

List of Publications by Year in descending order

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105
papers

9,953
citations

34016

52
h-index

34900

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all docs

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docs citations

106
times ranked

7905
citing authors

#	ARTICLE	IF	CITATIONS
1	The cytotoxicity of zinc oxide nanoparticles to 3D brain organoids results from excessive intracellular zinc ions and defective autophagy. <i>Cell Biology and Toxicology</i> , 2023, 39, 259-275.	2.4	11
2	MoS ₂ nanosheets and bulk materials altered lipid profiles in 3D Caco-2 spheroids. <i>Chinese Chemical Letters</i> , 2022, 33, 293-297.	4.8	28
3	Gas-shearing synthesis of core-shell multicompartamental microparticles as cell-like system for enzymatic cascade reaction. <i>Chemical Engineering Journal</i> , 2022, 428, 132607.	6.6	31
4	Lightweight, elastic and superhydrophobic multifunctional nanofibrous aerogel for self-cleaning, oil/water separation and pressure sensing. <i>Chemical Engineering Journal</i> , 2022, 430, 132989.	6.6	108
5	Effects of epigallocatechin gallate on the stability, dissolution and toxicology of ZnO nanoparticles. <i>Food Chemistry</i> , 2022, 371, 131383.	4.2	5
6	Free-standing porous carbon nanofiber membranes obtained by one-step carbonization and activation for high-performance supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2022, 329, 111545.	2.2	31
7	TiO ₂ nanosheets promote the transformation of vascular smooth muscle cells into foam cells in vitro and in vivo through the up-regulation of nuclear factor kappa B subunit 2. <i>Journal of Hazardous Materials</i> , 2022, 424, 127704.	6.5	14
8	Core-shell microparticles: From rational engineering to diverse applications. <i>Advances in Colloid and Interface Science</i> , 2022, 299, 102568.	7.0	51
9	Blow-spun nanofibrous composite Self-cleaning membrane for enhanced purification of oily wastewater. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2860-2869.	5.0	114
10	Genistein-based reactive oxygen species-responsive nanomaterial site-specifically relieves the intestinal toxicity of endocrine-disrupting chemicals. <i>International Journal of Pharmaceutics</i> , 2022, 615, 121478.	2.6	1
11	Quaternized chitin/tannic acid bilayers layer-by-layer deposited poly(lactic acid)/polyurethane nanofibrous mats decorated with photoresponsive complex and silver nanoparticles for antibacterial activity. <i>International Journal of Biological Macromolecules</i> , 2022, 201, 448-457.	3.6	32
12	Colorimetric/spectral dual-mode analysis of sensitive fluorescent probe based on 2,3,3-trimethyl-3H-benzo[e]indole detection of acid pH. <i>Bioorganic Chemistry</i> , 2022, 124, 105792.	2.0	5
13	High strength and ultralight lignin-mediated fire-resistant aerogel for repeated oil/water separation. <i>Carbon</i> , 2022, 193, 285-297.	5.4	33
14	Toxic reactive oxygen species enhanced chemodynamic therapy by copper metal-nanocellulose based nanocatalysts. <i>Carbohydrate Polymers</i> , 2022, 289, 119432.	5.1	14
15	Morphology engineering processed nanofibrous membranes with secondary structure for high-performance air filtration. <i>Separation and Purification Technology</i> , 2022, 294, 121093.	3.9	80
16	Light triggered nanoscale biolistics for efficient intracellular delivery of functional macromolecules in mammalian cells. <i>Nature Communications</i> , 2022, 13, 1996.	5.8	10
17	A Prussian blue alginate microparticles platform based on gas-shearing strategy for antitumor and antibacterial therapy. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 794-800.	3.6	22
18	Oregano essential oil/ β -cyclodextrin inclusion compound polylactic acid/polycaprolactone electrospun nanofibers for active food packaging. <i>Chemical Engineering Journal</i> , 2022, 445, 136746.	6.6	58

