# Wei Chen

## List of Publications by Year
## in descending order

| | | | |
|---|---|---|---|
| 105<br>papers | 6,644<br>citations | 94269<br>37<br>h-index | 66788<br>78<br>g-index |
| 105<br>all docs | 105<br>docs citations | 105<br>times ranked | 10354<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | A Novel Predictive Model in Recognizing Severe COVID-19 and Multiorgan Injuries: Platelet-to-CRP Ratio. Canadian Journal of Infectious Diseases and Medical Microbiology, 2022, 2022, 1-7. | 0.7 | 0 |
| 2 | Virus discharge and initial gastrointestinal involvement are inversely associated with circulating lymphocyte count in COVID-19. International Journal of Medical Sciences, 2021, 18, 1137-1142. | 1.1 | 4 |
| 3 | Development of a hemoptysis risk prediction model for patients following CT-guided transthoracic lung biopsy. BMC Pulmonary Medicine, 2020, 20, 247. | 0.8 | 3 |
| 4 | Plasma CRP level is positively associated with the severity of COVID-19. Annals of Clinical Microbiology and Antimicrobials, 2020, 19, 18. | 1.7 | 201 |
| 5 | Discovery of CDK8/CycC Ligands with a New Virtual Screening Tool. ChemMedChem, 2019, 14, 107-118. | 1.6 | 8 |
| 6 | Si-Ho Tchou: life of a legend from physiology to psychology. Protein and Cell, 2019, 10, 157-160. | 4.8 | 0 |
| 7 | Recent Advances in Machine Learning Methods for Predicting Heat Shock Proteins. Current Drug Metabolism, 2019, 20, 224-228. | 0.7 | 75 |
| 8 | Dynamic split G-quadruplex programmed reversible nanodevice. Chemical Communications, 2019, 55, 389-392. | 2.2 | 17 |
| 9 | The spike weight contribution of the photosynthetic area above the upper internode in a winter wheat under different nitrogen and mulching regimes. Crop Journal, 2019, 7, 89-100. | 2.3 | 20 |
| 10 | Development and Validation of a Prediction Pneumothorax Model in CT-Guided Transthoracic Needle Biopsy for Solitary Pulmonary Nodule. BioMed Research International, 2019, 2019, 1-7. | 0.9 | 7 |
| 11 | Glycosyl triazoles as novel insect $\beta$-N-acetylhexosaminidase OfHex1 inhibitors: Design, synthesis, molecular docking and MD simulations. Bioorganic and Medicinal Chemistry, 2019, 27, 2315-2322. | 1.4 | 10 |
| 12 | Novel hybrid artificial intelligence approach of bivariate statistical-methods-based kernel logistic regression classifier for landslide susceptibility modeling. Bulletin of Engineering Geology and the Environment, 2019, 78, 4397-4419. | 1.6 | 135 |
| 13 | Identification and regulation of the long non-coding RNA Heat2 in heart failure. Journal of Molecular and Cellular Cardiology, 2019, 126, 13-22. | 0.9 | 27 |
| 14 | Targeting the R domain of coagulase by active vaccination protects mice against lethal Staphylococcus aureus infection. Microbes and Infection, 2019, 21, 163-169. | 1.0 | 3 |
| 15 | Cyanobacterial blooms act as sink and source of endocrine disruptors in the third largest freshwater lake in China. Environmental Pollution, 2019, 245, 408-418. | 3.7 | 24 |
| 16 | 3D-Printed MOF-Derived Hierarchically Porous Frameworks for Practical High-Energy Density Li-O$_2$ Batteries. Advanced Functional Materials, 2019, 29, 1806658. | 7.8 | 197 |
| 17 | Identification of discrepancy between CTLA4 expression and CTLA4 activation in gastric cancer. Immunopharmacology and Immunotoxicology, 2019, 41, 386-393. | 1.1 | 27 |
| 18 | Large lateral sized two-dimensional Cu2-xS nanoplates formed by Ostwald ripening. Materials Letters, 2019, 237, 88-91. | 1.3 | 6 |

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|---|---------|-----|-----------|
| 19 | Identify origin of replication in *Saccharomyces cerevisiae* using two-step feature selection technique. Bioinformatics, 2019, 35, 2075-2083. | 1.8 | 172 |
| 20 | A chlorinated polymer promoted analogue co-donors for efficient ternary all-polymer solar cells. Science China Chemistry, 2019, 62, 238-244. | 4.2 | 29 |
