

# Zheng Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

2,300  
citations

279798

23  
h-index

214800

47  
g-index

48  
all docs

48  
docs citations

48  
times ranked

3589  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochromic and photovoltaic properties of benzothiadiazole-based donor-acceptor conjugated polymers with oligo(ethylene glycol) side chains. <i>Dyes and Pigments</i> , 2022, 204, 110432.	3.7	14
2	Carbazole-Functionalized Poly(phenyl isocyanide)s: Synergistic Electrochromic Behaviors in the Visible Light Near-Infrared Region. <i>Macromolecules</i> , 2021, 54, 5249-5259.	4.8	16
3	The effect of constructing discontinuous side chain D-A structure on high-performance poly (ether) Tj ETQq1 1 0.784314 rgBJ /Overlo	3.7	7
4	Polymeric optoelectronic materials with low-voltage colorless-to-black electrochromic and AIE-activity electrofluorochromic dual-switching properties. <i>Dyes and Pigments</i> , 2020, 181, 108499.	3.7	25
5	Enhancing Charge Transport of 2D Perovskite Passivation Agent for Wide-Bandgap Perovskite Solar Cells Beyond 21%. <i>Solar Rrl</i> , 2020, 4, 2070065.	5.8	2
6	Enhancing Charge Transport of 2D Perovskite Passivation Agent for Wide-Bandgap Perovskite Solar Cells Beyond 21%. <i>Solar Rrl</i> , 2020, 4, 2000082.	5.8	79
7	Design Rules for Improving the Cycling Stability of High-Performance Donor-Acceptor-Type Electrochromic Polymers. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 7529-7538.	8.0	26
8	A high-performance anion exchange membrane based on poly(arylene ether sulfone) with a high concentration of quaternization units. <i>Journal of Membrane Science</i> , 2019, 589, 117266.	8.2	27
9	Synthesis and properties of novel poly(arylene ether)s with densely sulfonated units based on carbazole derivative. <i>Journal of Membrane Science</i> , 2019, 589, 117230.	8.2	27
10	Aryl-Perfluoroaryl Interaction in Two-Dimensional Organic-Inorganic Hybrid Perovskites Boosts Stability and Photovoltaic Efficiency. , 2019, 1, 171-176.		63
11	Synthetic control over orientational degeneracy of spacer cations enhances solar cell efficiency in two-dimensional perovskites. <i>Nature Communications</i> , 2019, 10, 1276.	12.8	222
12	Sequential Deposition of Organic Films with Eco-Compatible Solvents Improves Performance and Enables Over 12% Efficiency Nonfullerene Solar Cells. <i>Advanced Materials</i> , 2019, 31, e1808153.	21.0	132
13	Green-Solvent-Processed Conjugated Polymers for Organic Solar Cells: The Impact of Oligoethylene Glycol Side Chains. <i>ACS Applied Polymer Materials</i> , 2019, 1, 804-814.	4.4	39
14	High Dimensional Stability and Alcohol Resistance Aromatic Poly(aryl ether ketone) Polyelectrolyte Membrane Synthesis and Characterization. <i>ACS Applied Energy Materials</i> , 2019, 2, 1646-1656.	5.1	31
15	Poly(aryl amino ketone)-based materials with excellent electrochromic and electrofluorochromic behaviors. <i>Dyes and Pigments</i> , 2019, 163, 40-47.	3.7	18
16	Effectively improving the performance of MWNT/PEEK composite by choosing PAK-Cz as the solubilizer. <i>High Performance Polymers</i> , 2019, 31, 875-884.	1.8	4
17	Resistive memory devices based on novel functionalized poly(aryl ether)s with pendant azobenzene. <i>High Performance Polymers</i> , 2019, 31, 273-281.	1.8	1
18	Effect of Various Oxidants on Reaction Mechanisms, Self-Limiting Natures and Structural Characteristics of Al <sub>2</sub> O <sub>3</sub> Films Grown by Atomic Layer Deposition. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701248.	3.7	26