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19	A biomass-derived Schiff base material composited with polylactic acid nanofiber membrane as selective fluorescent "turn off/on"™ platform for Pb ²⁺ quantitative detection and characterization. <i>International Journal of Biological Macromolecules</i> , 2022, 214, 414-425.	3.6	17
20	Bio-based materials with special wettability for oil-water separation. <i>Separation and Purification Technology</i> , 2022, 297, 121445.	3.9	69
21	Encapsulated Microstructures of Beneficial Functional Lipids and Their Applications in Foods and Biomedicines. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 8165-8187.	2.4	12
22	Spatial confinement of multi-enzyme for cascade catalysis in cell-inspired all-aqueous multicompartmental microcapsules. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 768-774.	5.0	28
23	Robust, functionalized reduced graphene-based nanofibrous membrane for contaminated water purification. <i>Chemical Engineering Journal</i> , 2021, 404, 126347.	6.6	134
24	Designable dual-power micromotors fabricated from a biocompatible gas-shearing strategy. <i>Chemical Engineering Journal</i> , 2021, 407, 127187.	6.6	29
25	Flexible and transparent composite nanofibre membrane that was fabricated via a "green" electrospinning method for efficient particulate matter 2.5 capture. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 506-514.	5.0	160
26	Preparation of Single, Heteromorphic Microspheres, and Their Progress for Medical Applications. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2000593.	1.7	19
27	Well-defined organic fluorescent nanomaterials with AIE characteristics for colorimetric/UV-vis/fluorescent multi-channel recognition of Zn ²⁺ with multiple applications in plant cells and zebrafish. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4981-4988.	3.2	22
28	Stimuli-responsive nanobubbles for biomedical applications. <i>Chemical Society Reviews</i> , 2021, 50, 5746-5776.	18.7	141
29	A tunable temperature-responsive and tough platform for controlled drug delivery. <i>New Journal of Chemistry</i> , 2021, 45, 13056-13063.	1.4	13
30	Concentration Gradients in Material Sciences: Methods to Design and Biomedical Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2009005.	7.8	38
31	A biocompatible and pH-responsive nanohydrogel based on cellulose nanocrystal for enhanced toxic reactive oxygen species generation. <i>Carbohydrate Polymers</i> , 2021, 258, 117685.	5.1	43
32	Titanate nanofibers reduce Kruppel-like factor 2 (KLF2)-eNOS pathway in endothelial monolayer: A transcriptomic study. <i>Chinese Chemical Letters</i> , 2021, 32, 1567-1570.	4.8	20
33	Multifunctional Applications of Blow-Spinning <i>Setaria viridis</i> Structured Fibrous Membranes in Water Purification. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22874-22883.	4.0	93
34	Multistructured Electrospun Nanofibers for Air Filtration: A Review. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23293-23313.	4.0	237
35	Comparison of multi-walled carbon nanotubes and halloysite nanotubes on lipid profiles in human umbilical vein endothelial cells. <i>NanoImpact</i> , 2021, 23, 100333.	2.4	12
36	Well-defined multifunctional superhydrophobic green nanofiber membrane based-polyurethane with inherent antifouling, antiadhesive and photothermal bactericidal properties and its application in bacteria, living cells and zebra fish. <i>Composites Communications</i> , 2021, 26, 100758.	3.3	25

