

Cheng Wang

List of Publications by Year in descending order

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103
papers

8,782
citations

66315

42
h-index

42364

92
g-index

105
all docs

105
docs citations

105
times ranked

14964
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-junction polymer solar cells with high efficiency and photovoltage. <i>Nature Photonics</i> , 2015, 9, 174-179.	15.6	1,595
2	Flexible, highly efficient all-polymer solar cells. <i>Nature Communications</i> , 2015, 6, 8547.	5.8	740
3	The LINK-A lncRNA activates normoxic HIF1 α signalling in triple-negative breast cancer. <i>Nature Cell Biology</i> , 2016, 18, 213-224.	4.6	444
4	Determining the Role of Polymer Molecular Weight for High-Performance All-Polymer Solar Cells: Its Effect on Polymer Aggregation and Phase Separation. <i>Journal of the American Chemical Society</i> , 2015, 137, 2359-2365.	6.6	347
5	Lanthanide Ion Codoped Emitters for Tailoring Emission Trajectory and Temperature Sensing. <i>Advanced Functional Materials</i> , 2015, 25, 1463-1469.	7.8	263
6	Aptamer-functionalized lipid nanoparticles targeting osteoblasts as a novel RNA interference-based bone anabolic strategy. <i>Nature Medicine</i> , 2015, 21, 288-294.	15.2	253
7	Metagenomic analysis of microbial consortia enriched from compost: new insights into the role of Actinobacteria in lignocellulose decomposition. <i>Biotechnology for Biofuels</i> , 2016, 9, 22.	6.2	237
8	The Hippo/ YAP pathway interacts with EGFR signaling and HPV oncoproteins to regulate cervical cancer progression. <i>EMBO Molecular Medicine</i> , 2015, 7, 1426-1449.	3.3	221
9	Flow-enhanced solution printing of all-polymer solar cells. <i>Nature Communications</i> , 2015, 6, 7955.	5.8	221
10	miR-214 promotes osteoclastogenesis by targeting Pten/PI3k/Akt pathway. <i>RNA Biology</i> , 2015, 12, 343-353.	1.5	198
11	MoO ₂ /Mo ₂ C Heteronanotubes Function as High-Performance Li-ion Battery Electrode. <i>Advanced Functional Materials</i> , 2014, 24, 3399-3404.	7.8	185
12	Genome-wide association study identifies a new susceptibility locus for cleft lip with or without a cleft palate. <i>Nature Communications</i> , 2015, 6, 6414.	5.8	167
13	Performance improvement of a nanofluid solar collector based on direct absorption collection (DAC) concepts. <i>International Journal of Heat and Mass Transfer</i> , 2014, 75, 262-271.	2.5	161
14	Spectroscopic evidence for biochar amendment promoting humic acid synthesis and intensifying humification during composting. <i>Journal of Hazardous Materials</i> , 2014, 280, 409-416.	6.5	159
15	Klotho Protects Against Indoxyl Sulphate-Induced Myocardial Hypertrophy. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 2434-2446.	3.0	151
16	Gut Microbial Dysbiosis May Predict Diarrhea and Fatigue in Patients Undergoing Pelvic Cancer Radiotherapy: A Pilot Study. <i>PLoS ONE</i> , 2015, 10, e0126312.	1.1	149
17	Neural Population Evidence of Functional Heterogeneity along the CA3 Transverse Axis: Pattern Completion versus Pattern Separation. <i>Neuron</i> , 2015, 87, 1093-1105.	3.8	133
18	Transparent Conducting Films of Hierarchically Nanostructured Polyaniline Networks on Flexible Substrates for High-Performance Gas Sensors. <i>Small</i> , 2015, 11, 306-310.	5.2	133

