# Dawei Li

## List of Publications by Year in descending order

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| 74 | 1,722 | 257450 24 | 315739 38 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 74 | 74 | 74 | 2554 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | Characterization, expression, and functional analysis of the pathogenesis-related gene PtDIR11 in transgenic poplar. International Journal of Biological Macromolecules, 2022, 210, 182-195. | 7.5 | 9 |
| 3 | PSegNet: Simultaneous Semantic and Instance Segmentation for Point Clouds of Plants. Plant Phenomics, 2022, 2022, . | 5.9 | 17 |
| 4 | Mussel-inspired double cross-linked hydrogels with desirable mechanical properties, strong tissue-adhesiveness, self-healing properties and antibacterial properties. Materials Science and Engineering C, 2021, 120, 111690. | 7.3 | 18 |
| 5 | Preparation and Characterization of PTFE/PI Nanofiber Composite Assembled Sponges. Fibers and Polymers, 2021, 22, 664-675. | 2.1 | 6 |
| 6 | A plant-inspired long-lasting adhesive bilayer nanocomposite hydrogel based on redox-active Ag/Tannic acid-Cellulose nanofibers. Carbohydrate Polymers, 2021, 255, 117508. | 10.2 | 77 |
| 7 | Genome-Wide Characterization of Dirigent Proteins in Populus: Gene Expression Variation and Expression Pattern in Response to Marssonina brunnea and Phytohormones. Forests, 2021, 12, 507. | 2.1 | 9 |
| 8 | Genome-Wide and Comprehensive Analysis of the Multiple Stress-Related CAF1 (CCR4-Associated Factor) Tj ETQq0 0 0 rgBT /Overlock 1 | 3.5 | 2 |
| 9 | Plant Secondary Metabolites with an Overview of Populus. International Journal of Molecular Sciences, 2021, 22, 6890. | 4.1 | 19 |
| 10 | The preparation of electrospun PVDF/TBAC multi morphology nanofiber membrane and its application in direct contact membrane distillation. Macromolecular Rapid Communications, 2021, , 2100286. | 3.9 | 4 |
| 11 | Preparation of Centella asiatica loaded gelatin/chitosan/nonwoven fabric composite hydrogel wound dressing with antibacterial property. International Journal of Biological Macromolecules, 2021, 192, 350-359. | 7.5 | 23 |
| 12 | Development of a DNAzyme-based colorimetric biosensor assay for dual detection of Cd2+ and Hg2+. Analytical and Bioanalytical Chemistry, 2021, 413, 7081-7091. | 3.7 | 12 |
| 13 | Natural attenuation characteristics and comprehensive toxicity changes of C9 aromatics under simulated marine conditions. Journal of Environmental Sciences, 2021, 109, 26-35. | 6.1 | 9 |
| 14 | Genome-Wide Evolution and Comparative Analysis of Superoxide Dismutase Gene Family in Cucurbitaceae and Expression Analysis of Lagenaria siceraria Under Multiple Abiotic Stresses. Frontiers in Genetics, 2021, 12, 784878. | 2.3 | 6 |
| 15 | Identification and Characterization of an OSH1 Thiol Reductase from Populus trichocarpa. Cells, 2020, 9, 76. | 4.1 | 8 |
| 16 | Isotope Constraints on the Sources of Particulate Organic Carbon in a Subtropical Deep Reservoir. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2019JG005240. | 3.0 | 2 |
| 17 | Overexpression of PtDefensin enhances resistance to Septotis populiperda in transgenic poplar. Plant Science, 2020, 292, 110379. | 3.6 | 10 |
| 18 | Electrospun MnCo2O4/C composite nanofibers as anodes with improved lithium storage performance. Ionics, 2020, 26, 1229-1238. | 2.4 | 1 |

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|---|---|---|---|
