

Jian Chen

List of Publications by Year in descending order

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108
papers

3,679
citations

172207

29
h-index

168136

53
g-index

113
all docs

113
docs citations

113
times ranked

6527
citing authors

#	ARTICLE	IF	CITATIONS
1	ENIGMA and global neuroscience: A decade of large-scale studies of the brain in health and disease across more than 40 countries. <i>Translational Psychiatry</i> , 2020, 10, 100.	2.4	365
2	NAD ⁺ cleavage activity by animal and plant TIR domains in cell death pathways. <i>Science</i> , 2019, 365, 793-799.	6.0	357
3	Stressâ€“glucocorticoidâ€“TSC22D3 axis compromises therapy-induced antitumor immunity. <i>Nature Medicine</i> , 2019, 25, 1428-1441.	15.2	185
4	Design of personnel big data management system based on blockchain. <i>Future Generation Computer Systems</i> , 2019, 101, 1122-1129.	4.9	132
5	A molecular design strategy toward enzyme-activated probes with near-infrared I and II fluorescence for targeted cancer imaging. <i>Chemical Science</i> , 2019, 10, 7222-7227.	3.7	123
6	Design of a programmable biosensor-CRISPRi genetic circuits for dynamic and autonomous dual-control of metabolic flux in <i>Bacillus subtilis</i> . <i>Nucleic Acids Research</i> , 2020, 48, 996-1009.	6.5	111
7	Current status of artificial intelligence applications in urology and their potential to influence clinical practice. <i>BJU International</i> , 2019, 124, 567-577.	1.3	97
8	A deepâ€“learning model using automated performance metrics and clinical features to predict urinary continence recovery after robotâ€“assisted radical prostatectomy. <i>BJU International</i> , 2019, 124, 487-495.	1.3	90
9	Programmable biomolecular switches for rewiring flux in <i>Escherichia coli</i> . <i>Nature Communications</i> , 2019, 10, 3751.	5.8	84
10	Coupling feedback genetic circuits with growth phenotype for dynamic population control and intelligent bioproduction. <i>Metabolic Engineering</i> , 2019, 54, 109-116.	3.6	79
11	Holocene landslide-dammed lake deposits in the Upper Jinsha River, SE Tibetan Plateau and their ages. <i>Quaternary International</i> , 2013, 298, 107-113.	0.7	74
12	Cavitation Erosion Behaviors of a Nickel-Free High-Nitrogen Stainless Steel. <i>Tribology Letters</i> , 2019, 67, 1.	1.2	73
13	Secrecy-Enhancing Design for Cooperative Downlink and Uplink NOMA With an Untrusted Relay. <i>IEEE Transactions on Communications</i> , 2020, 68, 1698-1715.	4.9	72
14	Secure Cooperative Communications With an Untrusted Relay: A NOMA-Inspired Jamming and Relaying Approach. <i>IEEE Transactions on Information Forensics and Security</i> , 2019, 14, 3191-3205.	4.5	71
15	Nobiletin Triggers Reactive Oxygen Species-Mediated Pyroptosis through Regulating Autophagy in Ovarian Cancer Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 1326-1336.	2.4	69
16	Melatonin ameliorates intervertebral disc degeneration via the potential mechanisms of mitophagy induction and apoptosis inhibition. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 2136-2148.	1.6	58
17	Effect of solution treatment on cavitation erosion behavior of high-nitrogen austenitic stainless steel. <i>Wear</i> , 2019, 424-425, 70-77.	1.5	51
18	Experts vs superâ€“experts: differences in automated performance metrics and clinical outcomes for robotâ€“assisted radical prostatectomy. <i>BJU International</i> , 2019, 123, 861-868.	1.3	45

