Wei Chen

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	Metal–Organic Framework–Based Stimuli–Responsive Systems for Drug Delivery. Advanced Science, 2019, 6, 1801526.	5.6	491
2	Molecularly imprinted polymers as receptor mimics for selective cell recognition. Chemical Society Reviews, 2018, 47, 5574-5587.	18.7	373
3	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
4	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
5	Understanding the Doping Effect on NiO: Toward High–Performance Inverted Perovskite Solar Cells. Advanced Energy Materials, 2018, 8, 1703519.	10.2	286
6	A next generation probiotic, *Akkermansia muciniphila*. Critical Reviews in Food Science and Nutrition, 2019, 59, 3227-3236.	5.4	244
7	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
8	Plasma CRP level is positively associated with the severity of COVID-19. Annals of Clinical Microbiology and Antimicrobials, 2020, 19, 18.	1.7	201
9	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
10	Predicting protein structural classes for low-similarity sequences by evaluating different features. Knowledge-Based Systems, 2019, 163, 787-793.	4.0	194
11	A DNA methylation reader complex that enhances gene transcription. Science, 2018, 362, 1182-1186.	6.0	181
12	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
13	New Hybrids of ANFIS with Several Optimization Algorithms for Flood Susceptibility Modeling. Water (Switzerland), 2018, 10, 1210.	1.2	174
14	iTerm-PseKNC: a sequence-based tool for predicting bacterial transcriptional terminators. Bioinformatics, 2019, 35, 1469-1477.	1.8	173
15	Identify origin of replication in *Saccharomyces cerevisiae* using two-step feature selection technique. Bioinformatics, 2019, 35, 2075-2083.	1.8	172
16	Novel GIS Based Machine Learning Algorithms for Shallow Landslide Susceptibility Mapping. Sensors, 2018, 18, 3777.	2.1	146
17	Landslide Susceptibility Modeling Based on GIS and Novel Bagging-Based Kernel Logistic Regression. Applied Sciences (Switzerland), 2018, 8, 2540.	1.3	140
18	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

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19	Novel Hybrid Evolutionary Algorithms for Spatial Prediction of Floods. Scientific Reports, 2018, 8, 15364.	1.6	124
20	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
21	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
22	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
23	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
24	Lateral flow test for visual detection of multiple MicroRNAs. Sensors and Actuators B: Chemical, 2018, 264, 320-326.	4.0	80
25	Graphene–based Electrochemical Glucose Sensors: Fabrication and Sensing Properties. Electroanalysis, 2018, 30, 2504-2524.	1.5	75
26	Recent Advances in Machine Learning Methods for Predicting Heat Shock Proteins. Current Drug Metabolism, 2019, 20, 224-228.	0.7	75
27	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
28	Hybrid Integration Approach of Entropy with Logistic Regression and Support Vector Machine for Landslide Susceptibility Modeling. Entropy, 2018, 20, 884.	1.1	67
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	Association of maternal prenatal smoking GFI1-locus and cardio-metabolic phenotypes in 18,212 adults. EBioMedicine, 2018, 38, 206-216.	2.7	43

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37	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
38	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
39	DeeReCT-PolyA: a robust and generic deep learning method for PAS identification. Bioinformatics, 2019, 35, 2371-2379.	1.8	40
40	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
41	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
42	A Survey for Predicting Enzyme Family Classes Using Machine Learning Methods. Current Drug Targets, 2019, 20, 540-550.	1.0	35
43	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
44	Preparation of 5â€(Aminomethyl)â€2â€furanmethanol by direct reductive amination of 5â€Hydroxymethylfurfural with aqueous ammonia over the Ni/SBAâ€15 catalyst. Journal of Chemical Technology and Biotechnology, 2018, 93, 3028-3034.	1.6	32
45	An effective dendritic cellâ€based vaccine containing glioma stemâ€like cell lysate and CpG adjuvant for an orthotopic mouse model of glioma. International Journal of Cancer, 2019, 144, 2867-2879.	2.3	32
46	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
47	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
48	Trajectories of childhood BMI and adult diabetes: the Bogalusa Heart Study. Diabetologia, 2019, 62, 70-77.	2.9	30
49	Eliminating J-V hysteresis in perovskite solar cells via defect controlling. Organic Electronics, 2018, 58, 283-289.	1.4	29
50	A chlorinated polymer promoted analogue co-donors for efficient ternary all-polymer solar cells. Science China Chemistry, 2019, 62, 238-244.	4.2	29
51	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
52	<i>In vitro</i> fermentation of raffinose by the human gut bacteria. Food and Function, 2018, 9, 5824-5831.	2.1	27
53	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
54	Identification of discrepancy between CTLA4 expression and CTLA4 activation in gastric cancer. Immunopharmacology and Immunotoxicology, 2019, 41, 386-393.	1.1	27

