

Daming Wang

List of Publications by Year in descending order

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49
papers

1,151
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304743

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docs citations

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times ranked

941
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple and green strategy for preparing flexible thermoplastic polyimide foams with exceptional mechanical, thermal-insulating properties, and temperature resistance for high-temperature lightweight composite sandwich structures. <i>Composites Part B: Engineering</i> , 2022, 228, 109405.	12.0	25
2	Highly stable electrochromism and electrofluorochromism derived from a bi-functional polyamide containing conjugated bis(diphenylamine-spirodifluorene) moieties. <i>Dyes and Pigments</i> , 2022, 199, 110072.	3.7	5
3	Interfacial adhesion of carbon fiber to special engineering plastics: Effect of the functional groups in the matrix. <i>High Performance Polymers</i> , 2021, 33, 462-468.	1.8	1
4	The spirobichroman-based polyimides with different side groups: from structure–property relationships to chain packing and gas transport performance. <i>RSC Advances</i> , 2021, 11, 5086-5095.	3.6	4
5	Characterization of a transcriptional regulator PtxS from <i>Pseudomonas plecoglossicida</i> for regulating 2-ketogluconic acid metabolism. <i>International Journal of Biological Macromolecules</i> , 2021, 174, 330-338.	7.5	0
6	3D Printing of Lightweight Polyimide Honeycombs with the High Specific Strength and Temperature Resistance. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15690-15700.	8.0	27
7	Soluble copolyimides containing 4,4'-isopropylidenedicyclohexanol (HBPA) isomer units: Synthesis, characterization, thermal, mechanical, and optical properties. <i>High Performance Polymers</i> , 2020, 32, 406-417.	1.8	2
8	PEEK composites with polyimide sizing SCF as reinforcement: Preparation, characterization, and mechanical properties. <i>High Performance Polymers</i> , 2020, 32, 383-393.	1.8	12
9	Colorless-to-Black Electrochromic and AIE-Active Polyamides: An Effective Strategy for the Highest-Contrast Electrofluorochromism. <i>Macromolecules</i> , 2020, 53, 10117-10127.	4.8	42
10	Dual-Switching Electrochromism and Electrofluorochromism Derived from Diphenylamine-Based Polyamides with Spirobifluorene/Pyrene as Bridged Fluorescence Units. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22099-22107.	8.0	30
11	Improving the Interfacial Adhesion of Carbon Fiber/Polyether Ether Ketone Composites by Polyimide Coating. <i>ChemistrySelect</i> , 2020, 5, 5507-5514.	1.5	9
12	Production of 2-keto-gluconic acid from glucose by immobilized <i>Pseudomonas plecoglossicida</i> resting cells. <i>3 Biotech</i> , 2020, 10, 253.	2.2	5
13	In situ synthesis of MWCNT-graft-polyimides: thermal stability, mechanical property and thermal conductivity. <i>RSC Advances</i> , 2020, 10, 13517-13524.	3.6	9
14	Two-Stage Semi-Continuous 2-Keto-Gluconic Acid (2KGA) Production by <i>Pseudomonas plecoglossicida</i> JUIM01 From Rice Starch Hydrolyzate. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 120.	4.1	11
15	A 2-ketogluconate kinase KguK in <i>Pseudomonas plecoglossicida</i> JUIM01: Enzymatic characterization and its role in 2-keto-d-gluconic acid metabolism. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 2640-2648.	7.5	1
16	Synergistic effect between electroactive tetraphenyl- <i>p</i> -phenylenediamine and AIE-active tetraphenylethylene for highly integrated electrochromic/electrofluorochromic performances. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9308-9315.	5.5	28
17	High-Performance Emission/Color Dual-Switchable Polymer-Bearing Pendant Tetraphenylethylene (TPE) and Triphenylamine (TPA) Moieties. <i>Macromolecules</i> , 2019, 52, 5131-5139.	4.8	40
18	Highly soluble polyimide bearing bulky pendant diphenylamine-pyrene for fast-response electrochromic and electrofluorochromic applications. <i>Dyes and Pigments</i> , 2019, 171, 107668.	3.7	29