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19	IL-6/YAP1/β-catenin signaling is involved in intervertebral disc degeneration. <i>Journal of Cellular Physiology</i> , 2019, 234, 5964-5971.	2.0	41
20	Formation process of a large paleo-landslide-dammed lake at Xuelongnang in the upper Jinsha River, SE Tibetan Plateau: constraints from OSL and 14C dating. <i>Landslides</i> , 2018, 15, 2399-2412.	2.7	40
21	Chronology of relict lake deposits around the Suwalong paleo-landslide in the upper Jinsha River, SE Tibetan Plateau: Implications to Holocene tectonic perturbations. <i>Geomorphology</i> , 2014, 217, 193-203.	1.1	39
22	Organoarsenical compounds: Occurrence, toxicology and biotransformation. <i>Critical Reviews in Environmental Science and Technology</i> , 2020, 50, 217-243.	6.6	39
23	Properties and microstructure of a natural slip zone in loose deposits of red beds, southwestern China. <i>Engineering Geology</i> , 2014, 183, 53-64.	2.9	38
24	An Adaptive Matrix Pencil Algorithm Based-Wavelet Soft-Threshold Denoising for Analysis of Low Frequency Oscillation in Power Systems. <i>IEEE Access</i> , 2020, 8, 7244-7255.	2.6	38
25	Holocene debris-flow deposits and their implications on the climate in the upper Jinsha River valley, China. <i>Geomorphology</i> , 2008, 93, 493-500.	1.1	37
26	Analysis of a progressive slope failure in the Xiangjiaba reservoir area, Southwest China. <i>Landslides</i> , 2014, 11, 55-66.	2.7	37
27	Charge transfer dynamics in RuO ₂ /perovskite nanohybrid for enhanced electrocatalysis in solid oxide electrolyzers. <i>Nano Energy</i> , 2019, 57, 186-194.	8.2	36
28	EZH2 inhibitor DZNep modulates microglial activation and protects against ischaemic brain injury after experimental stroke. <i>European Journal of Pharmacology</i> , 2019, 857, 172452.	1.7	34
29	Facile synthesis of the desired red phosphor Li ₂ Ca ₂ Mg ₂ Si ₂ N ₆ :Eu ²⁺ for high CRI white LEDs and plant growth LED device. <i>Journal of the American Ceramic Society</i> , 2020, 103, 1773-1781.	1.9	33
30	Liquid Biopsy Applications in the Clinic. <i>Molecular Diagnosis and Therapy</i> , 2020, 24, 125-132.	1.6	33
31	Si/Ti ₃ SiC ₂ composite anode with enhanced elastic modulus and high electronic conductivity for lithium-ion batteries. <i>Journal of Power Sources</i> , 2019, 431, 55-62.	4.0	32
32	Preservation of Post-Infarction Cardiac Structure and Function via Long-Term Oral Formyl Peptide Receptor Agonist Treatment. <i>JACC Basic To Translational Science</i> , 2019, 4, 905-920.	1.9	32
33	Selective intra-arterial brain cooling improves long-term outcomes in a non-human primate model of embolic stroke: Efficacy depending on reperfusion status. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1415-1426.	2.4	28
34	Role of ArsEFG in Roxarsone and Nitarsone Detoxification and Resistance. <i>Environmental Science & Technology</i> , 2019, 53, 6182-6191.	4.6	27
35	16S rRNA sequence embeddings: Meaningful numeric feature representations of nucleotide sequences that are convenient for downstream analyses. <i>PLoS Computational Biology</i> , 2019, 15, e1006721.	1.5	27
36	Design of Secure NOMA Against Full-Duplex Proactive Eavesdropping. <i>IEEE Wireless Communications Letters</i> , 2019, 8, 1090-1094.	3.2	27

