

# Mengzhu Liu

## List of Publications by Year in descending order

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28  
papers

531  
citations

933447

10  
h-index

642732

23  
g-index

28  
all docs

28  
docs citations

28  
times ranked

755  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Synthesis, Characterization, and Swelling Behaviors of Salt-Sensitive Maize Bran Poly(acrylic acid) Superabsorbent Hydrogel. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 8867-8874.  | 5.2 | 177       |
| 2  | Effect of Calcite, Kaolinite, Gypsum, and Montmorillonite on Huadian Oil Shale Kerogen Pyrolysis. <i>Energy &amp; Fuels</i> , 2014, 28, 1860-1867.   | 5.1 | 91        |
| 3  | Pyrolysis kinetics of spent lark mushroom substrate and characterization of bio-oil obtained from the substrate. <i>Energy Conversion and Management</i> , 2014, 88, 259-266.  | 9.2 | 26        |
| 4  | Preparation and characterization of TiO <sub>2</sub> nanofibers via using polylactic acid as template. <i>Journal of Applied Polymer Science</i> , 2013, 128, 1095-1100.   | 2.6 | 25        |
| 5  | Electrospun Mn <sub>2</sub> O <sub>3</sub> nanowrinkles and Mn <sub>3</sub> O <sub>4</sub> nanorods: Morphology and catalytic application. <i>Applied Surface Science</i> , 2014, 313, 360-367.  | 6.1 | 24        |
| 6  | A biodegradable core-sheath nanofibrous 3D hierarchy prepared by emulsion electrospinning for sustained drug release. <i>Journal of Materials Science</i> , 2020, 55, 16730-16743.   | 3.7 | 19        |
| 7  | Synthesis and properties of a novel superabsorbent polymer composite from microwave irradiated waste material cultured <i>Auricularia auricula</i> and poly (acrylic acid-co-acrylamide). <i>Journal of Applied Polymer Science</i> , 2013, 130, 3674-3681.                      | 2.6 | 18        |
| 8  | Preparation and characterization of multilayer NiO nano-products via electrospinning. <i>Applied Surface Science</i> , 2013, 284, 453-458.   | 6.1 | 16        |
| 9  | Pyrene-functionalized PAEKs prepared from C-H borylation and Suzuki coupling reactions for the dispersion of single-walled carbon nanotubes. <i>Composites Science and Technology</i> , 2017, 143, 82-88.  | 7.8 | 15        |
| 10 | Sensitive and selective non-enzymatic glucose detection using electrospun porous CuO-CdO composite nanofibers. <i>Journal of Materials Science</i> , 2019, 54, 3354-3367.  | 3.7 | 15        |
| 11 | Electrospun carboxylic-functionalized poly(arylene ether ketone) ultrafine fibers. <i>High Performance Polymers</i> , 2015, 27, 939-949.   | 1.8 | 11        |
| 12 | Optimization and investigation of the governing parameters in electrospinning the home-made poly( $\epsilon$ -CLactide-co- $\epsilon$ -Caprolactone-diol). <i>Journal of Applied Polymer Science</i> , 2013, 130, 3600-3610.   | 2.6 | 10        |
| 13 | Function of NaOH hydrolysis in electrospinning ZnO nanofibers via using polylactide as templates. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014, 187, 89-95.  | 3.5 | 10        |
| 14 | Aluminium borate whiskers grafted with boric acid containing poly(ether ether ketone) as a reinforcing agent for the preparation of poly(ether ether ketone) composites. <i>RSC Advances</i> , 2015, 5, 100856-100864.   | 3.6 | 10        |
| 15 | Self-cleaning and Oil/Water Separation of 3D Network Super-hydrophobic Bead-like Fluorinated Silica Pellets/Poly(aryl ether ketone) Composite Membrane Fabricated via a Facile One-step Electrospinning. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 1320-1325. | 2.6 | 8         |
| 16 | Synthesis and properties of a superabsorbent from an ultraviolet-irradiated waste nameko mushroom substrate and poly(acrylic acid). <i>Journal of Applied Polymer Science</i> , 2014, 131, .   | 2.6 | 7         |
| 17 | Electrospun dendritic ZnO nanofibers and its photocatalysis application. <i>Journal of Applied Polymer Science</i> , 2015, 132, .  | 2.6 | 7         |
| 18 | A non-enzymatic glucose sensor based on electrospun 3-D copper oxide micro-nanofiber network films using carboxylic-functionalized poly(arylene ether ketone)s as templates. <i>RSC Advances</i> , 2019, 9, 6613-6619.   | 3.6 | 7         |

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|----|---|-----|-----------|
| 19 | Controlled stimulationâ€burst targeted release by pHâ€sensitive HPMCAS/theophylline composite nanofibers fabricated through electrospinning. Journal of Applied Polymer Science, 2020, 137, 48383.                          | 2.6 | 6         |
| 20 | The performances of modified single-walled carbon nanotubes/poly(ether ether ketone) composites prepared by solution blending and melt blending. High Performance Polymers, 2020, 32, 276-285.                              | 1.8 | 5         |
| 21 | Electrospun porous hybrid CuO/CdO nanofibers using carboxylic-functionalized poly(arylene ether) Tj ETQq1 1 0.784314 rgBT /Overl  | 1.8 | 4         |
| 22 | 3D network super-hydrophobic hexafluorobisphenol A poly(aryl ether ketone) membrane prepared by one-step electrospaying. High Performance Polymers, 2020, 32, 1094-1101.  | 1.8 | 4         |
| 23 | Construction of OH-functionalized MWCNT/solid waste composites with tubular/spherical heterostructures for enhanced electromagnetic wave absorption property. RSC Advances, 2022, 12, 16003-16013.                          | 3.6 | 4         |
| 24 | High-effective preparation of ultrafine poly-(lactide-co-ε-caprolactone-diOH) fibers containing silver nanoparticles. High Performance Polymers, 2014, 26, 483-487.   | 1.8 | 3         |
| 25 | Synthesis and properties of a novel poly(aryl ether sulfone) functionalized with pinacol phenylboronate pendants. High Performance Polymers, 2014, 26, 408-412.   | 1.8 | 3         |
| 26 | The mechanical and frictional properties of poly(ether ether ketone) composites with modified aluminum borate whiskers. High Performance Polymers, 2018, 30, 1048-1055.   | 1.8 | 3         |
| 27 | Nanocontrollers for In Vitro Drug Release Based on Coreâ€Sheath Encapsulation of Theophylline into Hydroxypropyl Methylcellulose Acetate Succinate Nanofibers. Journal of Vinyl and Additive Technology, 2020, 26, 566-576. | 3.4 | 2         |
| 28 | Preparation and properties of novel boric acid modified poly(aryl ether sulfone) membranes. Journal of Applied Polymer Science, 2014, 131, .  | 2.6 | 1         |