

Bolun Sun

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,923
citations

394421

19
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

2789
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Complete Lifecycle Available, Lightweight and Flexible Hierarchical Structured Bi ₂ WO ₆ /WO ₃ /PAN Nanofibrous Membrane for X-Ray Shielding and Photocatalytic Degradation. <i>Advanced Materials Interfaces</i> , 2021, 8, 2002131. | 3.7 | 17 |
| 2 | Highly flexible magnesium silicate nanofibrous membranes for effective removal of methylene blue from aqueous solution. <i>Chemical Engineering Journal</i> , 2019, 359, 1603-1616. | 12.7 | 74 |
| 3 | Electrospun poly(vinylidene fluoride)-zinc oxide hierarchical composite fiber membrane as piezoelectric acoustoelectric nanogenerator. <i>Journal of Materials Science</i> , 2019, 54, 2754-2762. | 3.7 | 57 |
| 4 | Facile hydrothermal synthesis of branched polyethylenimine grafted electrospun polyacrylonitrile fiber membrane as a highly efficient and reusable bilirubin adsorbent in hemoperfusion. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 675-685. | 9.4 | 58 |
| 5 | Fabrication of highly dispersed ultrafine Co ₉ S ₈ nanoparticles on carbon nanofibers as low-cost counter electrode for dye-sensitized solar cells. <i>Journal of Colloid and Interface Science</i> , 2018, 522, 95-103. | 9.4 | 27 |
| 6 | Polydopamine coating assisted synthesis of MnO ₂ loaded inorganic/organic composite electrospun fiber adsorbent for efficient removal of Pb ²⁺ from water. <i>Chemical Engineering Journal</i> , 2018, 344, 277-289. | 12.7 | 125 |
| 7 | Robust and durable superhydrophobic electrospun nanofibrous mats via a simple Cu nanocluster immobilization for oil-water contamination. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 173-183. | 4.7 | 34 |
| 8 | In Situ Vapor Polymerization of Poly(3,4-ethylenedioxythiophene) Coated SnO ₂ -Fe ₂ O ₃ Continuous Electrospun Nanotubes for Rapid Detection of Iodide Ions. <i>Materials</i> , 2018, 11, 2084. | 2.9 | 4 |
| 9 | Branched polyethylenimine grafted electrospun polyacrylonitrile fiber membrane: a novel and effective adsorbent for Cr(VI) remediation in wastewater. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1133-1144. | 10.3 | 205 |
| 10 | Vanadium-doped tin oxide porous nanofibers: Enhanced responsivity for hydrogen detection. <i>Talanta</i> , 2017, 167, 638-644. | 5.5 | 18 |
| 11 | Preparation of molecularly imprinted sericin/poly(vinyl alcohol) electrospun fibers for selective removal of methylene blue. <i>Chemical Research in Chinese Universities</i> , 2017, 33, 986-994. | 2.6 | 17 |
| 12 | Functionalized magnetic iron oxide/polyacrylonitrile composite electrospun fibers as effective chromium (VI) adsorbents for water purification. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 1018-1030. | 9.4 | 61 |
| 13 | Enhanced adhesion and proliferation of human umbilical vein endothelial cells on conductive PANI-PCL fiber scaffold by electrical stimulation. <i>Materials Science and Engineering C</i> , 2017, 72, 106-112. | 7.3 | 78 |
| 14 | Diethylenetriamine-assisted synthesis of amino-rich hydrothermal carbon-coated electrospun polyacrylonitrile fiber adsorbents for the removal of Cr(VI) and 2,4-dichlorophenoxyacetic acid. <i>Journal of Colloid and Interface Science</i> , 2017, 487, 297-309. | 9.4 | 95 |
| 15 | Hierarchical aminated PANI/AlOOH electrospun composite nanofibers and their heavy metal ion adsorption performance. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 62, 219-227. | 5.3 | 63 |
| 16 | Surface Activated Hydrothermal Carbon-Coated Electrospun PAN Fiber Membrane with Enhanced Adsorption Properties for Herbicide. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2584-2592. | 6.7 | 75 |
| 17 | Highly sensitive acetone sensor based on Eu-doped SnO ₂ electrospun nanofibers. <i>Ceramics International</i> , 2016, 42, 15881-15888. | 4.8 | 103 |
| 18 | Preparation of phosphorylated polyacrylonitrile-based nanofiber mat and its application for heavy metal ion removal. <i>Chemical Engineering Journal</i> , 2015, 268, 290-299. | 12.7 | 148 |

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|----|--|-----|-----------|
| 19 | Nitrofurazone-loaded electrospun PLLA/sericin-based dual-layer fiber mats for wound dressing applications. RSC Advances, 2015, 5, 16940-16949. | 3.6 | 57 |
| 20 | Water-insoluble sericin/ β -cyclodextrin/PVA composite electrospun nanofibers as effective adsorbents towards methylene blue. Colloids and Surfaces B: Biointerfaces, 2015, 136, 375-382. | 5.0 | 96 |
| 21 | Synthesis of β -Cyclodextrin-Based Electrospun Nanofiber Membranes for Highly Efficient Adsorption and Separation of Methylene Blue. ACS Applied Materials & Interfaces, 2015, 7, 26649-26657. | 8.0 | 288 |
| 22 | Electrospun chitosan/sericin composite nanofibers with antibacterial property as potential wound dressings. International Journal of Biological Macromolecules, 2014, 68, 92-97. | 7.5 | 195 |
| 23 | Fabrication of $\text{Fe}_2\text{O}_3/\text{Al}_2\text{O}_3$ core-shell nanofibers and their Cr(VI) adsorptive properties. RSC Advances, 2014, 4, 42376-42382. | 3.6 | 28 |