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37	Leflunomide versus cyclophosphamide in the induction treatment of proliferative lupus nephritis in Chinese patients: a randomized trial. <i>Clinical Rheumatology</i> , 2019, 38, 859-867.	1.0	27
38	Sedimentary evidence of outburst deposits induced by the Diexi paleolandslide-dammed lake of the upper Minjiang River in China. <i>Quaternary International</i> , 2018, 464, 460-481.	0.7	26
39	Non-canonical RNA polyadenylation polymerase FAM46C is essential for fastening sperm head and flagellum in mice. <i>Biology of Reproduction</i> , 2019, 100, 1673-1685.	1.2	26
40	PBS3 Protects EDS1 from Proteasome-Mediated Degradation in Plant Immunity. <i>Molecular Plant</i> , 2019, 12, 678-688.	3.9	26
41	High-level constitutive expression of leech hyaluronidase with combined strategies in recombinant <i>Pichia pastoris</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1621-1632.	1.7	26
42	The complete mitochondrial genome of <i>Calappa bilineata</i> : The first representative from the family Calappidae and its phylogenetic position within Brachyura. <i>Genomics</i> , 2020, 112, 2516-2523.	1.3	26
43	A modified Logit model for assessment and validation of debris-flow susceptibility. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 4421-4438.	1.6	25
44	Insecticidal Activity of Methyl Benzoate Analogs Against Red Imported Fire Ants, <i>Solenopsis invicta</i> (Hymenoptera: Formicidae). <i>Journal of Economic Entomology</i> , 2019, 112, 691-698.	0.8	24
45	Longitudinal growth of the basal ganglia and thalamus in very preterm children. <i>Brain Imaging and Behavior</i> , 2020, 14, 998-1011.	1.1	24
46	AIM2 deletion promotes neuroplasticity and spatial memory of mice. <i>Brain Research Bulletin</i> , 2019, 152, 85-94.	1.4	23
47	Effect of surgeon experience and bony pelvic dimensions on surgical performance and patient outcomes in robot-assisted radical prostatectomy. <i>BJU International</i> , 2019, 124, 828-835.	1.3	23
48	Brain structure and neurological and behavioural functioning in infants born preterm. <i>Developmental Medicine and Child Neurology</i> , 2019, 61, 820-831.	1.1	23
49	Spatial distribution and susceptibility analyses of pre-earthquake and coseismic landslides related to the Ms 6.5 earthquake of 2014 in Ludian, Yunnan, China. <i>Geocarto International</i> , 2017, 32, 978-989.	1.7	22
50	Ghrelin improves muscle function in dystrophin-deficient mdx mice by inhibiting NLRP3 inflammasome activation. <i>Life Sciences</i> , 2019, 232, 116654.	2.0	22
51	Efficient biosynthesis of 2-keto-D-gluconic acid by fed-batch culture of metabolically engineered <i>Gluconobacter japonicus</i> . <i>Synthetic and Systems Biotechnology</i> , 2019, 4, 134-141.	1.8	22
52	Surgical approach as a determinant factor of clinical outcome following radical cystectomy: Does Enhanced Recovery After Surgery (ERAS) level the playing field?. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2019, 37, 765-773.	0.8	21
53	Jujuboside A prevents sleep loss-induced disturbance of hippocampal neuronal excitability and memory impairment in young APP/PS1 mice. <i>Scientific Reports</i> , 2019, 9, 4512.	1.6	21
54	A concise review of vaccines against <i>Mycoplasma hyopneumoniae</i> . <i>Research in Veterinary Science</i> , 2019, 123, 144-152.	0.9	20

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55	Comprehensive Glycomic Analysis Reveals That Human Serum Albumin Glycation Specifically Affects the Pharmacokinetics and Efficacy of Different Anticoagulant Drugs in Diabetes. <i>Diabetes</i> , 2020, 69, 760-770.	0.3	20
56	Debris-Flow Susceptibility Assessment Model and Its Application in Semiarid Mountainous Areas of the Southeastern Tibetan Plateau. <i>Natural Hazards Review</i> , 2017, 18, .	0.8	19
57	Distributed multi-scenario optimal sizing of integrated electricity and gas system based on ADMM. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 117, 105675.	3.3	19
58	Discrete element modeling of the Hongshiyuan landslide triggered by the 2014 Ms 6.5 Ludian earthquake in Yunnan, China. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	17
59	Reduction of Organoarsenical Herbicides and Antimicrobial Growth Promoters by the Legume Symbiont <i>Sinorhizobium meliloti</i> . <i>Environmental Science & Technology</i> , 2019, 53, 13648-13656.	4.6	17
60	Styloidectomy and Venous Stenting for Treatment of Styloid-Induced Internal Jugular Vein Stenosis: A Case Report and Literature Review. <i>World Neurosurgery</i> , 2019, 130, 129-132.	0.7	17
61	Predictors of successful endovascular treatment in severe cerebral venous sinus thrombosis. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 755-761.	1.7	17
62	Quartz grain surface microtextures of dam-break flood deposits from a landslide-dammed lake: A case study. <i>Sedimentary Geology</i> , 2019, 383, 238-247.	1.0	17
63	Susceptibility Assessments and Validations of Debris-Flow Events in Meizoseismal Areas: Case Study in China's Longxi River Watershed. <i>Natural Hazards Review</i> , 2020, 21, .	0.8	17
64	Joint contractures in severe burn patients with early rehabilitation intervention in one of the largest burn intensive care unit in China: a descriptive analysis. <i>Burns and Trauma</i> , 2019, 7, 17.	2.3	15
65	Fangxiao Formula alleviates airway inflammation and remodeling in rats with asthma via suppression of transforming growth factor- β /Smad3 signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2019, 119, 109429.	2.5	14
66	A Surface-Cofunctionalized Silica Supported Palladium Catalyst for Selective Hydrogenation of Nitrile Butadiene Rubber with Enhanced Catalytic Activity and Recycling Performance. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 11821-11830.	1.8	14
67	Engineering strong and stress-responsive promoters in <i>Bacillus subtilis</i> by interlocking sigma factor binding motifs. <i>Synthetic and Systems Biotechnology</i> , 2019, 4, 197-203.	1.8	14
68	Development of a Combined Genetic Engineering Vaccine for Porcine Circovirus Type 2 and <i>Mycoplasma Hyopneumoniae</i> by a Baculovirus Expression System. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4425.	1.8	13
69	L-type calcium channel modulates mechanosensitivity of the cardiomyocyte cell line H9c2. <i>Cell Calcium</i> , 2019, 79, 68-74.	1.1	13
70	Basal ganglia and thalamic tract connectivity in very preterm and full-term children; associations with 7-year neurodevelopment. <i>Pediatric Research</i> , 2020, 87, 48-56.	1.1	13
71	Comparison of clinical outcomes and automated performance metrics in robot-assisted radical prostatectomy with and without trainee involvement. <i>World Journal of Urology</i> , 2020, 38, 1615-1621.	1.2	13
72	Working memory training and brain structure and function in extremely preterm or extremely low birth weight children. <i>Human Brain Mapping</i> , 2020, 41, 684-696.	1.9	13

