

Juan Chen

List of Publications by Year in descending order

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99
papers

8,082
citations

147801

31
h-index

54911

84
g-index

101
all docs

101
docs citations

101
times ranked

17464
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibody responses to SARS-CoV-2 in patients with COVID-19. <i>Nature Medicine</i> , 2020, 26, 845-848.	30.7	2,542
2	Clinical and immunological assessment of asymptomatic SARS-CoV-2 infections. <i>Nature Medicine</i> , 2020, 26, 1200-1204.	30.7	2,499
3	Iodide-Induced Fragmentation of Polymerized Hydrophilic Carbon Nitride for High-Performance Quasi-Homogeneous Photocatalytic H ₂ O ₂ Production. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25546-25550.	13.8	251
4	SIRT2 overexpression in hepatocellular carcinoma mediates epithelial to mesenchymal transition by protein kinase B/glycogen synthase kinase-3 β / β -catenin signaling. <i>Hepatology</i> , 2013, 57, 2287-2298.	7.3	179
5	A Peptide-Based Magnetic Chemiluminescence Enzyme Immunoassay for Serological Diagnosis of Coronavirus Disease 2019. <i>Journal of Infectious Diseases</i> , 2020, 222, 189-193.	4.0	146
6	<i>Spartina alterniflora</i> invasion alters soil bacterial communities and enhances soil N ₂ O emissions by stimulating soil denitrification in mangrove wetland. <i>Science of the Total Environment</i> , 2019, 653, 231-240.	8.0	126
7	Boosting 2e ⁻ oxygen reduction reaction in garland carbon nitride with carbon defects for high-efficient photocatalysis-self-Fenton degradation of 2,4-dichlorophenol. <i>Applied Catalysis B: Environmental</i> , 2022, 307, 121185.	20.2	118
8	Fungal community demonstrates stronger dispersal limitation and less network connectivity than bacterial community in sediments along a large river. <i>Environmental Microbiology</i> , 2020, 22, 832-849.	3.8	115
9	Unraveling the Mechanism on Ultrahigh Efficiency Photocatalytic H ₂ O ₂ Generation for Dual-Heteroatom Incorporated Polymeric Carbon Nitride. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	100
10	Directing Charge Transfer in a Chemical-Bonded BaTiO ₃ @ReS ₂ Schottky Heterojunction for Piezoelectric Enhanced Photocatalysis. <i>Advanced Materials</i> , 2022, 34, e2202508.	21.0	98
11	Biochar accelerates microbial reductive debromination of 2,2,4,4-tetrabromodiphenyl ether (BDE-47) in anaerobic mangrove sediments. <i>Journal of Hazardous Materials</i> , 2018, 341, 177-186.	12.4	91
12	Algal growth and utilization of phosphorus studied by combined mono-culture and co-culture experiments. <i>Environmental Pollution</i> , 2017, 220, 274-285.	7.5	64
13	Tetrandrine, an Activator of Autophagy, Induces Autophagic Cell Death via PKC- β Inhibition and mTOR-Dependent Mechanisms. <i>Frontiers in Pharmacology</i> , 2017, 8, 351.	3.5	56
14	The ROS-mediated activation of STAT-3/VEGF signaling is involved in the 27-hydroxycholesterol-induced angiogenesis in human breast cancer cells. <i>Toxicology Letters</i> , 2016, 264, 79-86.	0.8	55
15	iTRAQ and RNA-Seq Analyses Provide New Insights into Regulation Mechanism of Symbiotic Germination of <i>Dendrobium officinale</i> Seeds (Orchidaceae). <i>Journal of Proteome Research</i> , 2017, 16, 2174-2187.	3.7	55
16	Dam construction alters function and community composition of diazotrophs in riparian soils across an environmental gradient. <i>Soil Biology and Biochemistry</i> , 2019, 132, 14-23.	8.8	55
17	Upregulated in Hepatitis B virus-associated hepatocellular carcinoma cells, miR-331-3p promotes proliferation of hepatocellular carcinoma cells by targeting ING5. <i>Oncotarget</i> , 2015, 6, 38093-38106.	1.8	52
18	Insight into the long-term effect of mangrove species on removal of polybrominated diphenyl ethers (PBDEs) from BDE-47 contaminated sediments. <i>Science of the Total Environment</i> , 2017, 575, 390-399.	8.0	51

