

Shu Ling Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4462525/publications.pdf>

Version: 2024-02-01

71
papers

1,633
citations

279798

23
h-index

315739

38
g-index

71
all docs

71
docs citations

71
times ranked

2097
citing authors

#	ARTICLE	IF	CITATIONS
1	Achieving structurally and functionally integrated electromagnetic shielding composites based on polyetheretherketone by sandwich structure. <i>Journal of Sandwich Structures and Materials</i> , 2022, 24, 484-502.	3.5	5
2	Transparent nanocomposites with enhanced performances from poly(propylene carbonate) and silica. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51513.	2.6	2
3	Structure-function integrated poly (aryl ether ketone)-grafted MWCNTs/poly (ether ether ketone) composites with low percolation threshold of both conductivity and electromagnetic shielding. <i>Composites Science and Technology</i> , 2022, 217, 109032.	7.8	13
4	Cover Image, Volume 139, Issue 1. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51708.	2.6	0
5	Preparation of Glass Fiber/Poly(Ether Ether Ketone) Composite Foam with Improved Compressive Strength and Heat Resistance. <i>Advanced Engineering Materials</i> , 2022, 24, .	3.5	4
6	The Molecular Mechanism of Hepatic Lipid Metabolism Disorder Caused by NaAsO ₂ through Regulating the ERK/PPAR Signaling Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-13.	4.0	7
7	Combined strategy of blending and surface modification as an effective route to prepare antifouling ultrafiltration membranes. <i>Journal of Colloid and Interface Science</i> , 2021, 589, 1-12.	9.4	32
8	Microstructural Characterization and Crack Propagation Behavior of a Novel β -Solidifying TiAl Alloy. <i>Metals</i> , 2021, 11, 1231.	2.3	2
9	Screening and Identification of Antidepressant Active Ingredients from Puerariae Radix Extract and Study on Its Mechanism. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-18.	4.0	8
10	Remarkable reinforcement effect of pore-filled semi-crystalline poly (ether ether ketone) membranes for high concentration direct methanol fuel cells. <i>Electrochimica Acta</i> , 2020, 363, 137242.	5.2	1
11	Fabrication of very effective ferroferric oxide and multiwalled carbon nanotubes@polyetherimide/poly(ether ether ketone) electromagnetic interference shielding composites. <i>Polymer Composites</i> , 2020, 41, 3135-3143.	4.6	11
12	Reinforced Poly(ether ether ketone)/Nafion Composite Membrane with Highly Improved Proton Conductivity for High Concentration Direct Methanol Fuel Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 7180-7190.	5.1	16
13	Rational Design of Antifreezing Organohydrogel Electrolytes for Flexible Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020, 3, 1944-1951.	5.1	85
14	Development of highly permeable and antifouling ultrafiltration membranes based on the synergistic effect of carboxylated polysulfone and bio-inspired co-deposition modified hydroxyapatite nanotubes. <i>Journal of Colloid and Interface Science</i> , 2020, 572, 48-61.	9.4	41
15	Strong Interface Construction of Carbon Fiber-reinforced PEEK Composites: An Efficient Method for Modifying Carbon Fiber with Crystalline PEEK. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000001.	3.9	38
16	Novel pore-filling membrane based on block sulfonated poly (ether sulphone) with enhanced proton conductivity and methanol resistance for direct methanol fuel cells. <i>Electrochimica Acta</i> , 2019, 307, 188-196.	5.2	19
17	High performance electrospun Li ⁺ -functionalized sulfonated poly(ether ether ketone)/PVA based nanocomposite gel polymer electrolyte for solid-state electric double layer capacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 672-682.	9.4	33
18	Study on mechanical properties of unidirectional continuous carbon fiber-reinforced PEEK composites fabricated by the wrapped yarn method. <i>Polymer Composites</i> , 2019, 40, 56-69.	4.6	32