| 19 | A laccase based biosensor on AuNPs-MoS2 modified glassy carbon electrode for catechol detection. Colloids and Surfaces B: Biointerfaces, 2020, 186, 110683. | 5.0 | 58 |
| 20 | A Dualâ€Mode Wearable Sensor Based on Bacterial Cellulose Reinforced Hydrogels for Highly Sensitive Strain/Pressure Sensing. Advanced Electronic Materials, 2020, 6, 1900934. | 5.1 | 83 |
| 21 | Fabrication of Multilayered Nanofiber Scaffolds with a Highly Aligned Nanofiber Yarn for Anisotropic Tissue Regeneration. ACS Omega, 2020, 5, 24340-24350. | 3.5 | 24 |
| 22 | Mechanically-reinforced 3D scaffold constructed by silk nonwoven fabric and silk fibroin sponge. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111361. | 5.0 | 14 |
| 23 | Effects of Bt-Cry1Ah1 Transgenic Poplar on Target and Non-Target Pests and Their Parasitic Natural Enemy in Field and Laboratory Trials. Forests, 2020, 11, 1255. | 2.1 | 3 |
| 24 | FeNi alloy nanoparticles embedded in electrospun nitrogen-doped carbon fibers for efficient oxygen evolution reaction. Journal of Colloid and Interface Science, 2020, 578, 805-813. | 9.4 | 33 |
| 25 | Hierarchical porous nanofibers containing thymol/beta-cyclodextrin: Physico-chemical characterization and potential biomedical applications. Materials Science and Engineering C, 2020, 115, 111155. | 7.3 | 40 |
| 26 | Insight into light-driven antibacterial cotton fabrics decorated by in situ growth strategy. Journal of Colloid and Interface Science, 2020, 579, 233-242. | 9.4 | 29 |
| 27 | Asymmetric Synthesis of Axially Chiral Anilides via Organocatalytic Atroposelective N-Acylation. Organic Letters, 2020, 22, 5331-5336. | 4.6 | 31 |
| 28 | Overexpression of PtAnnexin1 from Populus trichocarpa enhances salt and drought tolerance in transgenic poplars. Tree Genetics and Genomes, 2020, 16, 1. | 1.6 | 4 |
| 29 | Bimetallic Catalytic Tandem Reaction of Acyclic Enynones: Enantioselective Access to Tetrahydrobenzofuran Derivatives. Organic Letters, 2020, 22, 3551-3556. | 4.6 | 22 |
| 30 | Strategies to Increase On-Target and Reduce Off-Target Effects of the CRISPR/Cas9 System in Plants. International Journal of Molecular Sciences, 2019, 20, 3719. | 4.1 | 61 |
| 31 | An Overlapping-Free Leaf Segmentation Method for Plant Point Clouds. IEEE Access, 2019, 7, 129054-129070. | 4.2 | 27 |
| 32 | Reusable Surface-Modified Bacterial Cellulose Based on Atom Transfer Radical Polymerization Technology with Excellent Catalytic Properties. Nanomaterials, 2019, 9, 1443. | 4.1 | 3 |
| 33 | Asymmetric Synthesis of Oxaâ€Bridged Oxazocines through a Catalytic Rh<sup>II</sup>/Zn<sup>II</sup> Relay [4+3] Cycloaddition Reaction. Angewandte Chemie, 2019, 131, 18609-18613. | 2.0 | 5 |
| 34 | Characterization, expression profiling, and functional analysis of a Populus trichocarpa defensin gene and its potential as an anti-Agrobacterium rooting medium additive. Scientific Reports, 2019, 9, 15359. | 3.3 | 9 |
| 35 | Asymmetric Synthesis of Oxaâ€Bridged Oxazocines through a Catalytic Rh<sup>II</sup>/Zn<sup>II</sup> Relay [4+3] Cycloaddition Reaction. Angewandte Chemie - International Edition, 2019, 58, 18438-18442. | 13.8 | 34 |
| 36 | Evaluation, characterization, expression profiling, and functional analysis of DXS and DXR genes of Populus trichocarpa. Plant Physiology and Biochemistry, 2019, 142, 94-105. | 5.8 | 30 |

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|---|---|---|---|
