Yi-Wu Liu

List of Publications by Year
in descending order

25	568	759233 12	642732 23
papers	citations	h-index	g-index

25	25	25	588
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Bulk Dielectric Polymer Film with Intrinsic Ultralow Dielectric Constant and Outstanding Comprehensive Properties. Chemistry of Materials, 2015, 27, 6543-6549.	6.7	131
2	Deep-blue luminescent compound that emits efficiently both in solution and solid state with considerable blue-shift upon aggregation. Journal of Materials Chemistry C, 2014, 2, 1068-1075.	5.5	61
3	Exceptionally thermostable and soluble aromatic polyimides with special characteristics: intrinsic ultralow dielectric constant, static random access memory behaviors, transparency and fluorescence. Materials Chemistry Frontiers, 2017, 1, 326-337.	5.9	61
4	Synthesis and properties of highâ€performance functional polyimides containing rigid nonplanar conjugated tetraphenylethylene moieties. Journal of Polymer Science Part A, 2013, 51, 1302-1314.	2.3	54
5	Synthesis and Properties of High Performance Functional Polyimides Containing Rigid Nonplanar Conjugated Fluorene Moieties. Chinese Journal of Polymer Science (English Edition), 2019, 37, 416-427.	3.8	43
6	Preparation and properties of side chain liquid crystalline polymers with aggregation-induced emission enhancement characteristics. Journal of Materials Chemistry C, 2018, 6, 7119-7127.	5.5	38
7	Intrinsic high-barrier polyimide with low free volume derived from a novel diamine monomer containing rigid planar moiety. Polymer, 2017, 114, 289-297.	3.8	33
8	Synthesis and characterization of high-barrier polyimide containing rigid planar moieties and amide groups. Polymer Testing, 2017, 61, 83-92.	4.8	22
9	Structure and Gas Barrier Properties of Polyimide Containing a Rigid Planar Fluorene Moiety and an Amide Group: Insights from Molecular Simulations. ACS Omega, 2021, 6, 4273-4281.	3.5	16
10	Synthesis, gas barrier and thermal properties of polyimide containing rigid planar fluorene moieties. Journal of Macromolecular Science - Pure and Applied Chemistry, 2018, 55, 75-84.	2.2	15
11	Molecular simulations of gas transport in hydrogenated nitrile butadiene rubber and ethyleneâ€“propyleneâ€“diene rubber. RSC Advances, 2020, 10, 12475-12484.	3.6	14
12	Synthesis and characterization of intrinsic highâ€barrier polyimide derived from a novel diamine monomer containing rigid planar moiety. Journal of Polymer Science Part A, 2017, 55, 2373-2382.	2.3	13
13	Polyimide/Graphene Nanocomposites with Improved Gas Barrier and Thermal Properties due to a â€œDualâ€Planeâ€•Structure Effect. Macromolecular Materials and Engineering, 2018, 303, 1800053.	3.6	12
14	Molecular simulations of gas transport in hydrogenated nitrile butadiene rubber. Journal of Polymer Research, 2020, 27, 1.	2.4	8
15	The effect of UV radiation ageing on the structure, mechanical and gas permeability performances of ethyleneâ€“propyleneâ€“diene rubber. Journal of Polymer Research, 2021, 28, 1.	2.4	8
16	Barrier and thermal properties of polyimide derived from a diamine monomer containing a rigid planar moiety. Polymer International, 2017, 66, 1214-1222.	3.1	7
17	High-Barrier Polyimide Containing Carbazole Moiety: Synthesis, Gas Barrier Properties, and Molecular Simulations. Polymers, 2020, 12, 2048.	4.5	7
18	The Effect of Molecular Isomerism on the Barrier Properties of Polyimides: Perspectives from Experiments and Simulations. Polymers, 2021, 13, 1749.	4.5	7

#	Article	IF	Citations
19	Influence of ultraviolet aging on the structure, mechanical and gas permeability properties of hydrogenated nitrile butadiene rubber. Journal of Applied Polymer Science, 2021, 138, 50543.	2.6	5
20	Novel high-barrier polyimide containing rigid planar dibenzofuran moiety in main chain. High Performance Polymers, 2018, 30, 539-548.	1.8	4
21	Synthesis, properties, and molecular simulations of highâ€barrier polyimide containing carbazole moiety and amide group in the main chain. Journal of Polymer Science, 2020, 58, 3467-3479.	3.8	4
22	Synthesis, gas barrier and molecular simulation of intrinsic high-barrier polyimide bearing carbazole and amide. Journal of Polymer Research, 2021, 28, 1.	2.4	3
23	Structure-Gas Barrier Property Relationship in a Novel Polyimide Containing Naphthalene and Amide Groups: Evaluation by Experiments and Simulations. Materials, 2021, 14, 1402.	2.9	2
24	Macromol. Mater. Eng. 7/2018. Macromolecular Materials and Engineering, 2018, 303, 1870026.	3.6	0
25	Impact of Backbone Amide Substitution at the Meta- and Para-Positions on the Gas Barrier Properties of Polyimide. Materials, 2021, 14, 2097.	2.9	0