| 21 | Two-way long-range atmospheric transport of organochlorine pesticides (OCPs) between the Yellow River source and the Sichuan Basin, Western China. Science of the Total Environment, 2019, 651, 3230-3240. | 3.9 | 31 |
| 22 | Metal–Organic Framework-Based Stimuli-Responsive Systems for Drug Delivery. Advanced Science, 2019, 6, 1801526. | 5.6 | 491 |
| 23 | Potentially Toxic Metals in Soil and Dominant Plants from Tonglushan Cu–Fe Deposit, Central China. Bulletin of Environmental Contamination and Toxicology, 2019, 102, 92-97. | 1.3 | 15 |
| 24 | Landslide susceptibility assessment at the Wuning area, China: a comparison between multi-criteria decision making, bivariate statistical and machine learning methods. Natural Hazards, 2019, 96, 173-212. | 1.6 | 94 |
| 25 | Trajectories of childhood BMI and adult diabetes: the Bogalusa Heart Study. Diabetologia, 2019, 62, 70-77. | 2.9 | 30 |
| 26 | Facile and highly sensitive photoelectrochemical biosensing platform based on hierarchical architectured polydopamine/tungsten oxide nanocomposite film. Biosensors and Bioelectronics, 2019, 126, 1-6. | 5.3 | 46 |
| 27 | In vitro and in vivo evaluation of Lactobacillus strains and comparative genomic analysis of Lactobacillus plantarum CGMCC12436 reveal candidates of colonise-related genes. Food Research International, 2019, 119, 813-821. | 2.9 | 11 |
| 28 | A Paleoproterozoic mantle source modified by subducted sediments under the North China craton. Geochimica Et Cosmochimica Acta, 2019, 245, 222-239. | 1.6 | 24 |
| 29 | Ropy exopolysaccharide-producing *Bifidobacterium longum* YS108R as a starter culture for fermented milk. International Journal of Food Science and Technology, 2019, 54, 240-248. | 1.3 | 7 |
| 30 | Overcoming the trade-off between Voc and Jsc: Asymmetric chloro-substituted two-dimensional benzo[1,2-b:4,5-b′]dithiophene-based polymer solar cells. Dyes and Pigments, 2019, 162, 746-754. | 2.0 | 22 |
| 31 | A next generation probiotic, *Akkermansia muciniphila*. Critical Reviews in Food Science and Nutrition, 2019, 59, 3227-3236. | 5.4 | 244 |
| 32 | An electrochemical biosensor for sensitive detection of nicotine-induced dopamine secreted by PC12 cells. Journal of Electroanalytical Chemistry, 2019, 832, 217-224. | 1.9 | 13 |
| 33 | Predicting protein structural classes for low-similarity sequences by evaluating different features. Knowledge-Based Systems, 2019, 163, 787-793. | 4.0 | 194 |
| 34 | An effective dendritic cell-based vaccine containing glioma stem-like cell lysate and CpG adjuvant for an orthotopic mouse model of glioma. International Journal of Cancer, 2019, 144, 2867-2879. | 2.3 | 32 |
| 35 | Astrocytic insulin-like growth factor-1 prevents excitotoxic downregulation of adenosine deaminase acting on RNA in calcium dynamics. Journal of Cellular Biochemistry, 2019, 120, 9097-9103. | 1.2 | 6 |
| 36 | Microbial diversity in traditional type I sourdough and jiaozi and its influence on volatiles in Chinese steamed bread. LWT - Food Science and Technology, 2019, 101, 764-773. | 2.5 | 51 |

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|---|---------|-----|-----------|
| 37 | DeeReCT-PolyA: a robust and generic deep learning method for PAS identification. Bioinformatics, 2019, 35, 2371-2379. | 1.8 | 40 |
| 38 | Improved activity and significant SO2 tolerance of samarium modified CeO2-TiO2 catalyst for NO selective catalytic reduction with NH3. Applied Catalysis B: Environmental, 2019, 244, 671-683. | 10.8 | 294 |
| 39 | iTerm-PseKNC: a sequence-based tool for predicting bacterial transcriptional terminators. Bioinformatics, 2019, 35, 1469-1477. | 1.8 | 173 |
| 40 | Removal of cadmium from rice by Lactobacillus plantarum fermentation. Food Control, 2019, 96, 357-364. | 2.8 | 25 |
