

Jianxin Mu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3939080/publications.pdf>

Version: 2024-02-01

52
papers

724
citations

567281

15
h-index

580821

25
g-index

52
all docs

52
docs citations

52
times ranked

734
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra low dielectric constant soluble polyhedral oligomeric silsesquioxane (POSS)-poly(aryl ether) Tj ETQq1 1 0.784314 rgBT /Overl Chemistry C, 2014, 2, 1094-1103.	5.5	90
2	Facile synthesis and characterization of hyperbranched poly(aryl ether ketone)s obtained via an A₂ + BBâ€²₂ approach. Polymer International, 2010, 59, 1360-1366.	3.1	67
3	A novel structural polyimide material with synergistic phosphorus and POSS for atomic oxygen resistance. RSC Advances, 2015, 5, 11980-11988.	3.6	41
4	A unique "cage"-shaped hydrophobic fluoropolymer film derived from a novel double-decker structural POSS with a low dielectric constant. Journal of Materials Chemistry C, 2015, 3, 11729-11734.	5.5	40
5	Ultra-low dielectric constant materials with hydrophobic property derived from polyhedral oligomeric silsesquioxane (POSS) and perfluoro-aromatics. RSC Advances, 2016, 6, 87433-87439.	3.6	34
6	Preparation, characterization, and properties of poly(aryl ether sulfone) systems with double-decker silsesquioxane in the main chains by reactive blending. Journal of Polymer Science Part A, 2014, 52, 780-788.	2.3	33
7	Significant enhancement of thermal conductivity in segregated(GnPs&MWCNTs)@Polybenzoxazine/(Polyether ether ketone) -based composites with excellent electromagnetic shielding. Chemical Engineering Journal, 2022, 431, 134049.	12.7	30
8	Preparation and properties of epoxy resin composites containing hexaphenoxycyclotriphosphazene. High Performance Polymers, 2014, 26, 114-121.	1.8	29
9	Synthesis and properties of poly(aryl ether sulfone)s incorporating cage and linear organosiloxane in the backbones. Polymer, 2015, 62, 77-85.	3.8	28
10	Study of blends of linear poly(ether ether ketone) of high melt viscosity and hyperbranched poly(ether ether ketone). Polymer International, 2011, 60, 607-612.	3.1	21
11	Preparation and characterisation of nickel-plated carbon fibre/polyether ether ketone composites with high electromagnetic shielding and high thermal conductivity. Colloid and Polymer Science, 2019, 297, 967-977.	2.1	20
12	Fabrication and dielectric properties of poly(ether ether ketone)/polyimide blends with selectively distributed multi-walled carbon nanotubes. Polymer International, 2015, 64, 1555-1559.	3.1	19
13	Synthesis of Bisphenol A Based Phosphazene-Containing Epoxy Resin with Reduced Viscosity. Polymers, 2019, 11, 1914.	4.5	18
14	Effect of hexaphenoxycyclotriphosphazene combined with octapropylglycidylether polyhedral oligomeric silsesquioxane on thermal stability and flame retardancy of epoxy resin. High Performance Polymers, 2014, 26, 744-752.	1.8	17
15	Soluble low- ϵ poly(aryl ether ketone) copolymers containing pendant adamantyl group and long aliphatic side chains. Journal of Applied Polymer Science, 2013, 130, 193-200.	2.6	16
16	Poly(arylene ether ketone)s with low dielectric constants derived from polyhedral oligomeric silsesquioxane and difluorinated aromatic ketones. Journal of Applied Polymer Science, 2018, 135, 46084.	2.6	16
17	Synthesis of Resorcinol-Based Phosphazene-Containing Epoxy Oligomers. Polymers, 2019, 11, 614.	4.5	15
18	Preparation and characterization of hyperbranched poly(ether ether ketone)s suitable as rheology control agents for linear poly(ether ether ketone)s. Macromolecular Research, 2011, 19, 427-435.	2.4	12