#	ARTICLE	IF	CITATIONS
19	Light weight and flexible poly(ether ether ketone) based composite film with excellent thermal stability and mechanical properties for wide-band electromagnetic interference shielding. RSC Advances, 2018, 8, 3296-3303.	3.6	24
20	Poly(arylene ether)s based on platinum(η^5 -indenyl) acetylide complexes: synthesis and photophysical and nonlinear absorption properties. Journal of Materials Chemistry C, 2018, 6, 7317-7325.	5.5	14
21	Preparation of organic-inorganic hybrid membranes with superior antifouling property by incorporating polymer-modified multiwall carbon nanotubes. RSC Advances, 2017, 7, 30564-30572.	3.6	16
22	Hybrid formation of graphene oxide-POSS and their effect on the dielectric properties of poly(aryl ether ketone) composites. RSC Advances, 2017, 7, 30573-30583.	2.8	33
23	Covalent functionalization of graphene oxide with porphyrin and porphyrin incorporated polymers for optical limiting. Physical Chemistry Chemical Physics, 2017, 19, 2252-2260.	2.8	63
24	Preparation and characterization of hyperbranched poly(ether sulfone) and its application as a coating additive for linear poly(ether sulfone). Journal of Applied Polymer Science, 2016, 133, .	2.6	20
25	A flexible solid-state supercapacitor based on a poly(aryl ether ketone)-poly(ethylene glycol) copolymer solid polymer electrolyte for high temperature applications. RSC Advances, 2016, 6, 65186-65195.	3.6	40
26	Porphyrin-poly(arylene ether sulfone) covalently functionalized multi-walled carbon nanotubes: synthesis and enhanced broadband nonlinear optical properties. RSC Advances, 2016, 6, 75530-75540.	3.6	15
27	Design and preparation of silica tube/poly(aryl ether ketone) composites with low dielectric constant. RSC Advances, 2016, 6, 72999-73005.	3.6	5
28	High fluorescence intensity poly(aryl ether ketone)s containing tetraphenylethylene moieties: preparation, characterization and fluorescent properties. RSC Advances, 2016, 6, 84133-84138.	3.6	0
29	A novel poly(ethylene glycol)-grafted poly(arylene ether ketone) blend micro-porous polymer electrolyte for solid-state electric double layer capacitors formed by incorporating a chitosan-based LiClO ₄ gel electrolyte. Journal of Materials Chemistry A, 2016, 4, 18116-18127.	10.3	60
30	The influence of different length of symmetrical alkyl side chains on the dielectric constant of soluble poly(aryl ether ketone) copolymers. High Performance Polymers, 2016, 28, 492-501.	1.8	3
31	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
32	Poly(arylene ether ketone)s with pendant porphyrins: synthesis and investigation on optical limiting properties. RSC Advances, 2015, 5, 48311-48322.	3.6	15
33	High-performance conductive materials based on the selective location of carbon black in poly(ether ether ketone) composites. RSC Advances, 2015, 5, 12014-12024.	12.0	33
34	Enhanced electrical properties by tuning the phase morphology of multiwalled carbon nanotube-filled poly(ether ether ketone)/polyimide composites. Polymer International, 2015, 64, 828-832.	3.1	7
35	Novel nanocellular poly(aryl ether ketone) foams fabricated by controlling the crosslinking degree. RSC Advances, 2015, 5, 51966-51974.	3.6	7
36	Synthesis and characterization of novel adamantane-based copoly(aryl ether ketone)s with low dielectric constants. Polymer International, 2014, 63, 333-337.	3.1	22