| 41 | Nulliplex-branch, a TERMINAL FLOWER 1 ortholog, controls plant growth habit in cotton. Theoretical and Applied Genetics, 2019, 132, 97-112. | 1.8 | 24 |
| 42 | Spatial prediction of landslide susceptibility using data mining-based kernel logistic regression, naive Bayes and RBFNetwork models for the Long County area (China). Bulletin of Engineering Geology and the Environment, 2019, 78, 247-266. | 1.6 | 122 |
| 43 | Lysobacter tabacisoli sp. nov., isolated from rhizosphere soil of Nicotiana tabacum L.. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 1875-1880. | 0.8 | 9 |
| 44 | A Survey for Predicting Enzyme Family Classes Using Machine Learning Methods. Current Drug Targets, 2019, 20, 540-550. | 1.0 | 35 |
| 45 | Frequency Network Analysis of Heart Rate Variability for Obstructive Apnea Patient Detection. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1895-1905. | 3.9 | 18 |
| 46 | PI(4,5)P2 determines the threshold of mechanical force–induced B cell activation. Journal of Cell Biology, 2018, 217, 2565-2582. | 2.3 | 22 |
| 47 | Preparation of 5-(Aminomethyl)-2-furanmethanol by direct reductive amination of 5-Hydroxymethylfurfural with aqueous ammonia over the Ni/SBA-15 catalyst. Journal of Chemical Technology and Biotechnology, 2018, 93, 3028-3034. | 1.6 | 32 |
| 48 | Eliminating J-V hysteresis in perovskite solar cells via defect controlling. Organic Electronics, 2018, 58, 283-289. | 1.4 | 29 |
| 49 | B, N Codoped and Defect-Rich Nanocarbon Material as a Metal-Free Bifunctional Electrocatalyst for Oxygen Reduction and Evolution Reactions. Advanced Science, 2018, 5, 1800036. | 5.6 | 202 |
| 50 | Demonstration of InAs/InGaAs/GaAs Quantum Dots-in-a-Well Mid-Wave Infrared Photodetectors Grown on Silicon Substrate. Journal of Lightwave Technology, 2018, 36, 2572-2581. | 2.7 | 36 |
| 51 | Lateral flow test for visual detection of multiple MicroRNAs. Sensors and Actuators B: Chemical, 2018, 264, 320-326. | 4.0 | 80 |
| 52 | Understanding the Doping Effect on NiO: Toward High-Performance Inverted Perovskite Solar Cells. Advanced Energy Materials, 2018, 8, 1703519. | 10.2 | 286 |
| 53 | Attributing human influence on the July 2017 Chinese heatwave: the influence of sea-surface temperatures. Environmental Research Letters, 2018, 13, 114004. | 2.2 | 23 |
| 54 | Graphene-based Electrochemical Glucose Sensors: Fabrication and Sensing Properties. Electroanalysis, 2018, 30, 2504-2524. | 1.5 | 75 |

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|---|---------|----|-----------| 
| 55 | Expression of resistance gene and prognosis of chemotherapy in primary epithelial ovarian cancer. Medicine (United States), 2018, 97, e12364. | 0.4 | 7 |
| 56 | Environmental transformation of natural and engineered carbon nanoparticles and implications for the fate of organic contaminants. Environmental Science: Nano, 2018, 5, 2500-2518. | 2.2 | 54 |
| 57 | <i>In vitro</i> fermentation of raffinose by the human gut bacteria. Food and Function, 2018, 9, 5824-5831. | 2.1 | 27 |
| 58 | Application of high EPA-producing Mortierella alpina in laying hen feed for egg DHA accumulation. RSC Advances, 2018, 8, 39005-39012. | 1.7 | 2 |
| 59 | Novel GIS Based Machine Learning Algorithms for Shallow Landslide Susceptibility Mapping. Sensors, 2018, 18, 3777. | 2.1 | 146 |
| 60 | A Modified Common Spatial Pattern Algorithm Customized for Feature Dimensionality Reduction in fNIRS-Based BCIs. , 2018, 2018, 5073-5076. | | 5 |
| 61 | Measuring weight and location of individual bites using a sensor augmented smart plate. , 2018, 2018, 5558-5561. | | 8 |
| 62 | The IΰB kinase complex is a regulator of <scp>mRNA</scp> stability. EMBO Journal, 2018, 37, . | 3.5 | 21 |
| 63 | Association of maternal prenatal smoking GFI1-locus and cardio-metabolic phenotypes in 18,212 adults. EBioMedicine, 2018, 38, 206-216. | 2.7 | 43 |