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73	Citalopram prevents sleep-deprivation-induced reduction in CaMKII-CREB-BDNF signaling in mouse prefrontal cortex. <i>Brain Research Bulletin</i> , 2020, 155, 11-18.	1.4	13
74	Polyphenol-rich <i>Trapa quadrispinosa</i> pericarp extract ameliorates high-fat diet induced non-alcoholic fatty liver disease by regulating lipid metabolism and insulin resistance in mice. <i>PeerJ</i> , 2019, 7, e8165.	0.9	13
75	Effect of Rare Earth Oxides on Microstructure and Corrosion Behavior of Laser-Cladding Coating on 316L Stainless Steel. <i>Coatings</i> , 2019, 9, 636.	1.2	12
76	SNAIL is induced by tamoxifen and leads to growth inhibition in invasive lobular breast carcinoma. <i>Breast Cancer Research and Treatment</i> , 2019, 175, 327-337.	1.1	12
77	Alpha 2-Macroglobulin as Dual Regulator for Both Anabolism and Catabolism in the Cartilaginous Endplate of Intervertebral Disc. <i>Spine</i> , 2019, 44, E338-E347.	1.0	11
78	Association between Higher Blood Pressure and Risk of Diabetes Mellitus in Middle-Aged and Elderly Chinese Adults. <i>Diabetes and Metabolism Journal</i> , 2020, 44, 436.	1.8	11
79	Ethyl formate fumigation for the disinfestation of red imported fire ants <i>Solenopsis invicta</i> Buren. <i>Journal of Asia-Pacific Entomology</i> , 2019, 22, 838-840.	0.4	10
80	Grain Boundary Josephson Junction Harmonic Mixer Coupled With a Bowtie Loaded Meander Antenna With Zero-Bias Operation. <i>IEEE Transactions on Applied Superconductivity</i> , 2019, 29, 1-4.	1.1	10
81	Sedimentary facies and depositional processes of the Diexi Ancient Dammed Lake, Upper Minjiang River, China. <i>Sedimentary Geology</i> , 2020, 398, 105583.	1.0	10
82	Changes in the Flexion-Relaxation Response After Percutaneous Endoscopic Lumbar Discectomy in Patients with Disc Herniation. <i>World Neurosurgery</i> , 2019, 125, e1042-e1049.	0.7	9
83	Functional characterization of dark sleeper (<i>Odontobutis obscura</i>) IRF3 in IFN regulation. <i>Fish and Shellfish Immunology</i> , 2019, 89, 411-419.	1.6	9
84	M3S: a comprehensive model selection for multi-modal single-cell RNA sequencing data. <i>BMC Bioinformatics</i> , 2019, 20, 672.	1.2	9
85	Polymer-free electrospun separator film comprising silica nanofibers and alumina nanoparticles for Li-ion full cell. <i>Journal of Energy Chemistry</i> , 2020, 42, 217-226.	7.1	9
86	Combined d-Tryptophan Treatment and Temperature Stress Exert Antimicrobial Activity against <i>Listeria monocytogenes</i> in Milk. <i>Journal of Food Protection</i> , 2020, 83, 644-650.	0.8	9
87	Meso/Micro-texture analysis of the landslide-dam outburst sediments in the Upper Jinsha River, SE Tibetan Plateau. <i>Geologia Croatica</i> , 2019, 72, 81-91.	0.3	8
88	Effect of cold work on martensitic transformation of Ni38Ti37V25 alloy reinforced by V nanowires. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152489.	2.8	7
89	Baota landslide in the Three Gorges area and its OSL dating. <i>Environmental Geology</i> , 2008, 54, 417-425.	1.2	5
90	Screening and Identification of Molecular Targets Involved in Preventing Gastric Precancerous Lesions in Chronic Atrophic Gastritis by Qilianshupi Decoction. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 2019, 1-13.	0.5	5