#	ARTICLE	IF	CITATIONS
19	Synthesis of crosslinkable fluorinated linear-hyperbranched copolyimides for optical waveguide devices. <i>Journal of Applied Polymer Science</i> , 2013, 127, 1834-1841.	2.6	11
20	A comparative structure-property study of polyphosphazene micro-nano spheres. <i>Polymer Bulletin</i> , 2014, 71, 275-285.	3.3	11
21	Octasilsesquioxane-reinforced TMBP epoxy nanocomposites: Characterization of thermal, flame-retardant, and morphological properties. <i>High Performance Polymers</i> , 2012, 24, 747-755.	1.8	10
22	Morphology, thermal properties, and fire behavior of epoxy resin nanocomposites containing octaammonium polyhedral oligomeric silsesquioxane-modified montmorillonite. <i>High Performance Polymers</i> , 2013, 25, 992-999.	1.8	10
23	Preparation of a novel pH-sensitive hydrogel based on acrylic acid and polyhedral oligomeric silsesquioxane for controlled drug release of theophylline. <i>Polymer Bulletin</i> , 2014, 71, 1877-1889.	3.3	9
24	Phosphorus-containing polyhedral oligomeric silsesquioxane/polyimides hybrid materials with low dielectric constant and low coefficients of thermal expansion. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	9
25	Multiscale-structured superhydrophobic/superoleophilic SiO ₂ composite poly(ether) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 conditions. <i>New Journal of Chemistry</i> , 2020, 44, 3824-3827.	2.8	9
26	Design and preparation of poly(aryl ether ketone)/phosphotungstic acid hybrid films with low dielectric constant. <i>Journal of Applied Polymer Science</i> , 2013, 129, 3219-3225.	2.6	8
27	Comparative synthesis and properties of POSS-based fluorinated poly(ether sulfone) random terpolymers. <i>RSC Advances</i> , 2017, 7, 3914-3920.	3.6	8
28	A comparative study on the influences of whisker and conventional carbon nanotubes on the electrical and thermal conductivity of polyether ether ketone composites. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50720.	2.6	8
29	Synthesis of functionalized fluorine-containing hyperbranched poly(aryl ether ketones) for optical applications. <i>Polymer Science - Series A</i> , 2006, 48, 1035-1040.	1.0	7
30	Preparation and characterization of a novel hyperbranched poly(aryl ether ketone) terminated with cobalt phthalocyanine to be used for oxidative decomposition of 2,4,6-trichlorophenol. <i>Macromolecular Research</i> , 2010, 18, 331-335.	2.4	7
31	Oligo- and polysiloxanephosphazenes based on eugenol cyclotriphosphazene derivatives. <i>Polymer Science - Series B</i> , 2011, 53, 64-72.	0.8	7
32	Synthesis and thermal stability of hybrid polymers using UV photopolymerization based on polyhedral oligomeric silsesquioxanes. <i>High Performance Polymers</i> , 2012, 24, 274-281.	1.8	7
33	A flame retardant containing biomass-based polydopamine for high-performance rigid polyurethane foam. <i>New Journal of Chemistry</i> , 2022, 46, 11985-11993.	2.8	7
34	Synthesis, Characterization, and Functionalization of Hyperbranched Poly(ether ether ketone)s with Phenoxyphenyl Side Group. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 748-753.	2.2	6
35	Influence of lubricant on the properties of poly(ether ether ketone) and poly(ether ether) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.4	5
36	Polymerization of polyhedral oligomeric silsesquioxane (POSS) with perfluoro-monomers and a kinetic study. <i>RSC Advances</i> , 2017, 7, 10700-10706.	3.6	5

#	ARTICLE	IF	CITATIONS
37	POSS-based poly(aryl ether sulfone)s random terpolymer linked POSS to the main chain: effect of chemical structure and POSS content on properties. <i>Polymers for Advanced Technologies</i> , 2017, 28, 516-523.	3.2	4
38	Effect of Antioxidants on the Stability of Poly(ether ether ketone) and the Investigation on the Effect Mechanism of the Antioxidants to Poly(ether ether ketone). <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2012, 49, 571-577.	2.2	3
39	Synthesis and characterization of block and random POSS/fluorinated PAES tricopolymers. <i>Polymers for Advanced Technologies</i> , 2017, 28, 658-664.	3.2	3
40	Ultra-low dielectric constant materials with hydrophobic property: Synthesis of poly(aryl ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.8	3
41	Preparation and Properties of Polycarbonate/Polystyrene Bead Alloy via Solvent Evaporation Method. <i>ChemistrySelect</i> , 2019, 4, 13755-13759.	1.5	3
42	Preparation and Properties of Novel Crosslinked Polyphosphazene-Aromatic Ethers Organic-Inorganic Hybrid Microspheres. <i>Polymers</i> , 2022, 14, 2411.	4.5	3
43	Synthesis, pH sensitivity, and drug-release behavior of acrylic acid and polyhedral oligomeric silsesquioxane copolymer. <i>Journal of Applied Polymer Science</i> , 2013, 129, 3162-3169.	2.6	2
44	Hydrophobic properties of poly(arylene ether)s derived from linear polydimethylsiloxanes and decafluorobiphenyl. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46187.	2.6	2
45	Excellent Thermally Conducting Ni Plating Graphite Nanoplatelets/Poly(phenylene sulfone) Composites for High-Performance Electromagnetic Interference Shielding Effectiveness. <i>Polymers</i> , 2021, 13, 3493.	4.5	2
46	Crosslinked Fluorinated Poly(arylene ether)s with POSS: Synthesis and Conversion to High-Performance Polymers. <i>Polymers</i> , 2021, 13, 3489.	4.5	2
47	Improved Thermal and Electromagnetic Shielding of PEEK Composites by Hydroxylating PEK-C Grafted MWCNTs. <i>Polymers</i> , 2022, 14, 1328.	4.5	2
48	Synthesis and characterization of the B3-monomer and hyperbranched poly(aryl ether ketone)s. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2006, 1, 203-206.	0.4	1
49	Synthesis of fluorescent hyperbranched poly(aryl ether ketones) containing biphenyl units. <i>Polymer Science - Series B</i> , 2007, 49, 203-208.	0.8	1
50	Preparation of HPEEK by Oligomer A2+B3 Approach. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 742-747.	2.2	1
51	POSS-based poly(aryl ether sulfone)s random terpolymer linked POSS to the main chain: effect of chemical structure and POSS content on properties. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1211-1211.	3.2	1
52	MMA-based fast-curing repair materials suitable for low-temperature application. <i>Journal of Polymer Engineering</i> , 2022, 42, 343-350.	1.4	1