| 64 | A deep learning framework for sequence-based bacteria type IV secreted effectors prediction. Chemometrics and Intelligent Laboratory Systems, 2018, 183, 134-139. | 1.8 | 11 |
| 65 | Landslide Susceptibility Modeling Based on GIS and Novel Bagging-Based Kernel Logistic Regression. Applied Sciences (Switzerland), 2018, 8, 2540. | 1.3 | 140 |
| 66 | Hybrid Integration Approach of Entropy with Logistic Regression and Support Vector Machine for Landslide Susceptibility Modeling. Entropy, 2018, 20, 884. | 1.1 | 67 |
| 67 | A DNA methylation reader complex that enhances gene transcription. Science, 2018, 362, 1182-1186. | 6.0 | 181 |
| 68 | CircSLC3A2 functions as an oncogenic factor in hepatocellular carcinoma by sponging miR-490-3p and regulating PPM1F expression. Molecular Cancer, 2018, 17, 165. | 7.9 | 64 |
| 69 | A Multichannel EEG Acquisition System With Novel Ag NWs/PDMS Flexible Dry Electrodes. , 2018, 2018, 1299-1302. | | 10 |
| 70 | Landslide Detection and Susceptibility Mapping by AIRSAR Data Using Support Vector Machine and Index of Entropy Models in Cameron Highlands, Malaysia. Remote Sensing, 2018, 10, 1527. | 1.8 | 121 |
| 71 | Molecular mechanism of substrate preference for Ï‰-3 fatty acid desaturase from Mortierella alpina by mutational analysis and molecular docking. Applied Microbiology and Biotechnology, 2018, 102, 9679-9689. | 1.7 | 10 |
| 72 | Transcriptome approach to address low seed germination in Cyclobalanopsis gilva to save forest ecology. Biochemical Systematics and Ecology, 2018, 81, 62-69. | 0.6 | 7 |

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|---|---|---|---|
| 73 | In vivo hepatocellular expression of interleukin-22 using penetratin-based hybrid nanoparticles as potential anti-hepatitis therapeutics. Biomaterials, 2018, 187, 66-80. | 5.7 | 25 |
| 74 | Genomic, expressional, protein-protein interactional analysis of Trihelix transcription factor genes in Setaria italia and inference of their evolutionary trajectory. BMC Genomics, 2018, 19, 665. | 1.2 | 14 |
| 75 | Origins of high onset overpotential of oxygen reduction reaction at Pt-based electrocatalysts: A mini review. Electrochemistry Communications, 2018, 96, 71-76. | 2.3 | 50 |
| 76 | Î³-Glutamyl Cysteine Ligase of Lactobacillus reuteri Synthesizes Î³-Glutamyl Dipeptides in Sourdough. Journal of Agricultural and Food Chemistry, 2018, 66, 12368-12375. | 2.4 | 15 |
| 77 | UPLC/MS-Based Metabolomics Investigation of the Protective Effect of Hydrogen Gas Inhalation on Mice with Calcium Oxalate-Induced Renal Injury. Biological and Pharmaceutical Bulletin, 2018, 41, 1652-1658. | 0.6 | 11 |
| 78 | Neat1-miRNA204-5p-PI3K-AKT axis as a potential mechanism for photodynamic therapy treated colitis in mice. Photodiagnosis and Photodynamic Therapy, 2018, 24, 349-357. | 1.3 | 16 |
| 79 | Fatigue Damage Assessment of LED Chip Scale Packages with Finite Element Simulation. , 2018, , . |  | 0 |
| 80 | Novel Hybrid Evolutionary Algorithms for Spatial Prediction of Floods. Scientific Reports, 2018, 8, 15364. | 1.6 | 124 |
| 81 | The divergent restoration effects of Lactobacillus strains in antibiotic-induced dysbiosis. Journal of Functional Foods, 2018, 51, 142-152. | 1.6 | 13 |
| 82 | Microfluidic-spinning construction of black-phosphorus-hybrid microfibres for non-woven fabrics toward a high energy density flexible supercapacitor. Nature Communications, 2018, 9, 4573. | 5.8 | 181 |
| 83 | The PDK1/câ€‘Jun pathway activated by TGFâ€‘Î² induces EMT and promotes proliferation and invasion in human glioblastoma. International Journal of Oncology, 2018, 53, 2067-2080. | 1.4 | 19 |
| 84 | New Hybrids of ANFIS with Several Optimization Algorithms for Flood Susceptibility Modeling. Water (Switzerland), 2018, 10, 1210. | 1.2 | 174 |
| 85 | RNF186 impairs insulin sensitivity by inducing ER stress in mouse primary hepatocytes. Cellular Signalling, 2018, 52, 155-162. | 1.7 | 12 |