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19	Construction of silver iodide/silver/bismuth tantalate Z-scheme photocatalyst for effective visible light degradation of organic pollutants. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 190-200.	9.4	49
20	27-Hydroxycholesterol induces invasion and migration of breast cancer cells by increasing MMP9 and generating EMT through activation of STAT-3. <i>Environmental Toxicology and Pharmacology</i> , 2017, 51, 1-8.	4.0	44
21	Anthropogenic disturbances on antibiotic resistome along the Yarlung Tsangpo River on the Tibetan Plateau: Ecological dissemination mechanisms of antibiotic resistance genes to bacterial pathogens. <i>Water Research</i> , 2021, 202, 117447.	11.3	44
22	Difunctional Cu-doped carbon dots: catalytic activity and fluorescence indication for the reduction reaction of p-nitrophenol. <i>RSC Advances</i> , 2017, 7, 33929-33936.	3.6	42
23	Bacterial Communities in Riparian Sediments: A Large-Scale Longitudinal Distribution Pattern and Response to Dam Construction. <i>Frontiers in Microbiology</i> , 2018, 9, 999.	3.5	41
24	Depletion of Sirtuin 1 (SIRT1) Leads to Epigenetic Modifications of Telomerase (TERT) Gene in Hepatocellular Carcinoma Cells. <i>PLoS ONE</i> , 2014, 9, e84931.	2.5	40
25	HBx-elevated SIRT2 promotes HBV replication and hepatocarcinogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 904-910.	2.1	40
26	How bacterioplankton community can go with cascade damming in the highly regulated Lancang-Mekong River Basin. <i>Molecular Ecology</i> , 2018, 27, 4444-4458.	3.9	40
27	Study on the Coagulation Mechanism of Wet-Spinning PAN Fibers. <i>Journal of Polymer Research</i> , 2006, 13, 515-519.	2.4	39
28	The repressive effect of miR-148a on Wnt/ β -catenin signaling involved in Glabridin-induced anti-angiogenesis in human breast cancer cells. <i>BMC Cancer</i> , 2017, 17, 307.	2.6	39
29	Understanding the mechanism of interfacial interaction enhancing photodegradation rate of pollutants at molecular level: Intermolecular π - π interactions favor electrons delivery. <i>Journal of Hazardous Materials</i> , 2022, 430, 128386.	12.4	39
30	Epirubicin directly promotes hepatitis B virus (HBV) replication in stable HBV-expressing cell lines: A novel mechanism of HBV reactivation following anticancer chemotherapy. <i>Molecular Medicine Reports</i> , 2014, 9, 1345-1350.	2.4	37
31	Distinct Assembly Mechanisms Underlie Similar Biogeographic Patterns of Rare and Abundant Bacterioplankton in Cascade Reservoirs of a Large River. <i>Frontiers in Microbiology</i> , 2020, 11, 158.	3.5	37
32	The SIRT1 inhibitor, nicotinamide, inhibits hepatitis B virus replication in vitro and in vivo. <i>Archives of Virology</i> , 2016, 161, 621-630.	2.1	35
33	Immune memory in convalescent patients with asymptomatic or mild COVID-19. <i>Cell Discovery</i> , 2021, 7, 18.	6.7	35
34	Genomic and transcriptomic analyses reveal differential regulation of diverse terpenoid and polyketides secondary metabolites in <i>Hericium erinaceus</i> . <i>Scientific Reports</i> , 2017, 7, 10151.	3.3	33
35	Proteome and calcium-related gene expression in <i>Pinus massoniana</i> needles in response to acid rain under different calcium levels. <i>Plant and Soil</i> , 2014, 380, 285-303.	3.7	31
36	Upregulation of UBE2Q1 via gene copy number gain in hepatocellular carcinoma promotes cancer progression through β -catenin-EGFR-PI3K-Akt-mTOR signaling pathway. <i>Molecular Carcinogenesis</i> , 2018, 27, 201-215.	5.7	31