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37	Genistein-Derived ROS-Responsive Nanoparticles Relieve Colitis by Regulating Mucosal Homeostasis. ACS Applied Materials & Interfaces, 2021, 13, 40249-40266.	4.0	35
38	UV-fluorescence probe for detection Ni ²⁺ with colorimetric/spectral dual-mode analysis method and its practical application. Bioorganic Chemistry, 2021, 114, 105103.	2.0	43
39	Dual-Functional Surfaces Based on an Antifouling Polymer and a Natural Antibiofilm Molecule: Prevention of Biofilm Formation without Using Biocides. ACS Applied Materials & Interfaces, 2021, 13, 45191-45200.	4.0	33
40	Durable, self-healing superhydrophobic nanofibrous membrane with self-cleaning ability for highly-efficient oily wastewater purification. Journal of Membrane Science, 2021, 634, 119402.	4.1	132
41	High performance, environmentally friendly and sustainable nanofiber membrane filter for removal of particulate matter 1.0. Journal of Colloid and Interface Science, 2021, 597, 48-55.	5.0	107
42	“Turn-on” ratiometric fluorescent probe: Naked-eye detection of acidic pH and citric acid (CA) by using fluorescence spectrum and its application in real food samples and zebrafish. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 261, 120014.	2.0	32
43	Design and fabrication of cellulose derived free-standing carbon nanofiber membranes for high performance supercapacitors. Carbohydrate Polymer Technologies and Applications, 2021, 2, 100117.	1.6	4
44	Bio-based electrospun nanofiber as building blocks for a novel eco-friendly air filtration membrane: A review. Separation and Purification Technology, 2021, 277, 119623.	3.9	182
45	Triggered Release from Cellulose Microparticles Inspired by Wood Degradation by Fungi. ACS Sustainable Chemistry and Engineering, 2021, 9, 387-397.	3.2	53
46	Universal Antifouling and Photothermal Antibacterial Surfaces Based on Multifunctional Metal-Phenolic Networks for Prevention of Biofilm Formation. ACS Applied Materials & Interfaces, 2021, 13, 48403-48413.	4.0	44
47	Photothermal nanofibres enable safe engineering of therapeutic cells. Nature Nanotechnology, 2021, 16, 1281-1291.	15.6	192
48	Healable, Adhesive, and Conductive Nanocomposite Hydrogels with Ultrastretchability for Flexible Sensors. ACS Applied Materials & Interfaces, 2021, 13, 58048-58058.	4.0	40
49	One stone two birds: a sinter-resistant TiO ₂ nanofiber-based unbroken mat enables PM capture and in situ elimination. Nanoscale, 2021, 13, 20564-20575.	2.8	9
50	Nature-inspired chemistry toward hierarchical superhydrophobic, antibacterial and biocompatible nanofibrous membranes for effective UV-shielding, self-cleaning and oil-water separation. Journal of Hazardous Materials, 2020, 384, 121476.	6.5	240
51	Hydrothermal synthesized UV-resistance and transparent coating composited superoleophilic electrospun membrane for high efficiency oily wastewater treatment. Journal of Hazardous Materials, 2020, 383, 121152.	6.5	176
52	Smart, Photothermally Activated, Antibacterial Surfaces with Thermally Triggered Bacteria-Releasing Properties. ACS Applied Materials & Interfaces, 2020, 12, 21283-21291.	4.0	116
53	Fluorescence detection of Escherichia coli on mannose modified ZnTe quantum dots. Chinese Chemical Letters, 2020, 31, 1504-1507.	4.8	35
54	Biomimetic Durable Multifunctional Self-Cleaning Nanofibrous Membrane with Outstanding Oil/Water Separation, Photodegradation of Organic Contaminants, and Antibacterial Performances. ACS Applied Materials & Interfaces, 2020, 12, 34999-35010.	4.0	202