| 37 | In situ 3D bacterial cellulose/nitrogen-doped graphene oxide quantum dot-based membrane fluorescent probes for aggregation-induced detection of iron ions. Cellulose, 2019, 26, 6073-6086. | 4.9 | 14 |
| 38 | Facile fabrication and characterization on alginate microfibres with grooved structure via microfluidic spinning. Royal Society Open Science, 2019, 6, 181928. | 2.4 | 20 |
| 39 | Overexpression of PtDXS Enhances Stress Resistance in Poplars. International Journal of Molecular Sciences, 2019, 20, 1669. | 4.1 | 20 |
| 40 | Enantioselective Synthesis of 4-Hydroxy-dihydrocoumarins via Catalytic Ring Opening/Cycloaddition of Cyclobutenones. Organic Letters, 2019, 21, 2388-2392. | 4.6 | 16 |
| 41 | A multifunctional and highly stretchable electronic device based on silver nanowire/wrap yarn composite for a wearable strain sensor and heater. Journal of Materials Chemistry C, 2019, 7, 13468-13476. | 5.5 | 69 |
| 42 | Characterization and Function of 3-Hydroxy-3-Methylglutaryl-CoA Reductase in Populus trichocarpa: Overexpression of PtHMGR Enhances Terpenoids in Transgenic Poplar. Frontiers in Plant Science, 2019, 10, 1476. | 3.6 | 25 |
| 43 | Deposition of polytetrafluoroethylene nanoparticles on graphene oxide/polyester fabrics for oil adsorption. Surface Engineering, 2019, 35, 426-434. | 2.2 | 14 |
| 44 | Free-standing TiO2â€“SiO2/PANI composite nanofibers for ammonia sensors. Journal of Materials Science: Materials in Electronics, 2018, 29, 3576-3583. | 2.2 | 19 |
| 45 | Graphene Oxide/Polyester Fabric Composite by Electrostatic Self-Assembly as a New Recyclable Adsorbent for the Removal of Methylene Blue. Fibers and Polymers, 2018, 19, 1726-1734. | 2.1 | 1 |
| 46 | Supramolecular Gel-Templated In Situ Synthesis and Assembly of CdS Quantum Dots Gels. Nanoscale Research Letters, 2017, 12, 30. | 5.7 | 6 |
| 47 | Tin nanoparticles embedded in ordered mesoporous carbon as high-performance anode for sodium-ion batteries. Journal of Solid State Electrochemistry, 2017, 21, 1385-1395. | 2.5 | 23 |
| 48 | Carbonâ€Coated Magnesium Ferrite Nanofibers for Lithiumâ€Ion Battery Anodes with Enhanced Cycling Performance. Energy Technology, 2017, 5, 1364-1372. | 3.8 | 22 |
| 49 | Wintersweet Branchâ€Like C/C@SnO<sub>2</sub>/MoS<sub>2</sub> Nanofibers as Highâ€Performance Li and Naâ€Ion Battery Anodes. Particle and Particle Systems Characterization, 2017, 34, 1700295. | 2.3 | 15 |
| 50 | DMSO concentration estimation from a diffusion model of PAN-based carbon fibers. , 2017, , . | | 0 |
| 51 | Sol-Gel Synthesis of Carbon Xerogel-ZnO Composite for Detection of Catechol. Materials, 2016, 9, 282. | 2.9 | 11 |
| 52 | Preparation of Pd/Bacterial Cellulose Hybrid Nanofibers for Dopamine Detection. Molecules, 2016, 21, 618. | 3.8 | 32 |
| 53 | Laccase Biosensor Based on Ag-Doped TiO2 Nanoparticles on CuCNFs for the Determination of Hydroquinone. Nano, 2016, 11, 1650132. | 1.0 | 7 |
| 54 | Preparation of bacterial cellulose/carbon nanotube nanocomposite for biological fuel cell. Fibers and Polymers, 2016, 17, 1858-1865. | 2.1 | 14 |

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|---|---|---|---|
| 55 | Preparation of self-clustering highly oriented nanofibers by needleless electrospinning methods. Fibers and Polymers, 2016, 17, 1414-1420. | 2.1 | 11 |
| 56 | A directional liquid-transfer nonwoven for skin tissue engineering. Journal of Controlled Release, 2015, 213, e18-e19. | 9.9 | 1 |