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91	One of us? how facial and symbolic cues to own- versus other-race membership influence access to perceptual awareness. <i>Cognition</i> , 2019, 184, 19-27.	1.1	5
92	Toll-like receptor 7 agonist imiquimod prevents the progression of SLE in MRL/lpr mice via inhibiting the differentiation of T follicular helper cells. <i>International Immunopharmacology</i> , 2020, 80, 106239.	1.7	5
93	CRISPR/Cas9 Ribonucleoprotein-mediated Precise Gene Editing by Tube Electroporation. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	4
94	Single-Trial Recognition of Imagined Forces and Speeds of Hand Clenching Based on Brain Topography and Brain Network. <i>Brain Topography</i> , 2019, 32, 240-254.	0.8	4
95	<i>In Silico</i> Protein Design Promotes the Rapid Evolution of Industrial Enzymes. <i>Biochemistry</i> , 2019, 58, 1451-1453.	1.2	4
96	The morphology and sedimentology of the Walai rock avalanche in southern China, with implications for confined rock avalanches. <i>Geomorphology</i> , 2022, 413, 108346.	1.1	4
97	Simulated microgravity led to increased brown adipose tissue activity in rats. <i>Acta Astronautica</i> , 2019, 160, 538-551.	1.7	3
98	Regional Myocardial Remodeling Characteristics Correlates With Cardiac Events in Sarcoidosis. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 499-509.	1.9	3
99	Exploiting Adaptive Jamming in Secure Cooperative NOMA with an Untrusted Relay. , 2019, , .		2
100	Exploiting Spectrum Access Ability for Cooperative Spectrum Harvesting. <i>IEEE Transactions on Communications</i> , 2019, 67, 1845-1857.	4.9	2
101	GIS-Based Landslide Susceptibility Analyses: Case Studies at Different Scales. <i>Natural Hazards Review</i> , 2021, 22, .	0.8	2
102	Origins of Soft-Sediment Deformation Structures from the Batang Paleodammed Lakes in the Upper Jinsha River, SE Tibetan Plateau. <i>Journal of Geology & Geophysics</i> , 2017, 06, .	0.1	1
103	Biochemical engineering in China. <i>Reviews in Chemical Engineering</i> , 2019, 35, 929-993.	2.3	1
104	Early Pleistocene Debris-Flow Deposits in the Upper Jinsha River, Sw China and their Paleoenvironmental Implications. <i>Journal of Geology & Geophysics</i> , 2017, 06, .	0.1	1
105	Breakage Characteristics of Quartz Sand Based on Ring Shear Tests: Implications for the Fragmentation Processes of Rock Avalanches. <i>Advances in Civil Engineering</i> , 2022, 2022, 1-12.	0.4	1
106	Phylogenetic analysis of the complete mitochondrial genome of <i>Orestias ascotanensis</i> (Cyprinodontiformes, Cyprinodontidae). <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 3884-3885.	0.2	0
107	CNS: CycleGAN-Assisted Neonatal Segmentation Model for Cross-Datasets. <i>Lecture Notes in Computer Science</i> , 2019, , 172-179.	1.0	0
108	Reconstruction of catastrophic outburst floods of the Diexi ancient landslide-dammed lake in the Upper Minjiang River, Eastern Tibetan Plateau. <i>Natural Hazards</i> , 2022, 112, 1191-1221.	1.6	0