Luo Lei

List of Publications by Year
in descending order

42 papers	1,600 citations	304368 22 h-index	288905 40 g-index
42 all docs	42 docs citations	42 times ranked	2234 citing authors

#	Article	IF	Citations
1	Multifunctional adsorbent based on metal-organic framework modified bacterial cellulose/chitosan composite aerogel for high efficient removal of heavy metal ion and organic pollutant. Chemical Engineering Journal, 2020, 383, 123127.	6.6	244
2	Novel Phenolic Biosensor Based on a Magnetic Polydopamine-Laccase-Nickel Nanoparticle Loaded Carbon Nanofiber Composite. ACS Applied Materials & Interfaces, 2014, 6, 5144-5151.	4.0	117
3	Stretchable and Highly Sensitive Braided Composite Yarn@Polydopamine@Polypyrrole for Wearable Applications. ACS Applied Materials & Interfaces, 2019, 11, 7338-7348.	4.0	88
4	TEMPO-oxidized bacterial cellulose nanofiber membranes as high-performance separators for lithium-ion batteries. Carbohydrate Polymers, 2020, 230, 115570.	5.1	79
5	Conductive Cotton Fabrics for Motion Sensing and Heating Applications. Polymers, 2018, 10, 568.	2.0	76
6	Fabrication of PA6/TiO2/PANI composite nanofibers by electrospinningâ€“electrospraying for ammonia sensor. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 461, 113-118.	2.3	75
7	High lithium electroactivity of electrospun CuFe2O4 nanofibers as anode material for lithium-ion batteries. Electrochimica Acta, 2014, 144, 85-91.	2.6	74
8	Direct screen printing of single-faced conductive cotton fabrics for strain sensing, electrical heating and color changing. Cellulose, 2019, 26, 6179-6188.	2.4	71
9	Laccase Biosensor Based on Electrospun Copper/Carbon Composite Nanofibers for Catechol Detection. Sensors, 2014, 14, 3543-3556.	2.1	61
10	Facile fabrication of gold nanoparticle on zein ultrafine fibers and their application for catechol biosensor. Applied Surface Science, 2015, 328, 444-452.	3.1	57
11	Fabrication of electrospun ZnMn 2 O 4 nanofibers as anode material for lithium-ion batteries. Electrochimica Acta, 2015, 177, 283-289.	2.6	44
12	Electrospun synthesis and lithium storage properties of magnesium ferrite nanofibers. Electrochimica Acta, 2015, 160, 43-49.	2.6	43
13	Facile synthesis of one-dimensional zinc vanadate nanofibers for high lithium storage anode material. Journal of Alloys and Compounds, 2015, 649, 1019-1024.	2.8	42
14	A catechol biosensor based on electrospun carbon nanofibers. Beilstein Journal of Nanotechnology, 2014, 5, 346-354.	1.5	38
15	Electrospun ZnOâ€“SnO2 composite nanofibers with enhanced electrochemical performance as lithium-ion anodes. Ceramics International, 2016, 42, 10826-10832.	2.3	38
16	Highly sensitive and durable wearable strain sensors from a core-sheath nanocomposite yarn. Composites Part B: Engineering, 2020, 183, 107683.	5.9	38
17	Composite nanofiber membranes of bacterial cellulose/halloysite nanotubes as lithium ion battery separators. Cellulose, 2019, 26, 6669-6681.	2.4	37
18	Aramid nanofiber/bacterial cellulose composite separators for lithium-ion batteries. Carbohydrate Polymers, 2020, 247, 116702.	5.1	37

