hyperbranched polyurethane and benzoxazine with improved thermomechanical properties via tuning its curing reaction and physical state. <i>Polymer</i> , 2019, 179, 121659.	3.8	7
69	The effect of free dihydroxydiphenylmethanes on the thermal stability of novolac resin. <i>Polymer Degradation and Stability</i> , 2019, 168, 108946.	5.8	7
70	Facilely prepared conductive hydrogels based on polypyrrole nanotubes. <i>Chemical Papers</i> , 2021, 75, 5113-5120.	2.2	7
71	Preparation and characterization of PVC/PANI conductive composite with extremely low percolation threshold. <i>Polymers for Advanced Technologies</i> , 2004, 15, 481-484.	3.2	5
72	Polyaniline precipitation in aqueous medium: from bulk aggregates to nanoparticles. <i>Colloid and Polymer Science</i> , 2014, 292, 1099-1110.	2.1	4

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73	Initial reaction mechanism between HO \cdot and bisphenol \cdot : Conformational dependence and the role of nonbond interactions. International Journal of Quantum Chemistry, 2017, 117, e25342.	2.0	4
74	Time-temperature transformation diagram of modified resol phenolic resin and the thermomechanical performance of resol phenolic resin/glass fabric composite. Polymers for Advanced Technologies, 2018, 29, 2827-2837.	3.2	4
75	Low-temperature synthesis of high-purity boron carbide via an aromatic polymer precursor. Journal of Materials Research, 2018, 33, 1659-1670.	2.6	4
76	Polyaniline self-assembled with DTPA: Facilely tuned morphology and properties. Journal of Applied Polymer Science, 2015, 132, .	2.6	3
77	The temperature dependence of the coefficients of thermal expansion of phenolic resin. Polymer Composites, 2016, 37, 146-152.	4.6	3
78	High-Performance Pd/AC Catalyst for Meropenem Synthesis Based on Selective Surface Modification of Activated Carbon. Catalysis Letters, 2022, 152, 2078-2089.	2.6	3
79	Investigation of the performance of microelectrodes with micrometer size structural diameters. Electroanalysis, 1997, 9, 718-721.	2.9	2
80	Computer Simulation of Resin Flow through the Bleeder in the Autoclave Curing Process. Polymers and Polymer Composites, 2010, 18, 275-282.	1.9	2
81	Pendulum hardness of polyurethane coatings during curing. Pigment and Resin Technology, 2014, 43, 271-276.	0.9	2
82	Influence of temperature on the phase inversion of chlorinated polypropylene. Journal of Applied Polymer Science, 2014, 131, .	2.6	2
83	Synthesis of Boron-Doped Phenolic Porous Carbon As Efficient Catalyst for the Dehydration of Fructose into 5-Hydroxymethylfurfural. Industrial & Engineering Chemistry Research, 2022, 61, 4222-4234.	3.7	2