

Mengzhu Liu

List of Publications by Year in descending order

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28
papers

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citations

933447

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755
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | A biodegradable core-sheath nanofibrous 3D hierarchy prepared by emulsion electrospinning for sustained drug release. Journal of Materials Science, 2020, 55, 16730-16743. | 3.7 | 19 |
| 5 | 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. Chemical Research in Chinese Universities, 2020, 36, 1320-1325. | 2.6 | 8 |
| 6 | 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 |
| 7 | 3D network super-hydrophobic hexafluorobisphenol A poly(aryl ether ketone) membrane prepared by one-step electrospinning. High Performance Polymers, 2020, 32, 1094-1101. | 1.8 | 4 |
| 8 | 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. RSC Advances, 2019, 9, 6613-6619. | 3.6 | 7 |
| 9 | Electrospun porous hybrid CuO/CdO nanofibers using carboxylic-functionalized poly(arylene ether) Tj ETQq1 1 0.784314 rgB4 /Overl | 1.8 | 4 |
| 10 | Sensitive and selective non-enzymatic glucose detection using electrospun porous CuOâ€CdO composite nanofibers. Journal of Materials Science, 2019, 54, 3354-3367. | 3.7 | 15 |
| 11 | 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 |
| 12 | Pyrene-functionalized PAEKs prepared from Câ€H borylation and Suzuki coupling reactions for the dispersion of single-walled carbon nanotubes. Composites Science and Technology, 2017, 143, 82-88. | 7.8 | 15 |
| 13 | Electrospun dendritic ZnO nanofibers and its photocatalysis application. Journal of Applied Polymer Science, 2015, 132, . | 2.6 | 7 |
| 14 | Electrospun carboxylic-functionalized poly(arylene ether ketone) ultrafine fibers. High Performance Polymers, 2015, 27, 939-949. | 1.8 | 11 |
| 15 | 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. RSC Advances, 2015, 5, 100856-100864. | 3.6 | 10 |
| 16 | Synthesis and properties of a superabsorbent from an ultravioletâ€irradiated waste nameko mushroom substrate and poly(acrylic acid). Journal of Applied Polymer Science, 2014, 131, . | 2.6 | 7 |
| 17 | Preparation and properties of novel boric acid modified poly(aryl ether sulfone) membranes. Journal of Applied Polymer Science, 2014, 131, . | 2.6 | 1 |
| 18 | High-effective preparation of ultrafine poly-(lactide-co-âŠ-caprolactone-diOH) fibers containing silver nanoparticles. High Performance Polymers, 2014, 26, 483-487. | 1.8 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | Effect of Calcite, Kaolinite, Gypsum, and Montmorillonite on Huadian Oil Shale Kerogen Pyrolysis. <i>Energy & Fuels</i> , 2014, 28, 1860-1867. | 5.1 | 91 |
| 21 | 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 |
| 22 | Synthesis and properties of a novel poly(aryl ether sulfone) functionalized with pinacol phenylboronate pendants. <i>High Performance Polymers</i> , 2014, 26, 408-412. | 1.8 | 3 |
| 23 | 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 |
| 24 | Electrospun Mn ₂ O ₃ nanowrinkles and Mn ₃ O ₄ nanorods: Morphology and catalytic application. <i>Applied Surface Science</i> , 2014, 313, 360-367. | 6.1 | 24 |
| 25 | Preparation and characterization of TiO ₂ nanofibers via using polylactic acid as template. <i>Journal of Applied Polymer Science</i> , 2013, 128, 1095-1100. | 2.6 | 25 |
| 26 | Optimization and investigation of the governing parameters in electrospinning the home-made poly(lactide-co-caprolactone-diOH). <i>Journal of Applied Polymer Science</i> , 2013, 130, 3600-3610. | 2.6 | 10 |
| 27 | Preparation and characterization of multilayer NiO nano-products via electrospinning. <i>Applied Surface Science</i> , 2013, 284, 453-458. | 6.1 | 16 |
| 28 | 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 |