

# 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	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
2	Phenolics, flavonoids content and antioxidant activities of <i>Tuber indicum</i> at different maturity stages. <i>Chemistry and Biodiversity</i> , 2022, , .	2.1	3
3	Understanding the mechanism of interfacial interaction enhancing photodegradation rate of pollutants at molecular level: Intermolecular H <sub>2</sub> O <sub>2</sub> interactions favor electrons delivery. <i>Journal of Hazardous Materials</i> , 2022, 430, 128386.	12.4	39
4	Boosting 2e <sup>-</sup> 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
5	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
6	Two New Borates Built by Different Types of {B <sub>9</sub> } Cluster Units. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 744-749.	2.6	4
7	Protein sensors combining both on-and-off model for antibody homogeneous assay. <i>Biosensors and Bioelectronics</i> , 2022, 209, 114226.	10.1	2
8	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
9	Ultrafast photocatalytic degradation of nitenpyram by 2D ultrathin Bi <sub>2</sub> WO <sub>6</sub> : mechanism, pathways and environmental factors. <i>Rare Metals</i> , 2022, 41, 2439-2452.	7.1	16
10	Directing Charge Transfer in a Chemical-Bonded BaTiO <sub>3</sub> @ReS <sub>2</sub> Schottky Heterojunction for Piezoelectric Enhanced Photocatalysis. <i>Advanced Materials</i> , 2022, 34, e2202508.	21.0	98
11	Unraveling the Mechanism on Ultrahigh Efficiency Photocatalytic H <sub>2</sub> O <sub>2</sub> Generation for Dual-Heteroatom Incorporated Polymeric Carbon Nitride. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	100
12	Surface Complex and Nonradical Pathways Contributing to High-Efficiency Degradation of Perfluorooctanoic Acid on Oxygen-Deficient In <sub>2</sub> O <sub>3</sub> Derived from an In-Based Metal Organic Framework. <i>ACS ES&amp;T Water</i> , 2022, 2, 1344-1352.	4.6	7
13	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
14	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
15	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
16	Immune memory in convalescent patients with asymptomatic or mild COVID-19. <i>Cell Discovery</i> , 2021, 7, 18.	6.7	35
17	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
18	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

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19	Deciphering the effects of CeO <sub>2</sub> nanoparticles on Escherichia coli in the presence of ferrous and sulfide ions: Physicochemical transformation-induced toxicity and detoxification mechanisms. Journal of Hazardous Materials, 2021, 413, 125300.	12.4	9
20	Distinct strategies of abundant and rare bacterioplankton in river-reservoir system: Evidence from a 2800km plateau river. Environmental Research, 2021, 199, 111418.	7.5	12
21	Spatial distribution and solubilization characteristics of metal(loid)s in riparian soils within reservoirs along the middle Jinsha River. Journal of Soils and Sediments, 2021, 21, 3515-3527.	3.0	4
22	Enhancement effect of nanoscale zero-valent iron addition on microbial degradation of BDE-209 in contaminated mangrove sediment. Science of the Total Environment, 2021, 781, 146702.	8.0	7
23	Iodide-Induced Fragmentation of Polymerized Hydrophilic Carbon Nitride for High-Performance Quasi-Homogeneous Photocatalytic H <sub>2</sub> O <sub>2</sub> Production. Angewandte Chemie - International Edition, 2021, 60, 25546-25550.	13.8	251
24	The Influence of Induced Emotions on Distance and Size Perception and on the Grip Scaling During Grasping. Frontiers in Psychology, 2021, 12, 651885.	2.1	2
25	Anthropogenic disturbances on antibiotic resistome along the Yarlung Tsangpo River on the Tibetan Plateau: Ecological dissemination mechanisms of antibiotic resistance genes to bacterial pathogens. Water Research, 2021, 202, 117447.	11.3	44
26	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. Environmental Pollution, 2021, 286, 117101.	7.5	19
27	Ecological insights into the disturbances in bacterioplankton communities due to emerging organic pollutants from different anthropogenic activities along an urban river. Science of the Total Environment, 2021, 796, 148973.	8.0	20
28	Frequency-Diverse Metamaterial Cavity Antenna for Microwave Coincidence Imaging. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1103-1107.	4.0	8
29	Sedimentary microeukaryotes reveal more dispersal limitation and form networks with less connectivity than planktonic microeukaryotes in a highly regulated river. Freshwater Biology, 2021, 66, 826-841.	2.4	13
30	Effects of Heterogeneous Particle Parameters on Micro-EHL Lubrication on Composite Surface in Line Contact. International Journal of Precision Engineering and Manufacturing, 2021, 22, 1989-1999.	2.2	1
31	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. Dalton Transactions, 2021, 50, 16620-16630.	3.3	9
32	Armillaria mellea Symbiosis Drives Metabolomic and Transcriptomic Changes in Polyporus umbellatus Sclerotia. Frontiers in Microbiology, 2021, 12, 792530.	3.5	9
33	Fungal community demonstrates stronger dispersal limitation and less network connectivity than bacterial community in sediments along a large river. Environmental Microbiology, 2020, 22, 832-849.	3.8	115
34	Hepatitis B virus X protein modulates upregulation of DHX9 to promote viral DNA replication. Cellular Microbiology, 2020, 22, e13148.	2.1	17
35	Genome-wide analysis and prediction of genes involved in the biosynthesis of polysaccharides and bioactive secondary metabolites in high-temperature-tolerant wild Flammulina filiformis. BMC Genomics, 2020, 21, 719.	2.8	14
36	Do bacterioplankton respond equally to different river regulations? A quantitative study in the single-dammed Yarlung Tsangpo River and the cascade-dammed Lancang River. Environmental Research, 2020, 191, 110194.	7.5	10