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19	Microbiology and potential applications of aerobic methane oxidation coupled to denitrification (AME-D) process: A review. <i>Water Research</i> , 2016, 90, 203-215.	5.3	131
20	Quantification of Nano- and Mesoscale Phase Separation and Relation to Donor and Acceptor Quantum Efficiency, J_{sc} , and FF in Polymer:Fullerene Solar Cells. <i>Advanced Materials</i> , 2014, 26, 4234-4241.	11.1	127
21	Systematic identification of genes with a cancer-testis expression pattern in 19 cancer types. <i>Nature Communications</i> , 2016, 7, 10499.	5.8	124
22	Achieving high strength and high ductility in magnesium alloy using hard-plate rolling (HPR) process. <i>Scientific Reports</i> , 2015, 5, 17100.	1.6	108
23	Tumor budding correlates with occult cervical lymph node metastasis and poor prognosis in clinical early-stage tongue squamous cell carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2015, 44, 266-272.	1.4	94
24	Airborne LiDAR technique for estimating biomass components of maize: A case study in Zhangye City, Northwest China. <i>Ecological Indicators</i> , 2015, 57, 486-496.	2.6	81
25	Laser shock peening induced surface nanocrystallization and martensite transformation in austenitic stainless steel. <i>Journal of Alloys and Compounds</i> , 2016, 655, 66-70.	2.8	78
26	Effect of Initial PH on Growth Characteristics and Fermentation Properties of <i>Saccharomyces cerevisiae</i> . <i>Journal of Food Science</i> , 2015, 80, M800-8.	1.5	75
27	Potential Adverse Effects of Prolonged Sevoflurane Exposure on Developing Monkey Brain: From Abnormal Lipid Metabolism to Neuronal Damage. <i>Toxicological Sciences</i> , 2015, 147, 562-572.	1.4	74
28	ROCK1 Induces Endothelial-to-Mesenchymal Transition in Glomeruli to Aggravate Albuminuria in Diabetic Nephropathy. <i>Scientific Reports</i> , 2016, 6, 20304.	1.6	72
29	Hypoglycosylated hFSH Has Greater Bioactivity Than Fully Glycosylated Recombinant hFSH in Human Granulosa Cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E852-E860.	1.8	66
30	Systematic characterization of seminal plasma piRNAs as molecular biomarkers for male infertility. <i>Scientific Reports</i> , 2016, 6, 24229.	1.6	66
31	The Role of Mott-Schottky Heterojunctions in Ag_8Sn_6 as Counter Electrodes in Dye-Sensitized Solar Cells. <i>ChemSusChem</i> , 2015, 8, 817-820.	3.6	64
32	Cellular Stress, Excessive Apoptosis, and the Effect of Metformin in a Mouse Model of Type 2 Diabetic Embryopathy. <i>Diabetes</i> , 2015, 64, 2526-2536.	0.3	64
33	Selective Small Molecule Compounds Increase BMP-2 Responsiveness by Inhibiting Smurf1-mediated Smad1/5 Degradation. <i>Scientific Reports</i> , 2014, 4, 4965.	1.6	63
34	Metabolic Engineering of Wheat Provitamin A by Simultaneously Overexpressing <i>CrtB</i> and Silencing Carotenoid Hydroxylase (<i>TaHYD</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9083-9092.	2.4	58
35	Switching wormlike micelles of selenium-containing surfactant using redox reaction. <i>Soft Matter</i> , 2015, 11, 7469-7473.	1.2	58
36	Protective effect of acetyl-L-carnitine on propofol-induced toxicity in embryonic neural stem cells. <i>NeuroToxicology</i> , 2014, 42, 49-57.	1.4	56