#	Article	IF	Citations
19	Superior high-voltage aqueous carbon/carbon supercapacitors operating with in situ electrodeposited polyvinyl alcohol borate gel polymer electrolytes. Journal of Materials Chemistry A, 2016, 4, 16588-16596.	5.2	34
20	Electrospun preparation and lithium storage properties of NiFe2O4 nanofibers. Ionics, 2015, 21, 687-694.	1.2	29
21	Highly robust and durable core-sheath nanocomposite yarns for electro-thermochromic performance application. Chemical Engineering Journal, 2020, 384, 123376.	6.6	24
22	Tin nanoparticles embedded in ordered mesoporous carbon as high-performance anode for sodium-ion batteries. Journal of Solid State Electrochemistry, 2017, 21, 1385-1395.	1.2	23
23	CNT/cotton composite yarn for electro-thermochromic textiles. Smart Materials and Structures, 2019, 28, 085003.	1.8	23
24	Carbonâ€Coated Magnesium Ferrite Nanofibers for Lithiumâ€Ion Battery Anodes with Enhanced Cycling Performance. Energy Technology, 2017, 5, 1364-1372.	1.8	22
25	Amperometric detection of hydrogen peroxide using a nanofibrous membrane sputtered with silver. RSC Advances, 2014, 4, 3857-3863.	1.7	21
26	Highly Stretchable Sheathâ€“Core Yarns for Multifunctional Wearable Electronics. ACS Applied Materials & Interfaces, 2020, 12, 29717-29727.	4.0	20
27	Facile synthesis of three-dimensional MgFe2O4/graphene aerogel composites for high lithium storage performance and its application in full cell. Materials and Design, 2019, 182, 108043.	3.3	17
28	In situ polymerization of pyrrole on CNT/cotton multifunctional composite yarn for supercapacitors. Ionics, 2021, 27, 279-288.	1.2	17
29	A Durable Fluorineâ€Free MOFâ€Based Selfâ€Cleaning Superhydrophobic Cotton Fabric for Oilâ€Water Separation. Advanced Materials Interfaces, 2022, 9, .	1.9	17
30	Effect of pore distribution on the lithium storage properties of porous C/SnO 2 nanofibers. Journal of Alloys and Compounds, 2017, 711, 414-423.	2.8	16
31	Fabricate BC/Fe3O4@PPy 3D nanofiber film as flexible electrode for supercapacitor application. Journal of Physics and Chemistry of Solids, 2018, 116, 153-160.	1.9	15
32	A novel cellulose membrane from cattail fibers as separator for Li-ion batteries. Cellulose, 2021, 28, 9309-9321.	2.4	14
33	Polyvinylpyrrolidone-derived carbon-coated magnesium ferrite composite nanofibers as anode material for high-performance lithium-ion batteries. Ionics, 2018, 24, 297-301.	1.2	10
34	Sonochemical synthesis and high lithium storage properties of Sn/CMK-3 nanocomposites. Electrochimica Acta, 2015, 165, 149-154.	2.6	9
35	Synthesis of Polydopamine Functionalized Reduced Graphene Oxide-Palladium Nanocomposite for Laccase Based Biosensor. Bioinorganic Chemistry and Applications, 2016, 2016, 1-10.	1.8	8
36	Recent Developments of Tin (II) Sulfide/Carbon Composites for Achieving High-Performance Lithium Ion Batteries: A Critical Review. Nanomaterials, 2022, 12, 1246.	1.9	8

#	Article	IF	Citations
37	Warm-toned SiO2/red-emitting color converter@SrAl2O4:Eu2+, Dy3+ luminous fibers with variable and color-tuned luminescence on the basis of radiative energy transfer and color conversion. Journal of Luminescence, 2019, 216, 116756.	1.5	7
38	3-D Deformation Behavior Simulation of Cable Stitch Based on Particle System in Weft Knitted Fabrics. Fibers and Polymers, 2018, 19, 1997-2006.	1.1	3
39	Preparation of Nano-Fe3O4/Nylon Composite Fabric with Magnetic Properties by Post Finishing Method. Fibers and Polymers, 2019, 20, 1396-1403.	1.1	2
40	Electrospun MnCo2O4/C composite nanofibers as anodes with improved lithium storage performance. Ionics, 2020, 26, 1229-1238.	1.2	1
41	Review on the 3-D simulation for weft knitted fabric. Journal of Engineered Fibers and Fabrics, 2021, 16, 155892502110125.	0.5	1
42	3-D dynamic simulation of knitwear based on the hybrid model. Journal of Engineered Fibers and Fabrics, 2021, 16, 155892502110515.	0.5	0