

Wei Yang

List of Publications by Year in descending order

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105
papers

2,690
citations

201674

27
h-index

214800

47
g-index

108
all docs

108
docs citations

108
times ranked

3459
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Origin of the enhanced open-circuit voltage in polymer solar cells via interfacial modification using conjugated polyelectrolytes. <i>Journal of Materials Chemistry</i> , 2010, 20, 2617. | 6.7 | 222 |
| 2 | An R2R3MYB transcription factor represses the transformation of β - and γ -branch carotenoids by negatively regulating expression of <i>CrbCH2</i> and <i>CrNCED5</i> in flavedo of <i>Citrus reticulata</i> . <i>New Phytologist</i> , 2017, 216, 178-192. | 7.3 | 145 |
| 3 | Source to sink relations between the Tian Shan and Junggar Basin (northwest China) from Late Palaeozoic to Quaternary: evidence from detrital U-Pb zircon geochronology. <i>Basin Research</i> , 2013, 25, 219-240. | 2.7 | 130 |
| 4 | Enhanced open-circuit voltage in polymer solar cells. <i>Applied Physics Letters</i> , 2009, 95, . | 3.3 | 124 |
| 5 | Chiral Nickel(II) Complex Catalyzed Enantioselective Doyle-Kirmse Reaction of β -Diazo Pyrazoleamides. <i>Journal of the American Chemical Society</i> , 2018, 140, 3299-3305. | 13.7 | 113 |
| 6 | Cancer risk of polycyclic aromatic hydrocarbons (PAHs) in the soils from Jiaozhou Bay wetland. <i>Chemosphere</i> , 2014, 112, 289-295. | 8.2 | 112 |
| 7 | Effect of microplastics on ecosystem functioning: Microbial nitrogen removal mediated by benthic invertebrates. <i>Science of the Total Environment</i> , 2021, 754, 142133. | 8.0 | 68 |
| 8 | Cracking Process and Stress Field Evolution in Specimen Containing Combined Flaw Under Uniaxial Compression. <i>Rock Mechanics and Rock Engineering</i> , 2016, 49, 3095-3113. | 5.4 | 67 |
| 9 | Coal Permeability Evolution and Gas Migration Under Non-equilibrium State. <i>Transport in Porous Media</i> , 2017, 118, 393-416. | 2.6 | 63 |
| 10 | Source contributions of PAHs and toxicity in reed wetland soils of Liaohe estuary using a CMB-TEQ method. <i>Science of the Total Environment</i> , 2014, 490, 199-204. | 8.0 | 61 |
| 11 | Gastro-protective effect of edible plant <i>Artemisia argyi</i> in ethanol-induced rats via normalizing inflammatory responses and oxidative stress. <i>Journal of Ethnopharmacology</i> , 2018, 214, 207-217. | 4.1 | 59 |
| 12 | Clock Gene <i>Bmal1</i> Modulates Human Cartilage Gene Expression by Crosstalk With <i>Sirt1</i> . <i>Endocrinology</i> , 2016, 157, 3096-3107. | 2.8 | 56 |
| 13 | Novel light-emitting electrophosphorescent copolymers based on carbazole with an Ir complex on the backbone. <i>Journal of Materials Chemistry</i> , 2007, 17, 2824. | 6.7 | 55 |
| 14 | Novel green-light-emitting hyperbranched polymers with iridium complex as core and 3,6-carbazole-co-2,6-pyridine unit as branch. <i>Journal of Materials Chemistry</i> , 2009, 19, 531-537. | 6.7 | 53 |
| 15 | Asymmetric Catalytic [2,3]-Stevens and Sommelet-Hauser Rearrangements of β -Diazo Pyrazoleamides with Sulfides. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13492-13498. | 13.8 | 52 |
| 16 | Molecular design of efficient white-light-emitting fluorene-based copolymers by mixing singlet and triplet emission. <i>Journal of Polymer Science Part A</i> , 2008, 46, 453-463. | 2.3 | 49 |
| 17 | Rh(III)-Catalyzed Diastereoselective Annulation of Amides with Quinone Monoacetals: Access to Bridged Nine-Membered Heterocycles via C-H Activation. <i>Organic Letters</i> , 2017, 19, 616-619. | 4.6 | 43 |
| 18 | Enantioselective Formal Vinyllogous N-H Insertion of Secondary Aliphatic Amines Catalyzed by a High-Spin Cobalt(II) Complex. <i>Journal of the American Chemical Society</i> , 2021, 143, 9648-9656. | 13.7 | 41 |