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37	Highly efficient adsorption of uranium(U^{VI}) from aqueous solution by a novel adsorbent: titanium phosphate nanotubes. <i>Environmental Science: Nano</i> , 2018, 5, 2304-2314.	4.3	29
38	Chinese Black Truffle-Associated Bacterial Communities of <i>Tuber indicum</i> From Different Geographical Regions With Nitrogen Fixing Bioactivity. <i>Frontiers in Microbiology</i> , 2019, 10, 2515.	3.5	29
39	Changes in microbial community during removal of BDE-153 in four types of aquatic sediments. <i>Science of the Total Environment</i> , 2018, 613-614, 644-652.	8.0	27
40	Anthropogenic disturbances on distribution and sources of pharmaceuticals and personal care products throughout the Jinsha River Basin, China. <i>Environmental Research</i> , 2021, 198, 110449.	7.5	27
41	Antioxidative response of <i>Kandelia obovata</i> , a true mangrove species, to polybrominated diphenyl ethers (BDE-99 and BDE-209) during germination and early growth. <i>Marine Pollution Bulletin</i> , 2017, 124, 1063-1070.	5.0	26
42	N-Desmethylauricidine Induces Autophagic Cell Death in Apoptosis-Defective Cells via Ca^{2+} Mobilization. <i>Frontiers in Pharmacology</i> , 2017, 8, 388.	3.5	26
43	Time course of amodal completion in face perception. <i>Vision Research</i> , 2009, 49, 752-758.	1.4	25
44	Spatial distribution and diversity of organohalide-respiring bacteria and their relationships with polybrominated diphenyl ether concentration in Taihu Lake sediments. <i>Environmental Pollution</i> , 2018, 232, 200-211.	7.5	25
45	Vertical distribution of dehalogenating bacteria in mangrove sediment and their potential to remove polybrominated diphenyl ether contamination. <i>Marine Pollution Bulletin</i> , 2017, 124, 1055-1062.	5.0	24
46	Effects of decabromodiphenyl ether on activity, abundance, and community composition of phosphorus mineralizing bacteria in eutrophic lake sediments. <i>Science of the Total Environment</i> , 2019, 695, 133785.	8.0	24
47	Degradation of BDE-47 in mangrove sediments under alternating anaerobic-aerobic conditions. <i>Journal of Hazardous Materials</i> , 2019, 378, 120709.	12.4	24
48	Functional analysis of miR-181a and Fas involved in hepatitis B virus-related hepatocellular carcinoma pathogenesis. <i>Experimental Cell Research</i> , 2015, 331, 352-361.	2.6	21
49	Variation of bacterioplankton community along an urban river impacted by touristic city: With a focus on pathogen. <i>Ecotoxicology and Environmental Safety</i> , 2018, 165, 573-581.	6.0	21
50	Ecological insights into the disturbances in bacterioplankton communities due to emerging organic pollutants from different anthropogenic activities along an urban river. <i>Science of the Total Environment</i> , 2021, 796, 148973.	8.0	20
51	Effect of coagulation temperature on the properties of poly(acrylonitrile- itaconic acid) fibers in wet spinning. <i>Journal of Polymer Research</i> , 2007, 14, 223-228.	2.4	19
52	Ecological insights into the elevational biogeography of antibiotic resistance genes in a pristine river: Metagenomic analysis along the Yarlung Tsangpo River on the Tibetan Plateau. <i>Environmental Pollution</i> , 2021, 286, 117101.	7.5	19
53	Chemical Composition and Antioxidant Activity of <i>Tuber indicum</i> from Different Geographical Regions of China. <i>Chemistry and Biodiversity</i> , 2019, 16, e1800609.	2.1	18
54	Hepatitis B virus X protein modulates upregulation of DHX9 to promote viral DNA replication. <i>Cellular Microbiology</i> , 2020, 22, e13148.	2.1	17