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19	Novel soluble carbazole-based poly(aryl ethers): Preparation, properties, and application for dispersing multiwalled carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46250.	2.6	2
20	Nonvolatile resistive memories utilizing functional PES-based supramolecular film. <i>High Performance Polymers</i> , 2018, 30, 1056-1063.	1.8	1
21	Highly proton conducting proton-exchange membranes based on fluorinated poly(arylene ether) Tj ETQq1 1 0.784314 rgBT /Overlo	2.3	22
22	Atomic Layer Deposition: Effect of Various Oxidants on Reaction Mechanisms, Self-Limiting Natures and Structural Characteristics of Al <sub>2</sub> O <sub>3</sub> Films Grown by Atomic Layer Deposition ( <i>Adv. Mater. Interfaces</i> 14/2018). <i>Advanced Materials Interfaces</i> , 2018, 5, 1870070.	3.7	9
23	Synthesis and characterization of poly(arylene ether ketone)s with 3,6-diphenyl-9 <i>H</i> -carbazole pendants using C-N coupling reaction. <i>High Performance Polymers</i> , 2017, 29, 575-584.	1.8	3
24	Low-temperature remote plasma enhanced atomic layer deposition of ZrO <sub>2</sub> /zirconium nanolaminate film for efficient encapsulation of flexible organic light-emitting diodes. <i>Scientific Reports</i> , 2017, 7, 40061.	3.3	47
25	The Cut-Off Phenomenon Effect on ZrO <sub>2</sub> Growth Using Remote Plasma-Enhanced Atomic Layer Deposition. <i>Journal of Physical Chemistry C</i> , 2017, 121, 4714-4719.	3.1	2
26	Rice husk-based hierarchically porous carbon and magnetic particles composites for highly efficient electromagnetic wave attenuation. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4695-4705.	5.5	152
27	A wormhole-like porous carbon/magnetic particles composite as an efficient broadband electromagnetic wave absorber. <i>Nanoscale</i> , 2016, 8, 8899-8909.	5.6	310
28	New comb-shaped ionomers based on hydrophobic poly(aryl ether ketone) backbone bearing hydrophilic high concentration sulfonated micro-cluster. <i>Polymer</i> , 2016, 96, 188-197.	3.8	27
29	Synthesis and properties of perfluorocarbon chain terminated poly(ether sulfone). <i>RSC Advances</i> , 2016, 6, 93539-93545.	3.6	1
30	A MWCNT-nanoparticle composite as a highly efficient lightweight electromagnetic wave absorber in the range of 4-18 GHz. <i>RSC Advances</i> , 2016, 6, 4695-4704.	3.6	16
31	Synthesis and properties of sulfonated poly(arylene ether ketone sulfone) copolymer. <i>High Performance Polymers</i> , 2016, 28, 315-321.	1.8	17
32	Direct synthesis of triphenylamine-containing polyarylsulfones from commercially available aniline. <i>High Performance Polymers</i> , 2016, 28, 868-878.	1.8	1
33	A carbon fiber based three-phase heterostructure composite CF/Co <sub>0.2</sub> Fe <sub>2.8</sub> O <sub>4</sub> /PANi as an efficient electromagnetic wave absorber in the K <sub>u</sub> band. <i>RSC Advances</i> , 2015, 5, 50024-50032.	3.6	36
34	Novel nanocellular poly(aryl ether ketone) foams fabricated by controlling the crosslinking degree. <i>RSC Advances</i> , 2015, 5, 51966-51974.	3.6	7
35	Synthesis and characterization of novel high-performance polyarylsulfones with 4-(carbazol-9-yl) triphenylamine moieties. <i>High Performance Polymers</i> , 2015, 27, 1007-1015.	1.8	4
36	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

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37	Novel ternary Fe <sub>3</sub> O <sub>4</sub> @polyaniline/polyazomethine/polyetheretherketone crosslinked hybrid membranes: fabrication, thermal properties and electromagnetic behaviours. RSC Advances, 2014, 4, 11159.	3.6	18
38	Fluorinated Benzothiadiazole-Based Conjugated Polymers for High-Performance Polymer Solar Cells without Any Processing Additives or Post-treatments. Journal of the American Chemical Society, 2013, 135, 17060-17068.	13.7	327
39	New promising hybrid materials for electromagnetic interference shielding with improved stability and mechanical properties. Physical Chemistry Chemical Physics, 2013, 15, 21043.	2.8	34
40	Synthesis of conjugated diblock copolymers: two mechanistically distinct, sequential living polymerizations using a single catalyst. Polymer Chemistry, 2012, 3, 874.	3.9	42
41	Polythiophene- <i>b</i> -poly( <sup>β</sup> -benzyl L-glutamate): synthesis and study of a new rod-rod block copolymer. Polymer Chemistry, 2011, 2, 300-302.	3.9	53
42	Synthesis of main-chain poly(carbazole)s via CuAAC. Journal of Polymer Science Part A, 2011, 49, 1421-1426.	2.3	21
43	Synthesis and characterization of polyketones containing pendant carbazoles. Polymer, 2011, 52, 1731-1737.	3.8	14
44	Effect of carbon nanotubes on the mechanical properties and crystallization behavior of poly(ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	7.8	119
45	Synthesis and characterization of poly(ether sulfone)- <i>g</i> -polydimethylsiloxane copolymers. Journal of Applied Polymer Science, 2010, 118, 2434-2441.	2.6	6
46	Synthesis of Poly(3-alkylthiophene)- <i>b</i> -poly(arylisocyanide): Two Sequential, Mechanistically Distinct Polymerizations Using a Single Catalyst. Journal of the American Chemical Society, 2010, 132, 14000-14001.	13.7	103
47	Olefin Metathesis Catalysts Containing Acyclic Diaminocarbenes. Organometallics, 2010, 29, 250-256.	2.3	61