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|----|---|------|-----------|
| 19 | Comparison of machine learning algorithms for soil salinity predictions in three dryland oases located in Xinjiang Uyghur Autonomous Region (XJUAR) of China. <i>European Journal of Remote Sensing</i> , 2019, 52, 256-276. | 3.5 | 40 |
| 20 | A NAC transcription factor and its interaction protein hinder abscisic acid biosynthesis by synergistically repressing NCED5 in <i>Citrus reticulata</i> . <i>Journal of Experimental Botany</i> , 2020, 71, 3613-3625. | 4.8 | 39 |
| 21 | Oligocene clockwise rotations along the eastern Pamir: Tectonic and paleogeographic implications. <i>Tectonics</i> , 2014, 33, 53-66. | 2.8 | 38 |
| 22 | Carcinogenic and mutagenic potencies for different PAHs sources in coastal sediments of Shandong Peninsula. <i>Marine Pollution Bulletin</i> , 2014, 84, 418-423. | 5.0 | 36 |
| 23 | Fixed-time trajectory following for quadrotors via output feedback. <i>ISA Transactions</i> , 2021, 110, 213-224. | 5.7 | 36 |
| 24 | An integrated technology for gas control and green mining in deep mines based on ultra-thin seam mining. <i>Environmental Earth Sciences</i> , 2017, 76, 1. | 2.7 | 32 |
| 25 | Genome-wide identification and expression analysis of the BTB domain-containing protein gene family in tomato. <i>Genes and Genomics</i> , 2018, 40, 1-15. | 1.4 | 32 |
| 26 | Fluorene-Based Single-Chain Copolymers for Color-Stable White Light-Emitting Diodes. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 988-993. | 2.2 | 29 |
| 27 | Carboxymethylated hyperbranched polysaccharide: Synthesis, solution properties, and fabrication of hydrogel. <i>Carbohydrate Polymers</i> , 2015, 128, 179-187. | 10.2 | 29 |
| 28 | Hybrid de-noising approach for fiber optic gyroscopes combining improved empirical mode decomposition and forward linear prediction algorithms. <i>Review of Scientific Instruments</i> , 2016, 87, 033305. | 1.3 | 29 |
| 29 | Genome-wide identification and functional analysis of S-RNase involved in the self-incompatibility of citrus. <i>Molecular Genetics and Genomics</i> , 2017, 292, 325-341. | 2.1 | 29 |
| 30 | Characteristics and evolution of pyrobitumen-hosted pores of the overmature Lower Cambrian Shuijingtuo Shale in the south of Huangling anticline, Yichang area, China: Evidence from FE-SEM petrography. <i>Marine and Petroleum Geology</i> , 2020, 116, 104303. | 3.3 | 27 |
| 31 | Mechanical Evolution Mechanism of Coal and Gas Outburst. <i>Rock Mechanics and Rock Engineering</i> , 2019, 52, 1591-1597. | 5.4 | 26 |
| 32 | Models of shale gas storage capacity during burial and uplift: Application to Wufeng-Longmaxi shales in the Fuling shale gas field. <i>Marine and Petroleum Geology</i> , 2019, 109, 233-244. | 3.3 | 26 |
| 33 | Chiral Cobalt(II) Complex Catalyzed Asymmetric [2,3]-Sigmatropic Rearrangement of Allylic Selenides with $\hat{\pm}$ -Diazo Pyrazoleamides. <i>CCS Chemistry</i> , 2021, 3, 1423-1433. | 7.8 | 26 |
| 34 | Potential anti-gout constituents as xanthine oxidase inhibitor from the fruits of <i>Stauntonia brachyanthera</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 3562-3566. | 3.0 | 25 |
| 35 | Enantioselective carbene insertion into the N-H bond of benzophenone imine. <i>Chemical Science</i> , 2019, 10, 10305-10309. | 7.4 | 25 |
| 36 | Influence of Geo-stress on Dynamic Response Characteristics of Coal and Gas Outburst. <i>Rock Mechanics and Rock Engineering</i> , 2020, 53, 4819-4837. | 5.4 | 24 |

