# Zheng Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5061186/publications.pdf

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 | 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 |
| 2 | A wormhole-like porous carbon/magnetic particles composite as an efficient broadband electromagnetic wave absorber. Nanoscale, 2016, 8, 8899-8909. | 5.6 | 310 |
| 3 | Synthetic control over orientational degeneracy of spacer cations enhances solar cell efficiency in two-dimensional perovskites. Nature Communications, 2019, 10, 1276. | 12.8 | 222 |
| 4 | Rice husk-based hierarchically porous carbon and magnetic particles composites for highly efficient electromagnetic wave attenuation. Journal of Materials Chemistry C, 2017, 5, 4695-4705. | 5.5 | 152 |
| 5 | Sequential Deposition of Organic Films with Ecoâ€Compatible Solvents Improves Performance and Enables Over 12%â€Efficiency Nonfullerene Solar Cells. Advanced Materials, 2019, 31, e1808153. | 21.0 | 132 |
| 6 | 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 |
| 7 | Synthesis of Poly(3-alkylthiophene)-block-poly(arylisocyanide): Two Sequential, Mechanistically Distinct Polymerizations Using a Single Catalyst. Journal of the American Chemical Society, 2010, 132, 14000-14001. | 13.7 | 103 |
| 8 | Enhancing Charge Transport of 2D Perovskite Passivation Agent for Wideâ€Bandgap Perovskite Solar Cells Beyond 21%. Solar Rrl, 2020, 4, 2000082. | 5.8 | 79 |
| 9 | Aryl-Perfluoroaryl Interaction in Two-Dimensional Organicâ€“Inorganic Hybrid Perovskites Boosts Stability and Photovoltaic Efficiency. , 2019, 1, 171-176. | | 63 |
| 10 | Olefin Metathesis Catalysts Containing Acyclic Diaminocarbenes. Organometallics, 2010, 29, 250-256. | 2.3 | 61 |
| 11 | Polythiopheneâ€“blockâ€“poly(Î³-benzyl L-glutamate): synthesis and study of a new rodâ€“rod block copolymer. Polymer Chemistry, 2011, 2, 300-302. | 3.9 | 53 |
| 12 | 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 |
| 13 | Low-temperature remote plasma enhanced atomic layer deposition of ZrO2/zircone nanolaminate film for efficient encapsulation of flexible organic light-emitting diodes. Scientific Reports, 2017, 7, 40061. | 3.3 | 47 |
| 14 | Synthesis of conjugated diblock copolymers: two mechanistically distinct, sequential living polymerizations using a single catalyst. Polymer Chemistry, 2012, 3, 874. | 3.9 | 42 |
| 15 | Green-Solvent-Processed Conjugated Polymers for Organic Solar Cells: The Impact of Oligoethylene Glycol Side Chains. ACS Applied Polymer Materials, 2019, 1, 804-814. | 4.4 | 39 |
| 16 | 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. RSC Advances, 2015, 5, 50024-50032. | 3.6 | 36 |
| 17 | New promising hybrid materials for electromagnetic interference shielding with improved stability and mechanical properties. Physical Chemistry Chemical Physics, 2013, 15, 21043. | 2.8 | 34 |
| 18 | High Dimensional Stability and Alcohol Resistance Aromatic Poly(aryl ether ketone) Polyelectrolyte Membrane Synthesis and Characterization. ACS Applied Energy Materials, 2019, 2, 1646-1656. | 5.1 | 31 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | New comb-shaped ionomers based on hydrophobic poly(aryl ether ketone) backbone bearing hydrophilic high concentration sulfonated micro-cluster. Polymer, 2016, 96, 188-197. | 3.8 | 27 |
| 20 | A high-performance anion exchange membrane based on poly(arylene ether sulfone) with a high concentration of quaternization units. Journal of Membrane Science, 2019, 589, 117266. | 8.2 | 27 |
| 21 | Synthesis and properties of novel poly(arylene ether)s with densely sulfonated units based on carbazole derivative. Journal of Membrane Science, 2019, 589, 117230. | 8.2 | 27 |
| 22 | Effect of Various Oxidants on Reaction Mechanisms, Selfâ€Limiting Natures and Structural Characteristics of Al<sub>2</sub>O<sub>3</sub> Films Grown by Atomic Layer Deposition. Advanced Materials Interfaces, 2018, 5, 1701248. | 3.7 | 26 |
| 23 | Design Rules for Improving the Cycling Stability of High-Performance Donorâ€“Acceptor-Type Electrochromic Polymers. ACS Applied Materials & Interfaces, 2020, 12, 7529-7538. | 8.0 | 26 |