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37	Sympathetic stimulation facilitates thrombopoiesis by promoting megakaryocyte adhesion, migration, and proplatelet formation. <i>Blood</i> , 2016, 127, 1024-1035.	0.6	55
38	An aptameric graphene nanosensor for label-free detection of small-molecule biomarkers. <i>Biosensors and Bioelectronics</i> , 2015, 71, 222-229.	5.3	53
39	Rational design and fabrication of skeletal Cu ₇ S ₄ nanocages for efficient counter electrode in quantum dot-sensitized solar cells. <i>Nano Energy</i> , 2015, 12, 186-196.	8.2	51
40	Development of hydrophilicity gradient ultracentrifugation method for photoluminescence investigation of separated non-sedimental carbon dots. <i>Nano Research</i> , 2015, 8, 2810-2821.	5.8	49
41	Telomere length, genetic variants and gastric cancer risk in a Chinese population. <i>Carcinogenesis</i> , 2015, 36, 963-970.	1.3	46
42	Renalase is a novel target gene of hypoxia-inducible factor-1 in protection against cardiac ischaemia-reperfusion injury. <i>Cardiovascular Research</i> , 2015, 105, 182-191.	1.8	45
43	Apelin induces vascular smooth muscle cells migration via a PI3K/Akt/FoxO3a/MMP-2 pathway. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 69, 173-182.	1.2	44
44	Beclin1 inhibits proliferation, migration and invasion in tongue squamous cell carcinoma cell lines. <i>Oral Oncology</i> , 2014, 50, 983-990.	0.8	43
45	Expression quantitative trait loci in long non-coding RNA ZNRD1AS1 influence both HBV infection and hepatocellular carcinoma development. <i>Molecular Carcinogenesis</i> , 2015, 54, 1275-1282.	1.3	42
46	Probing and Controlling Liquid Crystal Helical Nanofilaments. <i>Nano Letters</i> , 2015, 15, 3420-3424.	4.5	42
47	Enzymatic in situ saccharification of chestnut shell with high ionic liquid-tolerant cellulases from <i>Galactomyces</i> sp. CCZU11-1 in a biocompatible ionic liquid-cellulase media. <i>Bioresource Technology</i> , 2016, 201, 133-139.	4.8	42
48	Nanoscale structure and superhydrophobicity of sp ² -bonded boron nitride aerogels. <i>Nanoscale</i> , 2015, 7, 10449-10458.	2.8	41
49	Design of a Potent Antibiotic Peptide Based on the Active Region of Human Defensin 5. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 3083-3093.	2.9	41
50	Low-Frequency Coding Variants at 6p21.33 and 20q11.21 Are Associated with Lung Cancer Risk in Chinese Populations. <i>American Journal of Human Genetics</i> , 2015, 96, 832-840.	2.6	41
51	FAM3A promotes vascular smooth muscle cell proliferation and migration and exacerbates neointima formation in rat artery after balloon injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 74, 173-182.	0.9	37
52	Genome-wide survey and expression analysis of the PUB family in Chinese cabbage (<i>Brassica rapa</i> ssp.) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.6	37
53	Heterogeneity of functional groups in a metal-organic framework displays magic number ratios. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5591-5596.	3.3	36
54	The lycopene β -cyclase plays a significant role in provitamin A biosynthesis in wheat endosperm. <i>BMC Plant Biology</i> , 2015, 15, 112.	1.6	32