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37	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
38	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
39	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
40	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
41	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
42	Antibody responses to SARS-CoV-2 in patients with COVID-19. <i>Nature Medicine</i> , 2020, 26, 845-848.	30.7	2,542
43	Degradation of BDE-47 in mangrove sediments with amendment of extra carbon sources. <i>Marine Pollution Bulletin</i> , 2020, 153, 110972.	5.0	9
44	Clinical and immunological assessment of asymptomatic SARS-CoV-2 infections. <i>Nature Medicine</i> , 2020, 26, 1200-1204.	30.7	2,499
45	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
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	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
48	Degradation of BDE-47 in mangrove sediments under alternating anaerobic-aerobic conditions. <i>Journal of Hazardous Materials</i> , 2019, 378, 120709.	12.4	24
49	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
50	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
51	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
52	Unexpected transcriptome <i>pompT</i> <sup>Δ1</sup> 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
53	<i>Spartina alterniflora</i> invasion alters soil bacterial communities and enhances soil N <sub>2</sub> O emissions by stimulating soil denitrification in mangrove wetland. <i>Science of the Total Environment</i> , 2019, 653, 231-240.	8.0	126
54	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

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55	HBx-elevated SIRT2 promotes HBV replication and hepatocarcinogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 904-910.	2.1	40
56	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
57	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
58	Upregulation of UBE2Q1 via gene copy number gain in hepatocellular carcinoma promotes cancer progression through $\beta$ -catenin/EGFR/PI3K/Akt/mTOR signaling pathway. <i>Molecular Carcinogenesis</i> , 2018, 57, 201-215.	5.7	31
59	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
60	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
61	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
62	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
63	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
64	Highly efficient adsorption of uranium( <sup>VI</sup> ) from aqueous solution by a novel adsorbent: titanium phosphate nanotubes. <i>Environmental Science: Nano</i> , 2018, 5, 2304-2314.	4.3	29
65	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
66	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
67	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
68	Investigation of the rheological behavior of activated sludge in response to CeO <sub>2</sub> nanoparticles and potential mechanism. <i>Environmental Science and Pollution Research</i> , 2018, 25, 29725-29733.	5.3	3
69	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
70	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
71	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
72	The repressive effect of miR-148a on Wnt/ $\beta$ -catenin signaling involved in Glabridin-induced anti-angiogenesis in human breast cancer cells. <i>BMC Cancer</i> , 2017, 17, 307.	2.6	39

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73	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
74	Genomic and transcriptomic analyses reveal differential regulation of diverse terpenoid and polyketides secondary metabolites in <i>Herichium erinaceus</i> . <i>Scientific Reports</i> , 2017, 7, 10151.	3.3	33
75	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
76	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
77	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
78	Backstepping-based observer for output feedback stabilization of a boundary controlled fractional reaction diffusion system. , 2017, , .		3
79	Tetrandrine, an Activator of Autophagy, Induces Autophagic Cell Death via PKC- $\zeta$ Inhibition and mTOR-Dependent Mechanisms. <i>Frontiers in Pharmacology</i> , 2017, 8, 351.	3.5	56
80	N-Desmethyldauricine Induces Autophagic Cell Death in Apoptosis-Defective Cells via Ca <sup>2+</sup> Mobilization. <i>Frontiers in Pharmacology</i> , 2017, 8, 388.	3.5	26
81	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
82	Formation of chukanovite in simulated groundwater containing. <i>Environmental Technology (United Kingdom)</i> 2017, 38, 1075-1084.	2.2	4
83	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
84	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
85	S-phase arrest after vincristine treatment may promote hepatitis B virus replication. <i>World Journal of Gastroenterology</i> , 2015, 21, 1498.	3.3	9
86	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
87	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
88	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
89	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
90	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

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91	Proteomic Analysis Reveals Nitric Oxide Functions in Promoting Etiolated Barley Seedlings Greening. <i>Crop Science</i> , 2014, 54, 757-769.	1.8	2
92	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
93	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
94	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
95	SIRT2 overexpression in hepatocellular carcinoma mediates epithelial to mesenchymal transition by protein kinase B/glycogen synthase kinase-3 $\beta$ /E-cadherin signaling. <i>Hepatology</i> , 2013, 57, 2287-2298.	7.3	179
96	Time course of amodal completion in face perception. <i>Vision Research</i> , 2009, 49, 752-758.	1.4	25
97	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
98	Study on the Coagulation Mechanism of Wet-Spinning PAN Fibers. <i>Journal of Polymer Research</i> , 2006, 13, 515-519.	2.4	39
99	Iodide-Induced Fragmentation of Polymerized Hydrophilic Carbon Nitride for High Performance Quasi-Homogeneous Photocatalytic H <sub>2</sub> O <sub>2</sub> Production. <i>Angewandte Chemie</i> , 0, , .	2.0	7