

Dawei Li

List of Publications by Year in descending order

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74
papers

1,722
citations

257450

24
h-index

315739

38
g-index

74
all docs

74
docs citations

74
times ranked

2554
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Phenolic Biosensor Based on a Magnetic Polydopamine-Laccase-Nickel Nanoparticle Loaded Carbon Nanofiber Composite. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 5144-5151.	8.0	117
2	A Dual-Mode Wearable Sensor Based on Bacterial Cellulose Reinforced Hydrogels for Highly Sensitive Strain/Pressure Sensing. <i>Advanced Electronic Materials</i> , 2020, 6, 1900934.	5.1	83
3	A plant-inspired long-lasting adhesive bilayer nanocomposite hydrogel based on redox-active Ag/Tannic acid-Cellulose nanofibers. <i>Carbohydrate Polymers</i> , 2021, 255, 117508.	10.2	77
4	A sensitive immunochromatographic assay using colloidal gold-antibody probe for rapid detection of pharmaceutical indomethacin in water samples. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2277-2280.	10.1	73
5	A multifunctional and highly stretchable electronic device based on silver nanowire/wrap yarn composite for a wearable strain sensor and heater. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13468-13476.	5.5	69
6	Laccase Biosensor Based on Electrospun Copper/Carbon Composite Nanofibers for Catechol Detection. <i>Sensors</i> , 2014, 14, 3543-3556.	3.8	61
7	Strategies to Increase On-Target and Reduce Off-Target Effects of the CRISPR/Cas9 System in Plants. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3719.	4.1	61
8	A laccase based biosensor on AuNPs-MoS ₂ modified glassy carbon electrode for catechol detection. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 186, 110683.	5.0	58
9	Laccase Immobilized on a PAN/Adsorbents Composite Nanofibrous Membrane for Catechol Treatment by a Biocatalysis/Adsorption Process. <i>Molecules</i> , 2014, 19, 3376-3388.	3.8	56
10	Dexamethasone loaded core-shell SF/PEO nanofibers via green electrospinning reduced endothelial cells inflammatory damage. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 126, 561-568.	5.0	56
11	Development of a sensitive and group-specific polyclonal antibody-based enzyme-linked immunosorbent assay (ELISA) for detection of malachite green and leucomalachite green in water and fish samples. <i>Journal of the Science of Food and Agriculture</i> , 2009, 89, 2165-2173.	3.5	55
12	A multi-layered vascular scaffold with symmetrical structure by bi-directional gradient electrospinning. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 133, 179-188.	5.0	52
13	Electrospun form-stable phase change composite nanofibers consisting of capric acid-based binary fatty acid eutectics and polyethylene terephthalate. <i>Fibers and Polymers</i> , 2013, 14, 89-99.	2.1	41
14	Hierarchical porous nanofibers containing thymol/beta-cyclodextrin: Physico-chemical characterization and potential biomedical applications. <i>Materials Science and Engineering C</i> , 2020, 115, 111155.	7.3	40
15	Asymmetric Synthesis of Oxa-Bridged Oxazocines through a Catalytic Rh ^{II} /Zn ^{II} Relay [4+3] Cycloaddition Reaction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18438-18442.	13.8	34
16	FeNi alloy nanoparticles embedded in electrospun nitrogen-doped carbon fibers for efficient oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2020, 578, 805-813.	9.4	33
17	Preparation of Pd/Bacterial Cellulose Hybrid Nanofibers for Dopamine Detection. <i>Molecules</i> , 2016, 21, 618.	3.8	32
18	Asymmetric Synthesis of Axially Chiral Anilides via Organocatalytic Atroposelective N-Acylation. <i>Organic Letters</i> , 2020, 22, 5331-5336.	4.6	31