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55	Reduction Impairs the Antibacterial Activity but Benefits the LPS Neutralization Ability of Human Enteric Defensin 5. <i>Scientific Reports</i> , 2016, 6, 22875.	1.6	32
56	RCCRT1 Is Correlated With Prognosis and Promotes Cell Migration and Invasion in Renal Cell Carcinoma. <i>Urology</i> , 2014, 84, 730.e1-730.e7.	0.5	31
57	Geostatistical modeling using LiDAR-derived prior knowledge with SPOT-6 data to estimate temperate forest canopy cover and above-ground biomass via stratified random sampling. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015, 41, 88-98.	1.4	31
58	Oral Rehydration Salts: An Effective Choice for the Treatment of Children with Vasovagal Syncope. <i>Pediatric Cardiology</i> , 2015, 36, 867-872.	0.6	31
59	Word frequency effect in written production: Evidence from ERPs and neural oscillations. <i>Psychophysiology</i> , 2021, 58, e13775.	1.2	31
60	Spatiotemporal Monitoring Endocytic and Cytosolic pH Gradients with Endosomal Escaping pH-Responsive Micellar Nanocarriers. <i>Biomacromolecules</i> , 2014, 15, 4293-4301.	2.6	28
61	Molecular Mechanisms of Chemoresistance in Oral Cancer. <i>Chinese journal of dental research: the official journal of the Scientific Section of the Chinese Stomatological Association (CSA), The</i> , 2016, 19, 25-33.	0.1	28
62	Dual-pulse nonlinear photoacoustic technique: a practical investigation. <i>Biomedical Optics Express</i> , 2015, 6, 2923.	1.5	27
63	Clinical Characteristics of Radiation-Induced Sarcoma of the Head and Neck: Review of 15 Cases and 323 Cases in the Literature. <i>Journal of Oral and Maxillofacial Surgery</i> , 2016, 74, 283-291.	0.5	27
64	Simultaneous multichannel wavelength multicasting and XOR logic gate multicasting for three DPSK signals based on four-wave mixing in quantum-dot semiconductor optical amplifier. <i>Optics Express</i> , 2014, 22, 29413.	1.7	26
65	Direct observation of laser guided corona discharges. <i>Scientific Reports</i> , 2016, 5, 18681.	1.6	26
66	Systematic manipulation of glutathione metabolism in <i>Escherichia coli</i> for improved glutathione production. <i>Microbial Cell Factories</i> , 2016, 15, 38.	1.9	25
67	Syllable frequency and word frequency effects in spoken and written word production in a non-alphabetic script. <i>Frontiers in Psychology</i> , 2014, 5, 120.	1.1	24
68	Arl2- and Msps-dependent microtubule growth governs asymmetric division. <i>Journal of Cell Biology</i> , 2016, 212, 661-676.	2.3	24
69	Genome-wide Association Study on Platinum-induced Hepatotoxicity in Non-Small Cell Lung Cancer Patients. <i>Scientific Reports</i> , 2015, 5, 11556.	1.6	23
70	Heterologous gshF gene expression in various vector systems in <i>Escherichia coli</i> for enhanced glutathione production. <i>Journal of Biotechnology</i> , 2015, 214, 63-68.	1.9	22
71	Glutathione production by recombinant <i>Escherichia coli</i> expressing bifunctional glutathione synthetase. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 45-53.	1.4	22
72	Altered Static and Temporal Dynamic Amplitude of Low-Frequency Fluctuations in the Background Network During Working Memory States in Mild Cognitive Impairment. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 152.	1.7	22

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73	Prefoldin and Pins synergistically regulate asymmetric division and suppress dedifferentiation. <i>Scientific Reports</i> , 2016, 6, 23735.	1.6	21
74	Genome-wide association study identifies two new susceptibility loci for colorectal cancer at 5q23.3 and 17q12 in Han Chinese. <i>Oncotarget</i> , 2015, 6, 40327-40336.	0.8	21
75	Laser-induced supersaturation and snow formation in a sub-saturated cloud chamber. <i>Applied Physics B: Lasers and Optics</i> , 2014, 117, 1001-1007.	1.1	19
76	Thromboxane Prostanoid Receptors Enhance Contractions, Endothelin-1, and Oxidative Stress in Microvessels From Mice With Chronic Kidney Disease. <i>Hypertension</i> , 2015, 65, 1055-1063.	1.3	19
77	Construction of a genome-scale metabolic network of the plant pathogen <i>Pectobacterium carotovorum</i> provides new strategies for bactericide discovery. <i>FEBS Letters</i> , 2015, 589, 285-294.	1.3	18
78	Up-regulating the abscisic acid inactivation gene <i>ZmABA8ox1b</i> contributes to seed germination heterosis by promoting cell expansion. <i>Journal of Experimental Botany</i> , 2016, 67, 2889-2900.	2.4	17
79	Systematical analyses of variants in CTCF-binding sites identified a novel lung cancer susceptibility locus among Chinese population. <i>Scientific Reports</i> , 2015, 5, 7833.	1.6	16
80	Updating Input-Output Tables with Benchmark Table Series. <i>Economic Systems Research</i> , 2015, 27, 287-305.	1.2	15
81	Signal-to-noise ratio-based quality assessment method for ICESat/GLAS waveform data. <i>Optical Engineering</i> , 2014, 53, 103104.	0.5	13
82	Phonology is not accessed earlier than orthography in Chinese written production: evidence for the orthography autonomy hypothesis. <i>Frontiers in Psychology</i> , 2015, 6, 448.	1.1	13
83	Higher cardiogenic potential of iPSCs derived from cardiac versus skin stromal cells. <i>Frontiers in Bioscience - Landmark</i> , 2016, 21, 719-743.	3.0	13
84	Transforming semantic interference into facilitation in a picture-word interference task. <i>Applied Psycholinguistics</i> , 2016, 37, 1025-1049.	0.8	12
85	Controllable Assembly and Separation of Colloidal Nanoparticles through a One-Tube Synthesis Based on Density Gradient Centrifugation. <i>Chemistry - A European Journal</i> , 2015, 21, 7211-7216.	1.7	11
86	A Probabilistic Model to Predict Clinical Phenotypic Traits from Genome Sequencing. <i>PLoS Computational Biology</i> , 2014, 10, e1003825.	1.5	10
87	U-shaped association between telomere length and esophageal squamous cell carcinoma risk: a case-control study in Chinese population. <i>Frontiers of Medicine</i> , 2015, 9, 478-486.	1.5	10
88	Polymorphisms in alternative splicing associated genes are associated with lung cancer risk in a Chinese population. <i>Lung Cancer</i> , 2015, 89, 238-242.	0.9	9
89	The Temporal Courses of Phonological and Orthographic Encoding in Handwritten Production in Chinese: An ERP Study. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 417.	1.0	9
90	Theta band behavioral fluctuations synchronized interpersonally during cooperation. <i>Psychonomic Bulletin and Review</i> , 2020, 27, 563-570.	1.4	9

