

# Zhiping Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

701  
citations

623734

14  
h-index

552781

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

761  
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	Rational Design of Antifreezing Organohydrogel Electrolytes for Flexible Supercapacitors. ACS Applied Energy Materials, 2020, 3, 1944-1951.	5.1	85
3	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 <sub>4</sub> gel electrolyte. Journal of Materials Chemistry A, 2016, 4, 18116-18127.	10.3	60
4	Design and preparation of graphene/poly(ether ether ketone) composites with excellent electrical conductivity. Journal of Materials Science, 2014, 49, 2372-2382.	3.7	47
5	Development of highly permeable and antifouling ultrafiltration membranes based on the synergistic effect of carboxylated polysulfone and bio-inspired co-deposition modified hydroxyapatite nanotubes. Journal of Colloid and Interface Science, 2020, 572, 48-61.	9.4	41
6	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
7	Strong Interface Construction of Carbon Fiber-reinforced PEEK Composites: An Efficient Method for Modifying Carbon Fiber with Crystalline PEEK. Macromolecular Rapid Communications, 2020, 41, e2000001.	3.9	38
8	Study on mechanical properties of unidirectional continuous carbon fiber-reinforced PEEK composites fabricated by the wrapped yarn method. Polymer Composites, 2019, 40, 56-69.	4.6	32
9	Combined strategy of blending and surface modification as an effective route to prepare antifouling ultrafiltration membranes. Journal of Colloid and Interface Science, 2021, 589, 1-12.	9.4	32
10	Ultra low dielectric constant hybrid films via side chain grafting reaction of poly(ether ether ketone) and phosphotungstic acid. Journal of Materials Chemistry, 2012, 22, 23534.	6.7	26
11	Preparation of a novel poly(ether ether ketone) nonwoven filter and its application in harsh conditions for dust removal. Separation and Purification Technology, 2020, 253, 117555.	7.9	26
12	A highly compressible hydrogel electrolyte for flexible Zn-MnO <sub>2</sub> battery. Journal of Colloid and Interface Science, 2022, 608, 1619-1626.	9.4	24
13	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
14	An oil/water separation nanofibrous membrane with a 3-D structure from the blending of PES and SPEEK. High Performance Polymers, 2019, 31, 538-547.	1.8	22
15	Reinforced Poly(ether ether ketone)/Nafion Composite Membrane with Highly Improved Proton Conductivity for High Concentration Direct Methanol Fuel Cells. ACS Applied Energy Materials, 2020, 3, 7180-7190.	5.1	16
16	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
17	Influence of the addition of lubricant on the properties of poly(ether ether ketone) fibers. Polymer Engineering and Science, 2013, 53, 2254-2260.	3.1	14
18	Preparation and characterization of high-performance poly(ether ether ketone) fibers with improved spinnability based on thermotropic liquid crystalline poly(aryl ether ketone) copolymer. Journal of Applied Polymer Science, 2013, 130, 1406-1414.	2.6	13

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19	A Robust Conductive Polymer Network as a Multi-Functional Binder and Conductive Additive for Supercapacitors. <i>ChemElectroChem</i> , 2020, 7, 3056-3064.	3.4	12
20	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
21	ZnO Nanoneedle-Modified PEEK Fiber Felt for Improving Anti-fouling Performance of Oil/Water Separation. <i>Langmuir</i> , 2021, 37, 7449-7456.	3.5	10
22	A rapid and highly sensitive evaluation of polymer composite aging with linear correlation to real-time aging. <i>Analytica Chimica Acta</i> , 2021, 1169, 338632.	5.4	9
23	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
24	Photoantioxidant versus photodegradant: Action of nanoparticle inorganic fillers in outdoor aging of <i>PP</i> . <i>Journal of Vinyl and Additive Technology</i> , 2022, 28, 405-417.	3.4	4
25	Preparation of a novel poly(ether ether ketone) self-reinforced paper appropriate for harsh conditions. <i>Journal of Materials Science</i> , 2021, 56, 11174-11185.	3.7	3
26	Influence of selective solvents on self-assembly behaviors of amphiphilic hyperbranched poly(aryl ether ketone)s. <i>Journal of Applied Polymer Science</i> , 2017, 29, 257-265.	1.8	1
27	High fluorescence intensity poly(aryl ether ketone)s containing tetraphenylethylene moieties: preparation, characterization and fluorescent properties. <i>RSC Advances</i> , 2016, 6, 84133-84138.	3.6	0
28	Fabrication of High Thermally Conductive and Electrical Insulating Composites by Boron Nitride@Nanosheet-Coated PEEK Fiber. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100532.	3.6	0