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|----|--|------|-----------|
| 37 | Xestospongín C, a Reversible IP3 Receptor Antagonist, Alleviates the Cognitive and Pathological Impairments in APP/PS1 Mice of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2019, 72, 1217-1231. | 2.6 | 23 |
| 38 | AVP(4-8) Improves Cognitive Behaviors and Hippocampal Synaptic Plasticity in the APP/PS1 Mouse Model of Alzheimer's Disease. <i>Neuroscience Bulletin</i> , 2020, 36, 254-262. | 2.9 | 23 |
| 39 | Experimental Analysis of the Dynamic Effects of Coal Gas Outburst and a Protean Contraction and Expansion Flow Model. <i>Natural Resources Research</i> , 2020, 29, 1617-1637. | 4.7 | 23 |
| 40 | The upconversion and enhanced visible light photocatalytic activity of Er ³⁺ -doped tetragonal BiVO ₄ . <i>RSC Advances</i> , 2015, 5, 7324-7329. | 3.6 | 22 |
| 41 | Tandem 13-Lipoxygenase Genes in a Cluster Confers Yellow-Green Leaf in Cucumber. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3102. | 4.1 | 22 |
| 42 | Nickel-catalyzed asymmetric thio-Claisen rearrangement of β -diazo pyrazoleamides with thioindoles. <i>Chemical Communications</i> , 2020, 56, 10002-10005. | 4.1 | 21 |
| 43 | Diagnostic Ratios and Positive Matrix Factorization to Identify Potential Sources of PAHS in Sediments of the Rizhao Offshore, China. <i>Polycyclic Aromatic Compounds</i> , 2013, 33, 161-172. | 2.6 | 20 |
| 44 | A novel bioscaffold with naturally-occurring extracellular matrix promotes hepatocyte survival and vessel patency in mouse models of heterologous transplantation. <i>Biomaterials</i> , 2018, 177, 52-66. | 11.4 | 19 |
| 45 | An Epidemic Model of Computer Worms with Time Delay and Variable Infection Rate. <i>Security and Communication Networks</i> , 2018, 2018, 1-11. | 1.5 | 17 |
| 46 | 5-Formyluracil as a Multifunctional Building Block in Biosensor Designs. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9689-9693. | 13.8 | 17 |
| 47 | Porosity characteristics of different lithofacies in marine shale: A case study of Neoproterozoic Sinian Doushantuo formation in Yichang area, China. <i>Journal of Petroleum Science and Engineering</i> , 2020, 187, 106856. | 4.2 | 17 |
| 48 | Improving ablation properties of ceramifiable vitreous silica fabric reinforced boron phenolic resin composites via an incorporation of MoSi ₂ . <i>Plastics, Rubber and Composites</i> , 2020, 49, 456-469. | 2.0 | 17 |
| 49 | Asymmetric responses of spatial variation of different communities to a salinity gradient in coastal wetlands. <i>Marine Environmental Research</i> , 2020, 158, 105008. | 2.5 | 17 |
| 50 | Role of Arrival Time Difference Between Lesions and Lung Tissue on Contrast-Enhanced Sonography in the Differential Diagnosis of Subpleural Pulmonary Lesions. <i>Journal of Ultrasound in Medicine</i> , 2016, 35, 1523-1532. | 1.7 | 16 |
| 51 | New Apatite Fission Track Ages of the Western Kuqa Depression: Implications for the Mesozoic-Cenozoic Tectonic Evolution of South Tianshan, Xinjiang. <i>Acta Geologica Sinica</i> , 2017, 91, 396-413. | 1.4 | 16 |
| 52 | Facile Preparation of Linear Polyurethane from UPy-Capped Poly(ϵ -Lactid Acid) Macrodiol. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800491. | 3.6 | 15 |
| 53 | Maturity Assessment of the Lower Cambrian and Sinian Shales Using Multiple Technical Approaches. <i>Journal of Earth Science (Wuhan, China)</i> , 2021, 32, 1262-1277. | 3.2 | 14 |
| 54 | Novel Red Light-Emitting Fluorene-Carbazole Copolymers with Carbazole Cyclometalated Ir Complexes. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 457-466. | 2.2 | 13 |