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55	Multifunctional Gas-Spinning Hierarchical Architecture: A Robust and Efficient Nanofiber Membrane for Simultaneous Air and Water Contaminant Remediation. <i>ACS Applied Polymer Materials</i> , 2020, 2, 5686-5697.	2.0	45
56	Design of a novel mitochondria targetable turn-on fluorescence probe for hydrogen peroxide and its two-photon bioimaging applications. <i>Chinese Chemical Letters</i> , 2020, 31, 3149-3152.	4.8	47
57	Faithful Fabrication of Biocompatible Multicompartmental Memomicrospheres for Digitally Colorable Tunable Barcoding. <i>Small</i> , 2020, 16, e1907586.	5.2	41
58	Anthocyanins decrease the internalization of TiO ₂ nanoparticles into 3D Caco-2 spheroids. <i>Food Chemistry</i> , 2020, 331, 127360.	4.2	10
59	Evaluation of toxicity of halloysite nanotubes and multi-walled carbon nanotubes to endothelial cells <i>in vitro</i> and blood vessels <i>in vivo</i> . <i>Nanotoxicology</i> , 2020, 14, 1017-1038.	1.6	44
60	A novel xanthan gum-based conductive hydrogel with excellent mechanical, biocompatible, and self-healing performances. <i>Carbohydrate Polymers</i> , 2020, 247, 116743.	5.1	89
61	Multi-walled carbon nanotubes (MWCNTs) transformed THP-1 macrophages into foam cells: Impact of pulmonary surfactant component dipalmitoylphosphatidylcholine. <i>Journal of Hazardous Materials</i> , 2020, 392, 122286.	6.5	22
62	Self-Healing and Superwetable Nanofibrous Membranes with Excellent Stability toward Multifunctional Applications in Water Purification. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23644-23654.	4.0	86
63	Materials and Technologies to Combat Counterfeiting of Pharmaceuticals: Current and Future Problem Tackling. <i>Advanced Materials</i> , 2020, 32, e1905486.	11.1	84
64	Graphene oxide size-dependently altered lipid profiles in THP-1 macrophages. <i>Ecotoxicology and Environmental Safety</i> , 2020, 199, 110714.	2.9	30
65	Electrospun nanofiber membranes for wastewater treatment applications. <i>Separation and Purification Technology</i> , 2020, 250, 117116.	3.9	280
66	Electrospun Core-Shell Nanofibrous Membranes with Nanocellulose-Stabilized Carbon Nanotubes for Use as High-Performance Flexible Supercapacitor Electrodes with Enhanced Water Resistance, Thermal Stability, and Mechanical Toughness. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44624-44635.	4.0	164
67	Biomass derived carbon as binder-free electrode materials for supercapacitors. <i>Carbon</i> , 2019, 155, 706-726.	5.4	273
68	Anisotropic nanocellulose aerogels with ordered structures fabricated by directional freeze-drying for fast liquid transport. <i>Cellulose</i> , 2019, 26, 6653-6667.	2.4	123
69	Redox-responsive blend hydrogel films based on carboxymethyl cellulose/chitosan microspheres as dual delivery carrier. <i>International Journal of Biological Macromolecules</i> , 2019, 134, 413-421.	3.6	59
70	Ecofriendly Electrospun Membranes Loaded with Visible-Light-Responding Nanoparticles for Multifunctional Usages: Highly Efficient Air Filtration, Dye Scavenging, and Bactericidal Activity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 12880-12889.	4.0	323
71	Fabrication of superhydrophobic electrospun polyimide nanofibers modified with polydopamine and polytetrafluoroethylene nanoparticles for oil-water separation. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47638.	1.3	33
72	A self-healable and highly flexible supercapacitor integrated by dynamically cross-linked electro-conductive hydrogels based on nanocellulose-templated carbon nanotubes embedded in a viscoelastic polymer network. <i>Carbon</i> , 2019, 149, 1-18.	5.4	280

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73	Electrospun frogspawn structured membrane for gravity-driven oil-water separation. Journal of Colloid and Interface Science, 2019, 547, 136-144.	5.0	118
74	Gasâ€Shearing Fabrication of Multicompartmental Microspheres: A Oneâ€Step and Oilâ€Free Approach. Advanced Science, 2019, 6, 1802342.	5.6	87
75	Nanocellulose-templated assembly of polyaniline in natural rubber-based hybrid elastomers toward flexible electronic conductors. Industrial Crops and Products, 2019, 128, 94-107.	2.5	163
76	Stimuli-responsive bio-based polymeric systems and their applications. Journal of Materials Chemistry B, 2019, 7, 709-729.	2.9	487
77	Fabrication of highly durable and robust superhydrophobic-superoleophilic nanofibrous membranes based on a fluorine-free system for efficient oil/water separation. Journal of Membrane Science, 2019, 570-571, 303-313.	4.1	196
78	Electronic textiles based on aligned electrospun belt-like cellulose acetate nanofibers and graphene sheets: portable, scalable and eco-friendly strain sensor. Nanotechnology, 2019, 30, 045602.	1.3	29
79	Bio-based and photocrosslinked electrospun antibacterial nanofibrous membranes for air filtration. Carbohydrate Polymers, 2019, 205, 55-62.	5.1	158
80	Temperature-induced molecular orientation and mechanical properties of single electrospun polyimide nanofiber. Materials Letters, 2018, 216, 81-83.	1.3	79
81	Antibacterial and Effective Air Filtration Membranes by â€Greenâ€Electrospinning and Citric Acid Crosslinking. Colloids and Interface Science Communications, 2018, 23, 52-58.	2.0	39
82	Electrospun soyâ€proteinâ€based nanofibrous membranes for effective antimicrobial air filtration. Journal of Applied Polymer Science, 2018, 135, 45766.	1.3	60
83	Green electrospun and crosslinked poly(vinyl alcohol)/poly(acrylic acid) composite membranes for antibacterial effective air filtration. Journal of Colloid and Interface Science, 2018, 511, 411-423.	5.0	148
84	Nature-inspired creation of a robust free-standing electrospun nanofibrous membrane for efficient oilâ€water separation. Environmental Science: Nano, 2018, 5, 2909-2920.	2.2	73
85	Green Electrospun Nanofibers and Their Application in Air Filtration. Macromolecular Materials and Engineering, 2018, 303, 1800336.	1.7	273
86	Nanocellulose-Mediated Electroconductive Self-Healing Hydrogels with High Strength, Plasticity, Viscoelasticity, Stretchability, and Biocompatibility toward Multifunctional Applications. ACS Applied Materials & Interfaces, 2018, 10, 27987-28002.	4.0	420
87	Durable superhydrophobic and superoleophilic electrospun nanofibrous membrane for oil-water emulsion separation. Journal of Colloid and Interface Science, 2018, 532, 12-23.	5.0	157
88	Microstructures and mechanical properties of aligned electrospun carbon nanofibers from binary composites of polyacrylonitrile and polyamic acid. Journal of Materials Science, 2018, 53, 15096-15106.	1.7	138
89	PTX-loaded three-layer PLGA/CS/ALG nanoparticle based on layer-by-layer method for cancer therapy. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 1566-1578.	1.9	23
90	<i>In situ</i> growth of hierarchical Al ₂ O ₃ nanostructures onto TiO ₂ nanofibers surface: super-hydrophilicity, efficient oil/water separation and dye-removal. Nanotechnology, 2018, 29, 345607.	1.3	30