| 57 | NiCu Alloy Nanoparticle-Loaded Carbon Nanofibers for Phenolic Biosensor Applications. Sensors, 2015, 15, 29419-29433. | 3.8 | 26 |
| 58 | Preparation of a graphene-loaded carbon nanofiber composite with enhanced graphitization and conductivity for biosensing applications. RSC Advances, 2015, 5, 30602-30609. | 3.6 | 15 |
| 59 | A multi-layered vascular scaffold with symmetrical structure by bi-directional gradient electrospinning. Colloids and Surfaces B: Biointerfaces, 2015, 133, 179-188. | 5.0 | 52 |
| 60 | Leaky Rectangular Waveguide With Circular Polarization Property. IEEE Transactions on Antennas and Propagation, 2015, 63, 5098-5101. | 5.1 | 10 |
| 61 | Dexamethasone loaded coreâ€“shell SF/PEO nanofibers via green electrospinning reduced endothelial cells inflammatory damage. Colloids and Surfaces B: Biointerfaces, 2015, 126, 561-568. | 5.0 | 56 |
| 62 | Laccase Biosensor Based on Electrospun Copper/Carbon Composite Nanofibers for Catechol Detection. Sensors, 2014, 14, 3543-3556. | 3.8 | 61 |
| 63 | Direct electrochemistry of laccase and a hydroquinone biosensing application employing ZnO loaded carbon nanofibers. RSC Advances, 2014, 4, 61831-61840. | 3.6 | 14 |
| 64 | Amperometric detection of hydrogen peroxide using a nanofibrous membrane sputtered with silver. RSC Advances, 2014, 4, 3857-3863. | 3.6 | 21 |
| 65 | Novel Phenolic Biosensor Based on a Magnetic Polydopamine-Laccase-Nickel Nanoparticle Loaded Carbon Nanofiber Composite. ACS Applied Materials & Interfaces, 2014, 6, 5144-5151. | 8.0 | 117 |
| 66 | Laccase Immobilized on a PAN/Adsorbents Composite Nanofibrous Membrane for Catechol Treatment by a Biocatalysis/Adsorption Process. Molecules, 2014, 19, 3376-3388. | 3.8 | 56 |
| 67 | Thermal and mechanical properties of nanofibers-based form-stable PCMs consisting of glycerol monostearate and polyethylene terephthalate. Journal of Thermal Analysis and Calorimetry, 2013, 114, 101-111. | 3.6 | 18 |
| 68 | Electrospun form-stable phase change composite nanofibers consisting of capric acid-based binary fatty acid eutectics and polyethylene terephthalate. Fibers and Polymers, 2013, 14, 89-99. | 2.1 | 41 |
| 69 | Fabrication and characterization of polyamide6-room temperature ionic liquid (PA6-RTIL) composite nanofibers by electrospinning. Fibers and Polymers, 2013, 14, 1614-1619. | 2.1 | 13 |
| 70 | Reconfigurable Design for Automatic Visual Inspection by Extension Theory. , 2010, , . | | 0 |
| 71 | Development of a sensitive and groupâ€specific polyclonal antibodyâ€based enzymeâ€linked immunosorbent assay (ELISA) for detection of malachite green and leucomalachite green in water and fish samples. Journal of the Science of Food and Agriculture, 2009, 89, 2165-2173. | 3.5 | 55 |
| 72 | A sensitive immunochromatographic assay using colloidal goldâ€“antibody probe for rapid detection of pharmaceutical indomethacin in water samples. Biosensors and Bioelectronics, 2009, 24, 2277-2280. | 10.1 | 73 |

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| 73 | Microwave-Induced Thermal Treatment of Petroleum Hydrocarbon-Contaminated Soil. Soil and Sediment Contamination, 2008, 17, 486-496. | 1.9 | 10 |
| 74 | Enhanced biodegradation of para-xylene by the marine cryptophyte Rhodomonas sp. JZB-2 by changing the concentrations of nutrients, iron, and vitamins. Journal of Applied Phycology, 0, , . | 2.8 | 2 |