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|----|---|------|-----------|
| 55 | Remodeling of myocardial energy and metabolic homeostasis in a sheep model of persistent atrial fibrillation. <i>Biochemical and Biophysical Research Communications</i> , 2019, 517, 8-14. | 2.1 | 13 |
| 56 | Holistic suitability for regional biomass power generation development in China: An application of matter-element extension model. <i>Journal of Environmental Management</i> , 2020, 276, 111294. | 7.8 | 13 |
| 57 | Air movement preferences observed in naturally ventilated buildings in humid subtropical climate zone in China. <i>International Journal of Biometeorology</i> , 2009, 53, 563-573. | 3.0 | 12 |
| 58 | Enhanced photocatalytic of N/F-doped-NaTaO ₃ photocatalyst synthesized by hydrothermal method. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 3807-3815. | 2.2 | 12 |
| 59 | MgAl monolayer hydrotalcite increases the hypoglycemic effect of berberine by enhancing its oral bioavailability. <i>Biomedicine and Pharmacotherapy</i> , 2020, 127, 110140. | 5.6 | 12 |
| 60 | Preclinical pharmacodynamic evaluation of a new Src/FOSL1 inhibitor, LY411816, in pancreatic ductal adenocarcinoma. <i>Cancer Science</i> , 2019, 110, 1408-1419. | 3.9 | 11 |
| 61 | Pore characteristics of the lower Sinian Doushantuo Shale in the Mid-Yangtze Yichang area of China: Insights into a distinct shale gas reservoir in the Neoproterozoic formation. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 73, 103085. | 4.4 | 11 |
| 62 | The β Phase of Isotactic Polypropylene in TPVs Based on PP/EPDM. <i>Journal of Macromolecular Science - Physics</i> , 2007, 46, 841-852. | 1.0 | 10 |
| 63 | Effect of β - and γ -nucleating agents on the fracture behavior of polypropylene/ethylene. <i>Journal of Applied Polymer Science</i> , 2008, 108, 591-597. | 2.6 | 10 |
| 64 | Asymmetric Catalytic [2,3]-Stevens and Sommelet-Hauser Rearrangements of α -Diazo Pyrazoleamides with Sulfides. <i>Angewandte Chemie</i> , 2019, 131, 13626-13632. | 2.0 | 10 |
| 65 | Study of Effects of Hard Thick Roof on Gas Migration and Field Experiment of Roof Artificially Guided Pre-splitting for Efficient Gas Control. <i>Natural Resources Research</i> , 2020, 29, 1819-1841. | 4.7 | 10 |
| 66 | A safe mining approach for deep outburst coal seam groups with hard thick sandstone roof: Stepwise risk control based on gas diversion and extraction. <i>Energy Science and Engineering</i> , 2020, 8, 2946-2965. | 4.0 | 10 |
| 67 | Dam operation altered profiles of per- and polyfluoroalkyl substances in reservoir. <i>Journal of Hazardous Materials</i> , 2020, 393, 122523. | 12.4 | 10 |
| 68 | Ecological Risk and Health Risk Assessment of Dioxin-like PCBs in Liaohe Estuarine Wetland Soils, China. <i>Polycyclic Aromatic Compounds</i> , 2014, 34, 425-438. | 2.6 | 9 |
| 69 | Joint Uplink and Downlink Relay Selection in Cooperative Cellular Networks. , 2010, , . | | 8 |
| 70 | Highly efficient pure white polymer light-emitting devices based on poly(N-vinylcarbazole) doped with blue and red phosphorescent dyes. <i>Science China Chemistry</i> , 2011, 54, 671-677. | 8.2 | 8 |
| 71 | Bipolar π -conjugation interrupted host polymers by metal-free superacid-catalyzed polymerization for single-layer electrophosphorescent diodes. <i>RSC Advances</i> , 2014, 4, 50027-50034. | 3.6 | 8 |
| 72 | Cellular RelB interacts with the transactivator Tat and enhance HIV-1 expression. <i>Retrovirology</i> , 2018, 15, 65. | 2.0 | 8 |