| 86 | Influence of light wavelength on the photoactivity, physicochemical transformation, and fate of graphene oxide in aqueous media. Environmental Science: Nano, 2018, 5, 2590-2603. | 2.2 | 34 |
| 87 | Assessment of multiple and interacting modes of soil loss in the karst critical zone, Southwest China (SWC). Geomorphology, 2018, 322, 97-106. | 1.1 | 45 |
| 88 | The Marriage of the $FeN_4$ Moiety and MXene Boosts Oxygen Reduction Catalysis: Fe 3d Electron Delocalization Matters. Advanced Materials, 2018, 30, e1803220. | 11.1 | 289 |
| 89 | High-performance supercapacitor fabricated from 3D free-standing hierarchical carbon foam-supported two dimensional porous thin carbon nanosheets. Electrochimica Acta, 2018, 290, 98-108. | 2.6 | 41 |
| 90 | Fabrication of ultra-small monolayer graphene quantum dots by pyrolysis of trisodium citrate for fluorescent cell imaging. International Journal of Nanomedicine, 2018, Volume 13, 4807-4815. | 3.3 | 73 |

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| 91 | Removal of Anions from Aqueous Media by Means of a Thermoresponsive Calix[4]pyrrole Amphiphilic Polymer. Chemistry - A European Journal, 2018, 24, 15791-15795. | 1.7 | 17 |
| 92 | Bayesian integrative model for multi-omics data with missingness. Bioinformatics, 2018, 34, 3801-3808. | 1.8 | 15 |
| 93 | Effects of lactobacilli with different regulatory behaviours on tight junctions in mice with dextran sodium sulphate-induced colitis. Journal of Functional Foods, 2018, 47, 107-115. | 1.6 | 30 |
| 94 | Effect of mixed soil microbiomes on pyrene removal and the response of the soil microorganisms. Science of the Total Environment, 2018, 640-641, 9-17. | 3.9 | 56 |
| 95 | Degradation and remobilization of endogenous retroviruses by recombination during the earliest stages of a germ-line invasion. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8609-8614. | 3.3 | 40 |
| 96 | Cortical thickness and white matter integrity abnormalities in obsessive-compulsive disorder: A combined multimodal surface-based morphometry and tract-based spatial statistics study. Depression and Anxiety, 2018, 35, 742-751. | 2.0 | 28 |
| 97 | The Influence of Ti Doping on Morphology and Photoelectrochemical Properties of Hematite Grown from Aqueous Solution for Water Splitting. Energy Technology, 2018, 6, 2188-2199. | 1.8 | 18 |
| 98 | Metabolome Analysis of Multi-Connected Biparental Chromosome Segment Substitution Line Populations. Plant Physiology, 2018, 178, 612-625. | 2.3 | 25 |
| 99 | The mechanism of the preventive effect of Shen€™an capsule on the calcium oxalate crystal€induced early renal injury based on metabolomics. Biomedical Chromatography, 2018, 32, e4374. | 0.8 | 3 |
| 100 | Mechanistic insights into plant SUVH family H3K9 methyltransferases and their binding to context-biased non-CG DNA methylation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8793-E8802. | 3.3 | 89 |
| 101 | Molecularly imprinted polymers as receptor mimics for selective cell recognition. Chemical Society Reviews, 2018, 47, 5574-5587. | 18.7 | 373 |
| 102 | Contribution of peroxisomal docking machinery to mycotoxin biosynthesis, pathogenicity and pexophagy in the plant pathogenic fungus <i>Fusarium graminearum</i>. Environmental Microbiology, 2018, 20, 3224-3245. | 1.8 | 38 |
| 103 | Toll€like receptor 4 signalling regulates antibody response to adenoviral vector€based vaccines by imprinting germinal centre quality. Immunology, 2018, 155, 251-262. | 2.0 | 7 |
| 104 | MiR-637 suppresses melanoma progression through directly targeting P-REX2a and inhibiting PTEN/AKT signaling pathway. Cellular and Molecular Biology, 2018, 64, 50-57. | 0.3 | 20 |
| 105 | A Brief Survey of Machine Learning Application in Cancerlectin Identification. Current Gene Therapy, 2018, 18, 257-267. | 0.9 | 24 |