#	ARTICLE	IF	CITATIONS
37	Design and preparation of graphene/poly(ether ether ketone) composites with excellent electrical conductivity. <i>Journal of Materials Science</i> , 2014, 49, 2372-2382.	3.7	47
38	Synthesis and gas transport properties of novel poly(aryl ether ketone)s with branched structure. <i>Polymer International</i> , 2014, 63, 718-721.	3.1	3
39	Synthesis of poly(ether ether ketone)-block-polyimide copolymer and its compatibilization for poly(ether ether ketone)/thermoplastic polyimide blends. <i>Polymer</i> , 2014, 55, 119-125.	3.8	32
40	Multi-walled carbon nanotube induced co-continuity of poly(ether ether ketone)/polyimide blends for high performance conductive materials. <i>RSC Advances</i> , 2014, 4, 42175-42182.	3.6	23
41	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
42	Synthesis and optical properties of poly(aryl ether ketone)s incorporating porphyrins in the backbones. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1282-1290.	2.3	17
43	Preparation and Characterization of high-strength poly(ether ether ketone) films. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	5
44	Synergistic effects of functionalized graphene and functionalized multi-walled carbon nanotubes on the electrical and mechanical properties of poly(ether sulfone) composites. <i>European Polymer Journal</i> , 2013, 49, 3125-3134.	5.4	82
45	Synthesis of branched sulfonated poly(aryl ether ketone) copolymers and their proton exchange membrane properties. <i>Journal of Membrane Science</i> , 2013, 444, 259-267.	8.2	30
46	Preparation of stable spherical micelles with rigid backbones based on polyaryletherketone copolymers containing lateral pyridyl groups. <i>Materials Chemistry and Physics</i> , 2013, 140, 583-587.	4.0	0
47	Preparation and characterization of high-performance poly(ether ether ketone) fibers with improved spinnability based on thermotropic liquid crystalline poly(aryl ether ketone) copolymer. <i>Journal of Applied Polymer Science</i> , 2013, 130, 1406-1414.	2.6	13
48	Synthesis and preparation of sulfonated hyperbranched poly(aryl ether ketone)-sulfonated linear poly(aryl ether ketone) blend membranes for proton exchange membranes. <i>High Performance Polymers</i> , 2013, 25, 759-768.	1.8	11
49	Influence of the addition of lubricant on the properties of poly(ether ether ketone) fibers. <i>Polymer Engineering and Science</i> , 2013, 53, 2254-2260.	3.1	14
50	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
51	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
52	Development of an efficient route to hyperbranched poly(aryl ether ketone)s. <i>High Performance Polymers</i> , 2012, 24, 188-193.	1.8	4
53	Ultra low dielectric constant hybrid films via side chain grafting reaction of poly(ether ether ketone) and phosphotungstic acid. <i>Journal of Materials Chemistry</i> , 2012, 22, 23534.	6.7	26
54	A material with high electromagnetic radiation shielding effectiveness fabricated using multi-walled carbon nanotubes wrapped with poly(ether sulfone) in a poly(ether ether ketone) matrix. <i>Journal of Materials Chemistry</i> , 2012, 22, 21232.	6.7	94

#	ARTICLE	IF	CITATIONS
55	Material with high dielectric constant, low dielectric loss, and good mechanical and thermal properties produced using multi-wall carbon nanotubes wrapped with poly(ether sulphone) in a poly(ether ether ketone) matrix. Applied Physics Letters, 2012, 101, 012904.	3.3	28
56	Preparation of Hollow/Porous Polymeric Microspheres based on OH-HPEEK and PVA. Materials Letters, 2012, 74, 85-88.	2.6	7
57	Study on Thermoplastic Elastomers (TPEs) of Waste Polypropylene/Waste Ground Rubber Tire Powder. Journal of Macromolecular Science - Physics, 2011, 50, 762-768.	1.0	10
58	Preparation and properties of poly(ether ether ketone) composites reinforced by modified wollastonite grafting with silaneterminated poly(ether ether ketone) oligomers. Journal of Polymer Research, 2011, 18, 2045-2053.	2.4	11
59	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
60	Effect of the addition of silane coupling agents on the properties of wollastonite reinforced poly(ether ether ketone) composites. Polymer Engineering and Science, 2011, 51, 1051-1058.	3.1	20
61	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
62	Preparation and characterization of poly(aryl ether ketone)s with pyridyl groups on the side chains. High Performance Polymers, 2011, 23, 620-624.	1.8	6
63	Effect of carbon nanotubes on the mechanical properties and crystallization behavior of poly(ether) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	7.8	119
64	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. Macromolecular Research, 2010, 18, 331-335.	2.4	7
65	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
66	A novel photoactive hyperbranched poly(aryl ether ketone) with azobenzene end groups for optical storage applications. Reactive and Functional Polymers, 2010, 70, 699-705.	4.1	23
67	Facile synthesis and characterization of hyperbranched poly(aryl ether ketone)s obtained via an A ₂ + B ₂ approach. Polymer International, 2010, 59, 1360-1366.	3.1	67
68	Preparation and nonlinear optical characterization of a novel hyperbranched poly(aryl ether ketone) end-functionalized with nickel phthalocyanine. Dyes and Pigments, 2008, 79, 217-223.	3.7	25
69	Influence of third component on mechanical properties and thermal stability of polypropylene/(regenerated polyurethane) blends. Journal of Vinyl and Additive Technology, 2008, 14, 55-59.	3.4	4
70	Influence of regenerated polyurethane on the mechanical properties and thermal stability of polypropylene during multiple processing cycles. Journal of Vinyl and Additive Technology, 2008, 14, 34-38.	3.4	3
71	Synthesis and characterization of thermotropic liquid crystalline poly(aryl ether ketone) copolymers with pendant 3-(trifluoromethyl) phenyl groups. Polymer International, 2006, 55, 657-661.	3.1	18