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91	Fabrication of Sustained-release CA-PU Coaxial Electrospun Fiber Membranes for Plant Grafting Application. <i>Carbohydrate Polymers</i> , 2017, 169, 198-205.	5.1	41
92	Dual pH- and ammonia-vapor-responsive electrospun nanofibrous membranes for oil-water separations. <i>Journal of Membrane Science</i> , 2017, 537, 128-139.	4.1	157
93	Electrospun Nanofibers Membranes for Effective Air Filtration. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1600353.	1.7	418
94	Polyimide/cellulose acetate core/shell electrospun fibrous membranes for oil-water separation. <i>Separation and Purification Technology</i> , 2017, 177, 71-85.	3.9	147
95	Effects of nanocellulose on the structure and properties of poly(vinyl alcohol)-borax hybrid foams. <i>Cellulose</i> , 2017, 24, 4433-4448.	2.4	149
96	Core-sheath structured electrospun nanofibrous membranes for oil-water separation. <i>RSC Advances</i> , 2016, 6, 41861-41870.	1.7	62
97	Effective method of chitosan-coated alginate nanoparticles for target drug delivery applications. <i>Journal of Biomaterials Applications</i> , 2016, 31, 3-12.	1.2	47
98	pH responsive polyurethane (core) and cellulose acetate phthalate (shell) electrospun fibers for intravaginal drug delivery. <i>Carbohydrate Polymers</i> , 2016, 151, 1240-1244.	5.1	99
99	Electrospun fibers for oil-water separation. <i>RSC Advances</i> , 2016, 6, 12868-12884.	1.7	173
100	A novel preparation method of paclitaxel-loaded folate-modified chitosan microparticles and in vitro evaluation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016, 27, 276-289.	1.9	15
101	Electrospun polystyrene fibers for HIV entrapment. <i>Polymers for Advanced Technologies</i> , 2014, 25, 827-834.	1.6	19
102	Magnetic Electrospun Fibers for Cancer Therapy. <i>Advanced Functional Materials</i> , 2012, 22, 2479-2486.	7.8	88
103	Electrospun cellulose acetate phthalate fibers for semen induced anti-HIV vaginal drug delivery. <i>Biomaterials</i> , 2012, 33, 962-969.	5.7	149
104	Stimuli-responsive electrospun fibers and their applications. <i>Chemical Society Reviews</i> , 2011, 40, 2417.	18.7	184
105	Unbreakable Codes in Electrospun Fibers: Digitally Encoded Polymers to Stop Medicine Counterfeiting. <i>Advanced Materials</i> , 2010, 22, 2657-2662.	11.1	58