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55	Ultrafast photocatalytic degradation of nitenpyram by 2D ultrathin Bi ₂ WO ₆ : mechanism, pathways and environmental factors. <i>Rare Metals</i> , 2022, 41, 2439-2452.	7.1	16
56	Effects of decabromodiphenyl ether and planting on the abundance and community composition of nitrogen-fixing bacteria and ammonia oxidizers in mangrove sediments: A laboratory microcosm study. <i>Science of the Total Environment</i> , 2018, 616-617, 1045-1055.	8.0	15
57	Genome-wide analysis and prediction of genes involved in the biosynthesis of polysaccharides and bioactive secondary metabolites in high-temperature-tolerant wild <i>Flammulina filiformis</i> . <i>BMC Genomics</i> , 2020, 21, 719.	2.8	14
58	Fabrication of highly active phosphatase-like fluorescent cerium-doped carbon dots for <i>in situ</i> monitoring the hydrolysis of phosphate diesters. <i>RSC Advances</i> , 2020, 10, 41551-41559.	3.6	13
59	Sedimentary microeukaryotes reveal more dispersal limitation and form networks with less connectivity than planktonic microeukaryotes in a highly regulated river. <i>Freshwater Biology</i> , 2021, 66, 826-841.	2.4	13
60	Distinct strategies of abundant and rare bacterioplankton in river-reservoir system: Evidence from a 2800 km plateau river. <i>Environmental Research</i> , 2021, 199, 111418.	7.5	12
61	Land-use change has a greater effect on soil diazotrophic community structure than the plant rhizosphere in acidic ferralsols in southern China. <i>Plant and Soil</i> , 2021, 462, 445-458.	3.7	11
62	Influence of pH on hexavalent chromium reduction by Fe(II) and sulfide compounds. <i>Water Science and Technology</i> , 2015, 72, 22-28.	2.5	10
63	Do bacterioplankton respond equally to different river regulations? A quantitative study in the single-dammed Yarlung Tsangpo River and the cascade-dammed Lancang River. <i>Environmental Research</i> , 2020, 191, 110194.	7.5	10
64	Deep Sequencing Analysis of HBV Genotype Shift and Correlation with Antiviral Efficiency during Adefovir Dipivoxil Therapy. <i>PLoS ONE</i> , 2015, 10, e0131337.	2.5	9
65	S-phase arrest after vincristine treatment may promote hepatitis B virus replication. <i>World Journal of Gastroenterology</i> , 2015, 21, 1498.	3.3	9
66	How wastewater with different nutrient levels influences microbial degradation of 2,2,4,4-tetrabromodiphenyl ether (BDE-47) in anaerobic sediments. <i>Chemosphere</i> , 2018, 211, 128-138.	8.2	9
67	Experiments on Laminar Flow between Parallel Plates with a Heterogeneous Slip/No-Slip Surface. <i>Tribology Transactions</i> , 2019, 62, 801-811.	2.0	9
68	Degradation of BDE-47 in mangrove sediments with amendment of extra carbon sources. <i>Marine Pollution Bulletin</i> , 2020, 153, 110972.	5.0	9
69	Proteomic investigation of Zn-challenged rice roots reveals adverse effects and root physiological adaptation. <i>Plant and Soil</i> , 2021, 460, 69-88.	3.7	9
70	Deciphering the effects of CeO ₂ nanoparticles on <i>Escherichia coli</i> in the presence of ferrous and sulfide ions: Physicochemical transformation-induced toxicity and detoxification mechanisms. <i>Journal of Hazardous Materials</i> , 2021, 413, 125300.	12.4	9
71	Probing the role of surface acid sites on the photocatalytic degradation of tetracycline hydrochloride over cerium doped CdS <i>via</i> experiments and theoretical calculations. <i>Dalton Transactions</i> , 2021, 50, 16620-16630.	3.3	9
72	<i>Armillaria mellea</i> Symbiosis Drives Metabolomic and Transcriptomic Changes in <i>Polyporus umbellatus</i> <i>Sclerotia</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 792530.	3.5	9

