

Hongwei Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

617
citations

759233

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27
times ranked

556
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of thermally stable, high modulus polyimides containing benzimidazole moieties. <i>Journal of Polymer Science Part A</i> , 2009, 47, 2024-2031.	2.3	78
2	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
3	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
4	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
5	Intermolecular interactions of polyimides containing benzimidazole and benzoxazole moieties. <i>Polymer</i> , 2013, 54, 2335-2340.	3.8	59
6	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
7	Negative in-plane CTE of benzimidazole-based polyimide film and its thermal expansion behavior. <i>Polymer</i> , 2014, 55, 3242-3246.	3.8	41
8	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
9	Synthesis and characterization of benzimidazole-based low CTE block copolyimides. <i>Journal of Applied Polymer Science</i> , 2013, 129, 2561-2570.	2.6	25
10	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
11	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. <i>RSC Advances</i> , 2015, 5, 103246-103254.	3.6	15
12	Rigidity enhancement of polyimides containing benzimidazole moieties. <i>Journal of Applied Polymer Science</i> , 2013, 130, 1653-1658.	2.6	13
13	Multi-shape memory effect of polyimides with extremely high strain. <i>RSC Advances</i> , 2017, 7, 53492-53496.	3.6	12
14	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
15	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
16	<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
17	Soluble Polyimides Bearing (<i>cis</i> , <i>trans</i>)-Hydrogenated Bisphenol A and (<i>trans</i> , <i>trans</i>)-Hydrogenated Bisphenol A Moieties: Synthesis, Properties and the Conformational Effect. <i>Polymers</i> , 2019, 11, 854.	4.5	9
18	Improving the Interfacial Adhesion of Carbon Fiber/Polyether Ether Ketone Composites by Polyimide Coating. <i>ChemistrySelect</i> , 2020, 5, 5507-5514.	1.5	9

#	ARTICLE	IF	CITATIONS
19	Novel copolyimides containing 1,4:3,6-dianhydro-D-mannitol unit Preparation, characterization, thermal, mechanical, soluble, and optical properties. High Performance Polymers, 2019, 31, 220-229.	1.8	8
20	Highly thermally stable and flexible conductive film electrodes based on photo-responsive shape memory polyimide. Smart Materials and Structures, 2020, 29, 115040.	3.5	8
21	Facile fabrication of macroporous polyimide films with pores distributing on one side. Journal of Applied Polymer Science, 2007, 104, 261-266.	2.6	5
22	Effects of molecular weight on the dynamic mechanical properties and interfacial properties of carbon fiber fabric-reinforced polyetherketone cardo composites. High Performance Polymers, 2016, 28, 1210-1217.	1.8	5
23	Properties of carbon fibre/bismaleimide composites ex situ toughened with phosphorous-containing poly(arylene ether ketone) film. High Performance Polymers, 2017, 29, 533-543.	1.8	4
24	Soluble copolyimides containing 4,4'-isopropylidenedicyclohexanol (HBPA) isomer units: Synthesis, characterization, thermal, mechanical, and optical properties. High Performance Polymers, 2020, 32, 406-417.	1.8	2
25	Crystallographic Equivalence of Ether and Ketone Groups in Poly(aryl ether ketone)s. Macromolecular Chemistry and Physics, 2001, 202, 1862-1865.	2.2	1
26	Interfacial adhesion of carbon fiber to special engineering plastics: Effect of the functional groups in the matrix. High Performance Polymers, 2021, 33, 462-468.	1.8	1
27	Preparation and characterization of soluble heat-resistant polyimide films containing bis-N-phenyl-benzimidazole. High Performance Polymers, 2022, 34, 197-208.	1.8	1