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19	Soluble Polyimides Bearing (cis, trans)-Hydrogenated Bisphenol A and (trans, trans)-Hydrogenated Bisphenol A Moieties: Synthesis, Properties and the Conformational Effect. <i>Polymers</i> , 2019, 11, 854.	4.5	9
20	A Membrane-Bound Gluconate Dehydrogenase from 2-Keto-d-Gluconic Acid Industrial Producing Strain <i>Pseudomonas plecoglossicida</i> JUIM01: Purification, Characterization, and Gene Identification. <i>Applied Biochemistry and Biotechnology</i> , 2019, 188, 897-913.	2.9	10
21	High-performance blue fluorescent/electroactive polyamide bearing <i>p</i> -phenylenediamine and asymmetrical SBF/TPA-based units for electrochromic and electrofluorochromic multifunctional applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4644-4652.	5.5	29
22	Aromatic polyimides containing pyridine and spirocyclic units: Preparation, thermal and gas separation properties. <i>Polymer</i> , 2019, 168, 199-208.	3.8	26
23	Atomic oxygen effects on polymers containing silicon or phosphorus: Mass loss, erosion yield, and surface morphology. <i>High Performance Polymers</i> , 2019, 31, 969-976.	1.8	11
24	Novel copolyimides containing 1,4:3,6-dianhydro-D-mannitol unit Preparation, characterization, thermal, mechanical, soluble, and optical properties. <i>High Performance Polymers</i> , 2019, 31, 220-229.	1.8	8
25	AIE-Active Polyamide Containing Diphenylamine-TPE Moiety with Superior Electrofluorochromic Performance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16105-16112.	8.0	81
26	A Novel 2-Keto-d-Gluconic Acid High-Producing Strain <i>Arthrobacter globiformis</i> JUIM02. <i>Applied Biochemistry and Biotechnology</i> , 2018, 185, 947-957.	2.9	5
27	Transparent and soluble polyimide films from 1,4:3,6-dianhydro-D-mannitol based dianhydride and diamines containing aromatic and semiaromatic units: Preparation, characterization, thermal and mechanical properties. <i>Polymer Degradation and Stability</i> , 2018, 151, 80-89.	5.8	38
28	Atomic oxygen effects on silvered polyimide films and their surface modification by poly(siloxane amic) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.6	7
29	Purification, characterization and gene identification of a membrane-bound glucose dehydrogenase from 2-keto-d-gluconic acid industrial producing strain <i>Pseudomonas plecoglossicida</i> JUIM01. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 534-541.	7.5	12
30	Highly stable and fast blue color/fluorescence dual-switching polymer realized through the introduction of ether linkage between tetraphenylethylene and triphenylamine units. <i>Electrochimica Acta</i> , 2018, 284, 655-661.	5.2	21
31	Transparent and soluble polyimide films containing 4,4'-isopropylidenedicyclohexanol (<i>p</i> -Cis-4,4'-HBPA) units: Preparation, characterization, thermal, mechanical, and dielectric properties. <i>Journal of Polymer Science Part A</i> , 2018, 56, 2115-2128.	2.3	16
32	Influence of 1:4:3:6-dianhydro-d- mannitol-based polyamide as an additive on morphology, permeability and antifouling performance of PES ultrafiltration membrane. <i>High Performance Polymers</i> , 2018, 30, 1147-1158.	1.8	0
33	Preparation of hydrophilic and antifouling polysulfone ultrafiltration membrane derived from phenolphthalin by copolymerization method. <i>Applied Surface Science</i> , 2017, 401, 69-78.	6.1	65
34	Aggregation-enhanced emission (AEE)-active polyamides with methylsulfonyltriphenylamine units for electrofluorochromic applications. <i>Dyes and Pigments</i> , 2017, 141, 356-362.	3.7	31
35	Optically transparent polyamides bearing phenoxyl, diphenylamine and fluorene units with high-contrast of electrochromic and electrofluorescent behaviors. <i>Polymer</i> , 2017, 116, 89-98.	3.8	29
36	Polymerization of poly-(amic acid) ammonium salt in aqueous solution and its use in flexible printed circuit boards. <i>European Polymer Journal</i> , 2017, 96, 393-402.	5.4	16

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37	Electroactive (A3+B2)-type hyperbranched polyimides with highly stable and multistage electrochromic behaviors. <i>Electrochimica Acta</i> , 2017, 256, 119-128.	5.2	36
38	Highly optical transparency and thermally stable polyimides containing pyridine and phenyl pendant. <i>Designed Monomers and Polymers</i> , 2017, 20, 449-457.	1.6	12
39	Multi-shape memory effect of polyimides with extremely high strain. <i>RSC Advances</i> , 2017, 7, 53492-53496.	3.6	12
40	Soluble polyimides containing 1,4:3,6-di- <i>o</i> -hydroxy- <i>o</i> -glucitol and fluorinated units: Preparation, characterization, optical, and dielectric properties. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3253-3265.	2.3	47
41	Novel aromatic polyamides containing 2-(diphenylamino)-(9,9-dimethylamine) units as multicolored electrochromic and high-contrast electrofluorescent materials. <i>Journal of Polymer Science Part A</i> , 2017, 55, 213-222.	2.3	31
42	Highly stable electrochromic and electrofluorescent dual-switching polyamide containing bis(diphenylamino)-fluorene moieties. <i>Polymer Chemistry</i> , 2016, 7, 6055-6063.	3.9	60
43	High-contrast electrochromic and electrofluorescent dual-switching materials based on 2-diphenylamine-(9,9-diphenylfluorene)-functionalized semi-aromatic polymers. <i>RSC Advances</i> , 2016, 6, 66288-66296.	3.6	21
44	Thermal, morphology, and mechanical properties of polyphenylene sulfide/polyether sulfone binary blends. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	10
45	High transparent polyimides containing pyridine and biphenyl units: Synthesis, thermal, mechanical, crystal and optical properties. <i>Polymer</i> , 2015, 62, 1-10.	3.8	65
46	Novel polyamides with fluorene-based triphenylamine: electrofluorescence and electrochromic properties. <i>RSC Advances</i> , 2015, 5, 88181-88190.	3.6	44
47	Novel soluble polyimides derived from 2,2-bis[4-(5-amino-2-pyridinoxy)phenyl]hexafluoropropane: Preparation, characterization, and optical, dielectric properties. <i>Polymer</i> , 2014, 55, 3634-3641.	3.8	65
48	Negative in-plane CTE of benzimidazole-based polyimide film and its thermal expansion behavior. <i>Polymer</i> , 2014, 55, 3242-3246.	3.8	41
49	Rigidity enhancement of polyimides containing benzimidazole moieties. <i>Journal of Applied Polymer Science</i> , 2013, 130, 1653-1658.	2.6	13