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|----|---|-----|-----------|
| 73 | Joint Subcarrier Pairing, Relay Selection and Power Allocation in OFDM Relay Systems. , 2011, , . | | 7 |
| 74 | Effects of hindlimb unloading on neurotrophins in the rat spinal cord and soleus muscle. Brain Research, 2016, 1630, 1-9. | 2.2 | 7 |
| 75 | Cenozoic lacustrine stromatolites from the southern margin of the Junggar Basin, NW China and adjacent areas: indicators for palaeoclimatic and tectonic evolution. Geological Journal, 2017, 52, 249-262. | 1.3 | 7 |
| 76 | Clinical Features of Children with Retinoblastoma and Neuroblastoma. Journal of Ophthalmology, 2020, 2020, 1-8. | 1.3 | 7 |
| 77 | Event-Triggered Output Feedback Control for MEMS Gyroscope With Prescribed Performance. IEEE Access, 2020, 8, 26293-26303. | 4.2 | 6 |
| 78 | Fracture Development Characteristics of Coal under Organic Solvent Erosion and Its Nondestructive Testing Method. Energy & Fuels, 2021, 35, 13788-13800. | 5.1 | 6 |
| 79 | Concentration, Source, and Carcinogenic Risk of PAHs in the Soils from Jiaozhou Bay Wetland. Polycyclic Aromatic Compounds, 2014, 34, 439-451. | 2.6 | 5 |
| 80 | Combination of Assessment Indicators for Policy Support on Water Scarcity and Pollution Mitigation. Water (Switzerland), 2016, 8, 203. | 2.7 | 5 |
| 81 | An Intelligent Human Behavior-Based Reasoning Model for Service Prediction in Smart Home. IEEE Access, 2018, 6, 68535-68544. | 4.2 | 5 |
| 82 | Development and performance tests of an on-the-go detector of soil total nitrogen concentration based on near-infrared spectroscopy. Precision Agriculture, 2021, 22, 1479-1500. | 6.0 | 5 |
| 83 | Paleo-Temperature and -Pressure Characteristics of Fluid Inclusions in Composite Veins of the Doushantuo Shale (Yichang Area, South China): Implications for the Preservation and Enrichment of Shale Gas. Energy & Fuels, 2021, 35, 4091-4105. | 5.1 | 5 |
| 84 | Methane Adsorption Capacities Investigation of the Ediacaran Organic-Rich Doushantuo Shale in the Middle Yangtze Platform, South China. Energy & Fuels, 2021, 35, 16452-16464. | 5.1 | 5 |
| 85 | Supercritical High-Pressure Methane Adsorption on the Lower Cambrian Shujingtuo Shale in the Huangling Anticline Area, South China: Adsorption Behavior, Storage Characteristics, and Geological Implications. Energy & Fuels, 2021, 35, 19973-19985. | 5.1 | 5 |
| 86 | Comparative study on pore structure characteristics of marine and transitional facies shales: A case study of the Upper Permian Longtan Formation and Dalong Formation in the Lower Yangtze area, south China. Journal of Petroleum Science and Engineering, 2022, 215, 110578. | 4.2 | 5 |
| 87 | 5-Formyluracil as a Multifunctional Building Block in Biosensor Designs. Angewandte Chemie, 2018, 130, 9837-9841. | 2.0 | 4 |
| 88 | Pediatric acute myeloid leukemia patients with <i>KMT2A</i> rearrangements: a single-center retrospective study. Hematology, 2022, 27, 583-589. | 1.5 | 4 |
| 89 | Potential anti-inflammation nor-oleanane triterpenoids from the fruits of <i>Stauntonia brachyanthera</i> . Natural Product Research, 2019, 33, 3350-3356. | 1.8 | 3 |
| 90 | Hydrocarbon gas leakage from high-pressure system in the Yanan Sag, Qiongdongnan Basin, South China Sea. Geological Journal, 2021, 56, 5094-5108. | 1.3 | 3 |