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55	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
56	Metabolome Analysis of Multi-Connected Biparental Chromosome Segment Substitution Line Populations. Plant Physiology, 2018, 178, 612-625.	2.3	25
57	Removal of cadmium from rice by Lactobacillus plantarum fermentation. Food Control, 2019, 96, 357-364.	2.8	25
58	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
59	A Paleoproterozoic mantle source modified by subducted sediments under the North China craton. Geochimica Et Cosmochimica Acta, 2019, 245, 222-239.	1.6	24
60	Nulliplex-branch, a TERMINAL FLOWER 1 ortholog, controls plant growth habit in cotton. Theoretical and Applied Genetics, 2019, 132, 97-112.	1.8	24
61	A Brief Survey of Machine Learning Application in Cancerlectin Identification. Current Gene Therapy, 2018, 18, 257-267.	0.9	24
62	Attributing human influence on the July 2017 Chinese heatwave: the influence of sea-surface temperatures. Environmental Research Letters, 2018, 13, 114004.	2.2	23
63	PI(4,5)P2 determines the threshold of mechanical forceâ€"induced B cell activation. Journal of Cell Biology, 2018, 217, 2565-2582.	2.3	22
64	Overcoming the trade-off between Voc and Jsc: Asymmetric chloro-substituted two-dimensional benzo[1,2-b:4,5-bâ€²]dithiophene-based polymer solar cells. Dyes and Pigments, 2019, 162, 746-754.	2.0	22
65	The IÎºB kinase complex is a regulator of <scp>mRNA</scp> stability. EMBO Journal, 2018, 37, .	3.5	21
66	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
67	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
68	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
69	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
70	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
71	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
72	Dynamic split G-quadruplex programmed reversible nanodevice. Chemical Communications, 2019, 55, 389-392.	2.2	17

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73	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
74	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
75	Bayesian integrative model for multi-omics data with missingness. Bioinformatics, 2018, 34, 3801-3808.	1.8	15
76	Potentially Toxic Metals in Soil and Dominant Plants from Tonglushan Cuâ€"Fe Deposit, Central China. Bulletin of Environmental Contamination and Toxicology, 2019, 102, 92-97.	1.3	15
77	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
78	The divergent restoration effects of Lactobacillus strains in antibiotic-induced dysbiosis. Journal of Functional Foods, 2018, 51, 142-152.	1.6	13
79	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
80	RNF186 impairs insulin sensitivity by inducing ER stress in mouse primary hepatocytes. Cellular Signalling, 2018, 52, 155-162.	1.7	12
81	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
82	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
83	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
84	A Multichannel EEG Acquisition System With Novel Ag NWs/PDMS Flexible Dry Electrodes. , 2018, 2018, 1299-1302.		10
85	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
86	Glycosyl triazoles as novel insect Î²-N-acetylhexosaminidase OfHex1 inhibitors: Design, synthesis, molecular docking and MD simulations. Bioorganic and Medicinal Chemistry, 2019, 27, 2315-2322.	1.4	10
87	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
88	Measuring weight and location of individual bites using a sensor augmented smart plate. , 2018, 2018, 5558-5561.		8
89	Discovery of CDK8/CycC Ligands with a New Virtual Screening Tool. ChemMedChem, 2019, 14, 107-118.	1.6	8
90	Expression of resistance gene and prognosis of chemotherapy in primary epithelial ovarian cancer. Medicine (United States), 2018, 97, e12364.	0.4	7

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91	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
92	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
93	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
94	Ropy exopolysaccharide‐producing <i>Bifidobacterium longum</i> YS108R as a starter culture for fermented milk. International Journal of Food Science and Technology, 2019, 54, 240-248.	1.3	7
95	Large lateral sized two-dimensional Cu2-xS nanoplates formed by Ostwald ripening. Materials Letters, 2019, 237, 88-91.	1.3	6
96	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
97	A Modified Common Spatial Pattern Algorithm Customized for Feature Dimensionality Reduction in fNIRS-Based BCIs. , 2018, 2018, 5073-5076.		5
98	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
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	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
101	Development of a hemoptysis risk prediction model for patients following CT-guided transthoracic lung biopsy. BMC Pulmonary Medicine, 2020, 20, 247.	0.8	3
102	Application of high EPA-producing Mortierella alpina in laying hen feed for egg DHA accumulation. RSC Advances, 2018, 8, 39005-39012.	1.7	2
103	Fatigue Damage Assessment of LED Chip Scale Packages with Finite Element Simulation. , 2018, , .		0
104	Si-Ho Tchou: life of a legend from physiology to psychology. Protein and Cell, 2019, 10, 157-160.	4.8	0
105	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