

# Bolun Sun

## List of Publications by Year in descending order

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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	Synthesis of $\beta$ -Cyclodextrin-Based Electrospun Nanofiber Membranes for Highly Efficient Adsorption and Separation of Methylene Blue. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 26649-26657.	8.0	288
2	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
3	Electrospun chitosan/sericin composite nanofibers with antibacterial property as potential wound dressings. <i>International Journal of Biological Macromolecules</i> , 2014, 68, 92-97.	7.5	195
4	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
5	Polydopamine coating assisted synthesis of MnO <sub>2</sub> loaded inorganic/organic composite electrospun fiber adsorbent for efficient removal of Pb <sup>2+</sup> from water. <i>Chemical Engineering Journal</i> , 2018, 344, 277-289.	12.7	125
6	Highly sensitive acetone sensor based on Eu-doped SnO <sub>2</sub> electrospun nanofibers. <i>Ceramics International</i> , 2016, 42, 15881-15888.	4.8	103
7	Water-insoluble sericin/ $\beta$ -cyclodextrin/PVA composite electrospun nanofibers as effective adsorbents towards methylene blue. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 375-382.	5.0	96
8	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
9	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
10	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
11	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
12	Hierarchical aminated PAN/ $\beta$ -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
13	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
14	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
15	Nitrofurazone-loaded electrospun PLLA/sericin-based dual-layer fiber mats for wound dressing applications. <i>RSC Advances</i> , 2015, 5, 16940-16949.	3.6	57
16	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
17	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
18	Fabrication of $\beta$ -Fe <sub>2</sub> O <sub>3</sub> @ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> core-shell nanofibers and their Cr(VI) adsorptive properties. <i>RSC Advances</i> , 2014, 4, 42376-42382.	3.6	28

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19	Fabrication of highly dispersed ultrafine Co <sub>9</sub> S <sub>8</sub> 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
20	Vanadium-doped tin oxide porous nanofibers: Enhanced responsivity for hydrogen detection. <i>Talanta</i> , 2017, 167, 638-644.	5.5	18
21	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
22	Complete "Lifecycle" Available, Lightweight and Flexible Hierarchical Structured Bi <sub>2</sub> WO <sub>6</sub> /WO <sub>3</sub> /PAN Nanofibrous Membrane for X-Ray Shielding and Photocatalytic Degradation. <i>Advanced Materials Interfaces</i> , 2021, 8, 2002131.	3.7	17
23	In Situ Vapor Polymerization of Poly(3,4-ethylenedioxythiophene) Coated SnO <sub>2</sub> -Fe <sub>2</sub> O <sub>3</sub> Continuous Electrospun Nanotubes for Rapid Detection of Iodide Ions. <i>Materials</i> , 2018, 11, 2084.	2.9	4