| 24 | Polymeric optoelectronic materials with low-voltage colorless-to-black electrochromic and AIE-activity electrofluorochromic dual-switching properties. Dyes and Pigments, 2020, 181, 108499. | 3.7 | 25 |
| 25 | Highly proton conducting protonâ€exchange membranes based on fluorinated poly(arylene ether) Tj ETQq1 1 0.784314 rgBT /Overlo | 2.3 | 22 |
| 26 | Synthesis of mainâ€chain poly(carbazole)s via CuAAC. Journal of Polymer Science Part A, 2011, 49, 1421-1426. | 2.3 | 21 |
| 27 | Novel ternary Fe3O4@polyaniline/polyazomethine/polyetheretherketone crosslinked hybrid membranes: fabrication, thermal properties and electromagnetic behaviours. RSC Advances, 2014, 4, 11159. | 3.6 | 18 |
| 28 | Poly(aryl amino ketone)-based materials with excellent electrochromic and electrofluorochromic behaviors. Dyes and Pigments, 2019, 163, 40-47. | 3.7 | 18 |
| 29 | Synthesis and properties of sulfonated poly(arylene ether ketone sulfone) copolymer. High Performance Polymers, 2016, 28, 315-321. | 1.8 | 17 |
| 30 | A MWCNTâ€“nanoparticle composite as a highly efficient lightweight electromagnetic wave absorber in the range of 4â€“18 GHz. RSC Advances, 2016, 6, 4695-4704. | 3.6 | 16 |
| 31 | Carbazole-Functionalized Poly(phenyl isocyanide)s: Synergistic Electrochromic Behaviors in the Visible Light Near-Infrared Region. Macromolecules, 2021, 54, 5249-5259. | 4.8 | 16 |
| 32 | Synthesis and characterization of polyketones containing pendant carbazoles. Polymer, 2011, 52, 1731-1737. | 3.8 | 14 |
| 33 | Electrochromic and photovoltaic properties of benzothiadiazole-based donor-acceptor conjugated polymers with oligo(ethylene glycol) side chains. Dyes and Pigments, 2022, 204, 110432. | 3.7 | 14 |
| 34 | Atomic Layer Deposition: Effect of Various Oxidants on Reaction Mechanisms, Selfâ€Limiting Natures and Structural Characteristics of Al<sub>2</sub>O<sub>3</sub> Films Grown by Atomic Layer Deposition (Adv. Mater. Interfaces 14/2018). Advanced Materials Interfaces, 2018, 5, 1870070. | 3.7 | 9 |
| 35 | Novel nanocellular poly(aryl ether ketone) foams fabricated by controlling the crosslinking degree. RSC Advances, 2015, 5, 51966-51974. | 3.6 | 7 |
| 36 | The effect of constructing discontinuous side chain D-A structure on high-performance poly (ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 3.7 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Synthesis and characterization of poly(ether sulfone)â€graftâ€polydimethylsiloxane copolymers. Journal of Applied Polymer Science, 2010, 118, 2434-2441. | 2.6 | 6 |
| 38 | Synthesis and characterization of novel high-performance polyarylsulfones with 4-(carbazol-9-yl) triphenylamine moieties. High Performance Polymers, 2015, 27, 1007-1015. | 1.8 | 4 |
| 39 | Effectively improving the performance of MWNT/PEEK composite by choosing PAK-Cz as the solubilizer. High Performance Polymers, 2019, 31, 875-884. | 1.8 | 4 |
| 40 | Synthesis and characterization of poly(arylene ether ketone)s with 3,6-diphenyl-9H-carbazole pendants using Câ€“N coupling reaction. High Performance Polymers, 2017, 29, 575-584. | 1.8 | 3 |
| 41 | The Cut-Off Phenomenon Effect on ZrO<sub>2</sub> Growth Using Remote Plasma-Enhanced Atomic Layer Deposition. Journal of Physical Chemistry C, 2017, 121, 4714-4719. | 3.1 | 2 |
| 42 | Novel soluble carbazoleâ€based poly(aryl ethers): Preparation, properties, and application for dispersing multiwalled carbon nanotubes. Journal of Applied Polymer Science, 2018, 135, 46250. | 2.6 | 2 |
| 43 | Enhancing Charge Transport of 2D Perovskite Passivation Agent for Wideâ€Bandgap Perovskite Solar Cells Beyond 21%. Solar Rrl, 2020, 4, 2070065. | 5.8 | 2 |
| 44 | Synthesis and properties of perfluorocarbon chain terminated poly(ether sulfone). RSC Advances, 2016, 6, 93539-93545. | 3.6 | 1 |
| 45 | Direct synthesis of triphenylamine-containing polyarylsulfones from commercially available aniline. High Performance Polymers, 2016, 28, 868-878. | 1.8 | 1 |
| 46 | Nonvolatile resistive memories utilizing functional PES-based supramolecular film. High Performance Polymers, 2018, 30, 1056-1063. | 1.8 | 1 |
| 47 | Resistive memory devices based on novel functionalized poly(aryl ether)s with pendant azobenzene. High Performance Polymers, 2019, 31, 273-281. | 1.8 | 1 |