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|-----|--|-----|-----------|
| 91 | Linear numerical calculation method for obtaining critical point, pore fluid, and framework parameters of gas-bearing media. Applied Geophysics, 2009, 6, 319-326. | 0.6 | 2 |
| 92 | Research and Implementation of Watershed Segmentation Algorithm Based on CCD Infrared Images. , 2010, , . | | 2 |
| 93 | Development and Application of a Vehicle-Mounted Soil Texture Detector. Sensors, 2020, 20, 7175. | 3.8 | 2 |
| 94 | Evolution of the Pore and Fracture Microstructure Inside Coal Impacted by a High-Voltage Electric Pulse after AlCl ₃ Solution Treatment. Energy & Fuels, 2021, 35, 18484-18494. | 5.1 | 2 |
| 95 | The design and development of computer network quality course website. , 2010, , . | | 1 |
| 96 | Joint relay selection and link adaptation for distributed beamforming in regenerative cooperative networks. , 2010, , . | | 1 |
| 97 | Application of Contrast-Enhanced Sonography for Diagnosis of Space-Occupying Lesions in the Extrahepatic Bile Duct. Journal of Ultrasound in Medicine, 2016, 35, 29-35. | 1.7 | 1 |
| 98 | Long non-coding RNA SNHG1 suppresses cell migration and invasion and upregulates SOCS2 in human gastric carcinoma. Biochemistry and Biophysics Reports, 2021, 27, 101052. | 1.3 | 1 |
| 99 | Method to identify composition and production phases of spring runoff in high-latitude mid-temperate regions: a case study in the Second Songhua River Basin, China. Journal of Water and Climate Change, 2021, 12, 3786-3800. | 2.9 | 1 |
| 100 | Biochemical and functional characterization of two microbial type terpene synthases from moss Stereodon subimponens. Plant Physiology and Biochemistry, 2021, 166, 750-760. | 5.8 | 1 |
| 101 | Experimental study on drill bit torque influenced by artificial specimen mechanical properties and drilling parameters. Arabian Journal of Geosciences, 2022, 15, 1. | 1.3 | 1 |
| 102 | Enhanced Thermal Resistance of Boron Phenolic Composites by Addition of TiSi ₂ Particles. Journal Wuhan University of Technology, Materials Science Edition, 2021, 36, 839-844. | 1.0 | 1 |
| 103 | Relative n-widths of periodic convolution classes with NCVD-kernel and B-kernel. Science China Mathematics, 2010, 53, 165-172. | 1.7 | 0 |
| 104 | Research on CCD Infrared Image Method. , 2010, , . | | 0 |
| 105 | Methodology for Attitudes Precisely Testing of Rolling Projectiles. , 2010, , . | | 0 |