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91	Immunization with a Live Attenuated H7N9 Influenza Vaccine Protects Mice against Lethal Challenge. PLoS ONE, 2015, 10, e0123659.	1.1	8
92	Dissociation of E-cadherin/ β -catenin complex by MG132 and bortezomib enhances CDDP induced cell death in oral cancer SCC-25 cells. Toxicology in Vitro, 2015, 29, 1965-1976.	1.1	7
93	Phonological Codes Constrain Output of Orthographic Codes via Sublexical and Lexical Routes in Chinese Written Production. PLoS ONE, 2015, 10, e0124470.	1.1	5
94	Clinicopathological features and prognostic implications of Raf kinase inhibitor protein downregulation in tongue squamous cell carcinoma. Oncology Letters, 2015, 10, 1303-1308.	0.8	3
95	The Varying Coherences of Implied Motion Modulates the Subjective Time Perception. Frontiers in Psychology, 2021, 12, 602872.	1.1	3
96	Frontal Theta Oscillation as a Mechanism for Implicit Gender Stereotype Control: Electrophysiological Evidence From an Extrinsic Affective Simon Task. Frontiers in Human Neuroscience, 2020, 14, 573187.	1.0	3
97	An Event-Related Potential Study of the Neural Response to Inferred Motion in Visual Images of Varying Coherence. Frontiers in Psychology, 2019, 10, 2117.	1.1	2
98	Primary Burkitt's lymphoma of the breast without Epstein-Barr virus infection: A case report and literature review. Indian Journal of Pathology and Microbiology, 2015, 58, 546.	0.1	2
99	Photovoltaics: Quantification of Nano- and Mesoscale Phase Separation and Relation to Donor and Acceptor Quantum Efficiency, J_{sc} , and FF in Polymer:Fullerene Solar Cells (Adv.) Tj ETQq1 1 0.78#314 rgBT /Overl		
100	The Interplay between Topic Shift and Focus in the Dynamic Construction of Discourse Representations. Frontiers in Psychology, 2017, 8, 2184.	1.1	1
101	Music training is associated with better clause segmentation during spoken language processing. Psychonomic Bulletin and Review, 2022, , 1.	1.4	1
102	Word Distance Affects Subjective Temporal Distance. Frontiers in Psychology, 2021, 12, 785303.	1.1	1
103	The neural correlates of Chinese children's spontaneous trait inferences: Behavioral and electrophysiological evidence. PsyCh Journal, 2020, 9, 853-863.	0.5	0