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19	Evaluation, characterization, expression profiling, and functional analysis of DXS and DXR genes of <i>Populus trichocarpa</i> . <i>Plant Physiology and Biochemistry</i> , 2019, 142, 94-105.	5.8	30
20	Insight into light-driven antibacterial cotton fabrics decorated by in situ growth strategy. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 233-242.	9.4	29
21	An Overlapping-Free Leaf Segmentation Method for Plant Point Clouds. <i>IEEE Access</i> , 2019, 7, 129054-129070.	4.2	27
22	NiCu Alloy Nanoparticle-Loaded Carbon Nanofibers for Phenolic Biosensor Applications. <i>Sensors</i> , 2015, 15, 29419-29433.	3.8	26
23	Characterization and Function of 3-Hydroxy-3-Methylglutaryl-CoA Reductase in <i>Populus trichocarpa</i> : Overexpression of PtHMGR Enhances Terpenoids in Transgenic Poplar. <i>Frontiers in Plant Science</i> , 2019, 10, 1476.	3.6	25
24	Fabrication of Multilayered Nanofiber Scaffolds with a Highly Aligned Nanofiber Yarn for Anisotropic Tissue Regeneration. <i>ACS Omega</i> , 2020, 5, 24340-24350.	3.5	24
25	Tin nanoparticles embedded in ordered mesoporous carbon as high-performance anode for sodium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 1385-1395.	2.5	23
26	Preparation of <i>Centella asiatica</i> loaded gelatin/chitosan/nonwoven fabric composite hydrogel wound dressing with antibacterial property. <i>International Journal of Biological Macromolecules</i> , 2021, 192, 350-359.	7.5	23
27	Carbon-Coated Magnesium Ferrite Nanofibers for Lithium-Ion Battery Anodes with Enhanced Cycling Performance. <i>Energy Technology</i> , 2017, 5, 1364-1372.	3.8	22
28	Bimetallic Catalytic Tandem Reaction of Acyclic Enynones: Enantioselective Access to Tetrahydrobenzofuran Derivatives. <i>Organic Letters</i> , 2020, 22, 3551-3556.	4.6	22
29	Amperometric detection of hydrogen peroxide using a nanofibrous membrane sputtered with silver. <i>RSC Advances</i> , 2014, 4, 3857-3863.	3.6	21
30	Facile fabrication and characterization on alginate microfibrils with grooved structure via microfluidic spinning. <i>Royal Society Open Science</i> , 2019, 6, 181928.	2.4	20
31	Overexpression of PtDXS Enhances Stress Resistance in Poplars. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1669.	4.1	20
32	Free-standing TiO ₂ -SiO ₂ /PANI composite nanofibers for ammonia sensors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 3576-3583.	2.2	19
33	Plant Secondary Metabolites with an Overview of <i>Populus</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 6890.	4.1	19
34	Thermal and mechanical properties of nanofibers-based form-stable PCMs consisting of glycerol monostearate and polyethylene terephthalate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 101-111.	3.6	18
35	Mussel-inspired double cross-linked hydrogels with desirable mechanical properties, strong tissue-adhesiveness, self-healing properties and antibacterial properties. <i>Materials Science and Engineering C</i> , 2021, 120, 111690.	7.3	18
36	PSegNet: Simultaneous Semantic and Instance Segmentation for Point Clouds of Plants. <i>Plant Phenomics</i> , 2022, 2022, .	5.9	17

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37	Enantioselective Synthesis of 4-Hydroxy-dihydrocoumarins via Catalytic Ring Opening/Cycloaddition of Cyclobutenones. <i>Organic Letters</i> , 2019, 21, 2388-2392.	4.6	16
38	Preparation of a graphene-loaded carbon nanofiber composite with enhanced graphitization and conductivity for biosensing applications. <i>RSC Advances</i> , 2015, 5, 30602-30609.	3.6	15
39	Wintersweet Branch-like C/C@SnO ₂ /MoS ₂ Nanofibers as High-Performance Li and Na-ion Battery Anodes. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1700295.	2.3	15
40	Direct electrochemistry of laccase and a hydroquinone biosensing application employing ZnO loaded carbon nanofibers. <i>RSC Advances</i> , 2014, 4, 61831-61840.	3.6	14
41	Preparation of bacterial cellulose/carbon nanotube nanocomposite for biological fuel cell. <i>Fibers and Polymers</i> , 2016, 17, 1858-1865.	2.1	14
42	In situ 3D bacterial cellulose/nitrogen-doped graphene oxide quantum dot-based membrane fluorescent probes for aggregation-induced detection of iron ions. <i>Cellulose</i> , 2019, 26, 6073-6086.	4.9	14
43	Deposition of polytetrafluoroethylene nanoparticles on graphene oxide/polyester fabrics for oil adsorption. <i>Surface Engineering</i> , 2019, 35, 426-434.	2.2	14
44	Mechanically-reinforced 3D scaffold constructed by silk nonwoven fabric and silk fibroin sponge. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 196, 111361.	5.0	14
45	Fabrication and characterization of polyamide6-room temperature ionic liquid (PA6-RTIL) composite nanofibers by electrospinning. <i>Fibers and Polymers</i> , 2013, 14, 1614-1619.	2.1	13
46	Development of a DNAzyme-based colorimetric biosensor assay for dual detection of Cd ²⁺ and Hg ²⁺ . <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 7081-7091.	3.7	12
47	Sol-Gel Synthesis of Carbon Xerogel-ZnO Composite for Detection of Catechol. <i>Materials</i> , 2016, 9, 282.	2.9	11
48	Preparation of self-clustering highly oriented nanofibers by needleless electrospinning methods. <i>Fibers and Polymers</i> , 2016, 17, 1414-1420.	2.1	11
49	Microwave-Induced Thermal Treatment of Petroleum Hydrocarbon-Contaminated Soil. <i>Soil and Sediment Contamination</i> , 2008, 17, 486-496.	1.9	10
50	Leaky Rectangular Waveguide With Circular Polarization Property. <i>IEEE Transactions on Antennas and Propagation</i> , 2015, 63, 5098-5101.	5.1	10
51	Overexpression of PtDefensin enhances resistance to <i>Septotia populiperda</i> in transgenic poplar. <i>Plant Science</i> , 2020, 292, 110379.	3.6	10
52	Characterization, expression profiling, and functional analysis of a <i>Populus trichocarpa</i> defensin gene and its potential as an anti- <i>Agrobacterium</i> rooting medium additive. <i>Scientific Reports</i> , 2019, 9, 15359.	3.3	9
53	Genome-Wide Characterization of Dirigent Proteins in <i>Populus</i> : Gene Expression Variation and Expression Pattern in Response to <i>Marssonina brunnea</i> and Phytohormones. <i>Forests</i> , 2021, 12, 507.	2.1	9
54	Natural attenuation characteristics and comprehensive toxicity changes of C9 aromatics under simulated marine conditions. <i>Journal of Environmental Sciences</i> , 2021, 109, 26-35.	6.1	9

