

Hongwei Zhou

List of Publications by Year in descending order

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papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Preparation and characterization of soluble heat-resistant polyimide films containing bis-N-phenyl-benzimidazole. <i>High Performance Polymers</i> , 2022, 34, 197-208.	1.8	1
2	<i>N</i> -Phenyl-substituted poly(benzimidazole imide)s with high glass transition temperature and low coefficient of thermal expansion. <i>RSC Advances</i> , 2022, 12, 4234-4239.	3.6	12
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	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
5	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
6	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
7	Improving the Interfacial Adhesion of Carbon Fiber/Polyether Ether Ketone Composites by Polyimide Coating. <i>ChemistrySelect</i> , 2020, 5, 5507-5514.	1.5	9
8	Insights into the relationship between structure and properties of Spirobichroman-based polyimides: Effects of substituents on molecular structure and gas separation. <i>Materials and Design</i> , 2020, 194, 108933.	7.0	12
9	Highly thermally stable and flexible conductive film electrodes based on photo-responsive shape memory polyimide. <i>Smart Materials and Structures</i> , 2020, 29, 115040.	3.5	8
10	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
11	Novel copolyimides containing 1,4:3,6-dianhydro-D-glucitol unit Preparation, characterization, thermal, mechanical, soluble, and optical properties. <i>High Performance Polymers</i> , 2019, 31, 220-229.	1.8	8
12	Transparent and soluble polyimide films containing 4,4'-isopropylidenedicyclohexanol (<i>cis</i> -HBPA) units: Preparation, characterization, thermal, mechanical, and dielectric properties. <i>Journal of Polymer Science Part A</i> , 2018, 56, 2115-2128.	2.3	16
13	Properties of carbon fibre/bismaleimide composites ex situ toughened with phosphorous-containing poly(arylene ether ketone) film. <i>High Performance Polymers</i> , 2017, 29, 533-543.	1.8	4
14	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
15	Multi-shape memory effect of polyimides with extremely high strain. <i>RSC Advances</i> , 2017, 7, 53492-53496.	3.6	12
16	Soluble polyimides containing 1,4:3,6-dianhydro-D-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
17	Effects of molecular weight on the dynamic mechanical properties and interfacial properties of carbon fiber fabric-reinforced polyetherketone cardo composites. <i>High Performance Polymers</i> , 2016, 28, 1210-1217.	1.8	5
18	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

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19	Highly transparent polyimides derived from 2-phenyl-4,6-bis(4-aminophenoxy)pyrimidine and 1,3-bis(5-amino-2-pyridinoxy)benzene: preparation, characterization, and optical properties. RSC Advances, 2015, 5, 103246-103254.	3.6	15
20	Novel soluble polyimides derived from 2,2,2-trifluoroethyl 4-(5-amino-2-pyridinoxy)phenyl hexafluoropropane: Preparation, characterization, and optical, dielectric properties. Polymer, 2014, 55, 3634-3641.	3.8	65
21	Negative in-plane CTE of benzimidazole-based polyimide film and its thermal expansion behavior. Polymer, 2014, 55, 3242-3246.	3.8	41
22	Intermolecular interactions of polyimides containing benzimidazole and benzoxazole moieties. Polymer, 2013, 54, 2335-2340.	3.8	59
23	Rigidity enhancement of polyimides containing benzimidazole moieties. Journal of Applied Polymer Science, 2013, 130, 1653-1658.	2.6	13
24	Synthesis and characterization of benzimidazole-based low CTE block copolyimides. Journal of Applied Polymer Science, 2013, 129, 2561-2570.	2.6	25
25	Synthesis and characterization of thermally stable, high modulus polyimides containing benzimidazole moieties. Journal of Polymer Science Part A, 2009, 47, 2024-2031.	2.3	78
26	Facile fabrication of macroporous polyimide films with pores distributing on one side. Journal of Applied Polymer Science, 2007, 104, 261-266.	2.6	5
27	Crystallographic Equivalence of Ether and Ketone Groups in Poly(aryl ether ketone)s. Macromolecular Chemistry and Physics, 2001, 202, 1862-1865.	2.2	1