

Yi-Wu Liu

List of Publications by Year in descending order

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25
papers

568
citations

759233

12
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all docs

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docs citations

25
times ranked

588
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of UV radiation ageing on the structure, mechanical and gas permeability performances of ethylene-“propylene” diene rubber. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	8
2	Structure and Gas Barrier Properties of Polyimide Containing a Rigid Planar Fluorene Moiety and an Amide Group: Insights from Molecular Simulations. <i>ACS Omega</i> , 2021, 6, 4273-4281.	3.5	16
3	Influence of ultraviolet aging on the structure, mechanical and gas permeability properties of hydrogenated nitrile butadiene rubber. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50543.	2.6	5
4	Structure-Gas Barrier Property Relationship in a Novel Polyimide Containing Naphthalene and Amide Groups: Evaluation by Experiments and Simulations. <i>Materials</i> , 2021, 14, 1402.	2.9	2
5	Impact of Backbone Amide Substitution at the Meta- and Para-Positions on the Gas Barrier Properties of Polyimide. <i>Materials</i> , 2021, 14, 2097.	2.9	0
6	The Effect of Molecular Isomerism on the Barrier Properties of Polyimides: Perspectives from Experiments and Simulations. <i>Polymers</i> , 2021, 13, 1749.	4.5	7
7	Synthesis, gas barrier and molecular simulation of intrinsic high-barrier polyimide bearing carbazole and amide. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	3
8	High-Barrier Polyimide Containing Carbazole Moiety: Synthesis, Gas Barrier Properties, and Molecular Simulations. <i>Polymers</i> , 2020, 12, 2048.	4.5	7
9	Molecular simulations of gas transport in hydrogenated nitrile butadiene rubber. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	8
10	Synthesis, properties, and molecular simulations of high-barrier polyimide containing carbazole moiety and amide group in the main chain. <i>Journal of Polymer Science</i> , 2020, 58, 3467-3479.	3.8	4
11	Molecular simulations of gas transport in hydrogenated nitrile butadiene rubber and ethylene-“propylene” diene rubber. <i>RSC Advances</i> , 2020, 10, 12475-12484.	3.6	14
12	Synthesis and Properties of High Performance Functional Polyimides Containing Rigid Nonplanar Conjugated Fluorene Moieties. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019, 37, 416-427.	3.8	43
13	Novel high-barrier polyimide containing rigid planar dibenzofuran moiety in main chain. <i>High Performance Polymers</i> , 2018, 30, 539-548.	1.8	4
14	Synthesis, gas barrier and thermal properties of polyimide containing rigid planar fluorene moieties. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2018, 55, 75-84.	2.2	15
15	Macromol. Mater. Eng. 7/2018. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1870026.	3.6	0
16	Polyimide/Graphene Nanocomposites with Improved Gas Barrier and Thermal Properties due to a “Dual-Plane” Structure Effect. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800053.	3.6	12
17	Preparation and properties of side chain liquid crystalline polymers with aggregation-induced emission enhancement characteristics. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7119-7127.	5.5	38
18	Intrinsic high-barrier polyimide with low free volume derived from a novel diamine monomer containing rigid planar moiety. <i>Polymer</i> , 2017, 114, 289-297.	3.8	33

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19	Barrier and thermal properties of polyimide derived from a diamine monomer containing a rigid planar moiety. <i>Polymer International</i> , 2017, 66, 1214-1222.	3.1	7
20	Synthesis and characterization of high-barrier polyimide containing rigid planar moieties and amide groups. <i>Polymer Testing</i> , 2017, 61, 83-92.	4.8	22
21	Synthesis and characterization of intrinsic high-barrier polyimide derived from a novel diamine monomer containing rigid planar moiety. <i>Journal of Polymer Science Part A</i> , 2017, 55, 2373-2382.	2.3	13
22	Exceptionally thermostable and soluble aromatic polyimides with special characteristics: intrinsic ultralow dielectric constant, static random access memory behaviors, transparency and fluorescence. <i>Materials Chemistry Frontiers</i> , 2017, 1, 326-337.	5.9	61
23	A Bulk Dielectric Polymer Film with Intrinsic Ultralow Dielectric Constant and Outstanding Comprehensive Properties. <i>Chemistry of Materials</i> , 2015, 27, 6543-6549.	6.7	131
24	Deep-blue luminescent compound that emits efficiently both in solution and solid state with considerable blue-shift upon aggregation. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1068-1075.	5.5	61
25	Synthesis and properties of high-performance functional polyimides containing rigid nonplanar conjugated tetraphenylethylene moieties. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1302-1314.	2.3	54