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73	How sediment bacterial community shifts along the urban river located in mining city. <i>Environmental Science and Pollution Research</i> , 2021, 28, 42300-42312.	5.3	8
74	Long-term effects of decabromodiphenyl ether on denitrification in eutrophic lake sediments: Different sensitivity of six-type denitrifying bacteria. <i>Science of the Total Environment</i> , 2021, 774, 145147.	8.0	8
75	Frequency-Diverse Metamaterial Cavity Antenna for Microwave Coincidence Imaging. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 1103-1107.	4.0	8
76	Insight into microbial degradation of hexabromocyclododecane (HBCD) in lake sediments under different hydrodynamic conditions. <i>Science of the Total Environment</i> , 2022, 827, 154358.	8.0	8
77	Enhancement effect of nanoscale zero-valent iron addition on microbial degradation of BDE-209 in contaminated mangrove sediment. <i>Science of the Total Environment</i> , 2021, 781, 146702.	8.0	7
78	Iodide-Induced Fragmentation of Polymerized Hydrophilic Carbon Nitride for High Performance Quasi-Homogeneous Photocatalytic H ₂ O ₂ Production. <i>Angewandte Chemie</i> , 0, , .	2.0	7
79	Surface Complex and Nonradical Pathways Contributing to High-Efficiency Degradation of Perfluorooctanoic Acid on Oxygen-Deficient In ₂ O ₃ Derived from an In-Based Metal Organic Framework. <i>ACS ES&T Water</i> , 2022, 2, 1344-1352.	4.6	7
80	How dam construction affects the activity of alkaline phosphatases in reservoir sediments: A study of two highly regulated rivers. <i>Environmental Research</i> , 2022, 207, 112236.	7.5	6
81	Experimental investigation of disc partial surface texture on the generation of hydrodynamic lubricating performance under conformal contact condition. <i>AIP Advances</i> , 2018, 8, 125205.	1.3	5
82	Effects of texture geometry on the tribological performance of brass with a TiN coating under lubricated rotation. <i>AIP Advances</i> , 2019, 9, .	1.3	5
83	Formation of chukanovite in simulated groundwater containing. <i>Environmental Technology (United Kingdom)</i> 1 0.784314 10.1080/09593099.2022.2084314	2.2	4
84	Identification and expression of DoCCaMK during <i>Sebacina</i> sp. symbiosis of <i>Dendrobium officinale</i> . <i>Scientific Reports</i> , 2020, 10, 9733.	3.3	4
85	Spatial distribution and solubilization characteristics of metal(loid)s in riparian soils within reservoirs along the middle Jinsha River. <i>Journal of Soils and Sediments</i> , 2021, 21, 3515-3527.	3.0	4
86	Two New Borates Built by Different Types of {B ₉ } Cluster Units. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 744-749.	2.6	4
87	A novel baseline hepatitis B virus sequencing-based strategy for predicting adefovir antiviral response. <i>Infection, Genetics and Evolution</i> , 2015, 33, 269-276.	2.3	3
88	The Infection Efficiency and Replication Ability of Circularized HBV DNA Optimized the Linear HBV DNA in Vitro and in Vivo. <i>International Journal of Molecular Sciences</i> , 2015, 16, 5141-5160.	4.1	3
89	Backstepping-based observer for output feedback stabilization of a boundary controlled fractional reaction diffusion system. , 2017, , .		3
90	Investigation of the rheological behavior of activated sludge in response to CeO ₂ nanoparticles and potential mechanism. <i>Environmental Science and Pollution Research</i> , 2018, 25, 29725-29733.	5.3	3

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91	Phenolics, flavonoids content and antioxidant activities of <i>Tuber indicum</i> at different maturity stages. <i>Chemistry and Biodiversity</i> , 2022, , .	2.1	3
92	Proteomic Analysis Reveals Nitric Oxide Functions in Promoting Etiolated Barley Seedlings Greening. <i>Crop Science</i> , 2014, 54, 757-769.	1.8	2
93	Fluorescent protein tagged hepatitis B virus capsid protein with long glycine-serine linker that supports nucleocapsid formation. <i>Journal of Virological Methods</i> , 2018, 255, 52-59.	2.1	2
94	Unexpected transcriptome <i>pompT</i> ^{Δ1} contributes to the increased pathogenicity of a <i>pompT</i> mutant of avian pathogenic <i>Escherichia coli</i> . <i>Veterinary Microbiology</i> , 2019, 228, 61-68.	1.9	2
95	Analysis of Line Contact Elastohydrodynamic Lubrication with the Particles under Rough Contact Surface. <i>Advances in Materials Science and Engineering</i> , 2020, 2020, 1-12.	1.8	2
96	The Influence of Induced Emotions on Distance and Size Perception and on the Grip Scaling During Grasping. <i>Frontiers in Psychology</i> , 2021, 12, 651885.	2.1	2
97	Microbial communities of ascocarps and soils in a natural habitat of <i>Tuber indicum</i> . <i>Archives of Microbiology</i> , 2022, 204, 189.	2.2	2
98	Protein sensors combining both on-and-off model for antibody homogeneous assay. <i>Biosensors and Bioelectronics</i> , 2022, 209, 114226.	10.1	2
99	Effects of Heterogeneous Particle Parameters on Micro-EHL Lubrication on Composite Surface in Line Contact. <i>International Journal of Precision Engineering and Manufacturing</i> , 2021, 22, 1989-1999.	2.2	1