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55	Characterization, expression, and functional analysis of the pathogenesis-related gene PtDIR11 in transgenic poplar. <i>International Journal of Biological Macromolecules</i> , 2022, 210, 182-195.	7.5	9
56	Identification and Characterization of an OSH1 Thiol Reductase from <i>Populus trichocarpa</i> . <i>Cells</i> , 2020, 9, 76.	4.1	8
57	Laccase Biosensor Based on Ag-Doped TiO ₂ Nanoparticles on CuCNFs for the Determination of Hydroquinone. <i>Nano</i> , 2016, 11, 1650132.	1.0	7
58	Supramolecular Gel-Templated In Situ Synthesis and Assembly of CdS Quantum Dots Gels. <i>Nanoscale Research Letters</i> , 2017, 12, 30.	5.7	6
59	Preparation and Characterization of PTFE/PI Nanofiber Composite Assembled Sponges. <i>Fibers and Polymers</i> , 2021, 22, 664-675.	2.1	6
60	Genome-Wide Evolution and Comparative Analysis of Superoxide Dismutase Gene Family in Cucurbitaceae and Expression Analysis of <i>Lagenaria siceraria</i> Under Multiple Abiotic Stresses. <i>Frontiers in Genetics</i> , 2021, 12, 784878.	2.3	6
61	Asymmetric Synthesis of Oxa ϵ -Bridged Oxazocines through a Catalytic Rh ^{II} /Zn ^{II} Relay [4+3] Cycloaddition Reaction. <i>Angewandte Chemie</i> , 2019, 131, 18609-18613.	2.0	5
62	Overexpression of PtAnnexin1 from <i>Populus trichocarpa</i> enhances salt and drought tolerance in transgenic poplars. <i>Tree Genetics and Genomes</i> , 2020, 16, 1.	1.6	4
63	The preparation of electrospun PVDF/TBAC multi morphology nanofiber membrane and its application in direct contact membrane distillation. <i>Macromolecular Rapid Communications</i> , 2021, , 2100286.	3.9	4
64	Reusable Surface-Modified Bacterial Cellulose Based on Atom Transfer Radical Polymerization Technology with Excellent Catalytic Properties. <i>Nanomaterials</i> , 2019, 9, 1443.	4.1	3
65	Effects of Bt-Cry1Ah1 Transgenic Poplar on Target and Non-Target Pests and Their Parasitic Natural Enemy in Field and Laboratory Trials. <i>Forests</i> , 2020, 11, 1255.	2.1	3
66	Isotope Constraints on the Sources of Particulate Organic Carbon in a Subtropical Deep Reservoir. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005240.	3.0	2
67	Genome-Wide and Comprehensive Analysis of the Multiple Stress-Related CAF1 (CCR4-Associated Factor) Tj ETQq _{1,1} 0.7843 ₁₄ rgBT _{3,5} ₂		
68	Enhanced biodegradation of para-xylene by the marine cryptophyte <i>Rhodomonas</i> sp. JZB-2 by changing the concentrations of nutrients, iron, and vitamins. <i>Journal of Applied Phycology</i> , 0, , .	2.8	2
69	A directional liquid-transfer nonwoven for skin tissue engineering. <i>Journal of Controlled Release</i> , 2015, 213, e18-e19.	9.9	1
70	Graphene Oxide/Polyester Fabric Composite by Electrostatic Self-Assembly as a New Recyclable Adsorbent for the Removal of Methylene Blue. <i>Fibers and Polymers</i> , 2018, 19, 1726-1734.	2.1	1
71	Electrospun MnCo ₂ O ₄ /C composite nanofibers as anodes with improved lithium storage performance. <i>Ionics</i> , 2020, 26, 1229-1238.	2.4	1
72	Reconfigurable Design for Automatic Visual Inspection by Extension Theory. , 2010, , .		0

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73	DMSO concentration estimation from a diffusion model of PAN-based carbon fibers. , 2017, , .		0
74	Intermediates formed during natural attenuation of C9 aromatics under simulated marine conditions: Identification, transformation pathway, and toxicity to microalgae. Environmental Research, 2022, 206, 112558.	7.5	0