

# Chengjun Sun

## List of Publications by Year in descending order

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76  
papers

3,403  
citations

172386

29  
h-index

149623

56  
g-index

76  
all docs

76  
docs citations

76  
times ranked

3397  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoaging Characteristics of Disposable Masks under UV Irradiation. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 170.	1.2	5
2	Occurrence and Seasonal Variation of Microplastics in the Effluent from Wastewater Treatment Plants in Qingdao, China. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 58.	1.2	21
3	Occurrence and spatial distribution of trace metals in seawaters of the Drake Passage and Antarctic Peninsula. <i>Marine Pollution Bulletin</i> , 2022, 176, 113387.	2.3	1
4	Linking the physical and chemical characteristics of single small microplastics or nanoplastics via photolithographic silicon substrates. <i>Analytical Methods</i> , 2022, 14, 1547-1552.	1.3	2
5	Study on the Bacterial Communities of the Biofilms on Titanium, Aluminum, and Copper Alloys at 5,772 m Undersea in Yap Trench. <i>Frontiers in Microbiology</i> , 2022, 13, 831984.	1.5	2
6	Atmospheric microplastics in the Northwestern Pacific Ocean: Distribution, source, and deposition. <i>Science of the Total Environment</i> , 2022, 829, 154337.	3.9	53
7	Global transportation of plastics and microplastics: A critical review of pathways and influences. <i>Science of the Total Environment</i> , 2022, 831, 154884.	3.9	41
8	A Meta-Analysis of the Characterisations of Plastic Ingested by Fish Globally. <i>Toxics</i> , 2022, 10, 186.	1.6	19
9	Microplastics in global bivalve mollusks: A call for protocol standardization. <i>Journal of Hazardous Materials</i> , 2022, 438, 129490.	6.5	29
10	Novel plate-on-plate hollow structured BiOBr/Bi <sub>2</sub> MoO <sub>6</sub> p-n heterojunctions: In-situ chemical etching preparation and highly improved photocatalytic antibacterial activity. <i>Separation and Purification Technology</i> , 2022, 298, 121666.	3.9	19
11	Facile fabrication of a novel spindlelike MoS <sub>2</sub> /BiVO <sub>4</sub> Z-scheme heterostructure with superior visible-light-driven photocatalytic disinfection performance. <i>Separation and Purification Technology</i> , 2022, 299, 121706.	3.9	13
12	Distribution pattern and geochemical analysis of rare earth elements in deep-ocean sediments. <i>Journal of Oceanology and Limnology</i> , 2021, 39, 79-88.	0.6	0
13	New insights into the toxic interactions of polyvinyl chloride microplastics with bovine serum albumin. <i>Environmental Science and Pollution Research</i> , 2021, 28, 5520-5531.	2.7	14
14	Novel Z-scheme MoS <sub>2</sub> /Bi <sub>2</sub> WO <sub>6</sub> heterojunction with highly enhanced photocatalytic activity under visible light irradiation. <i>Journal of Alloys and Compounds</i> , 2021, 854, 157224.	2.8	68
15	Methods for microplastic sampling and analysis in the seawater and fresh water environment. <i>Methods in Enzymology</i> , 2021, 648, 27-45.	0.4	10
16	Comparative study of three sampling methods for microplastics analysis in seawater. <i>Science of the Total Environment</i> , 2021, 765, 144495.	3.9	50
17	Colorimetric determination of hydrogen peroxide based on the robust peroxidase-like activities of flower-like YVO <sub>4</sub> microstructures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 618, 126427.	2.3	7
18	The seasonal distribution characteristics of microplastics on bathing beaches along the coast of Qingdao, China. <i>Science of the Total Environment</i> , 2021, 783, 146969.	3.9	44

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19	Microplastics in four bivalve species and basis for using bivalves as bioindicators of microplastic pollution. <i>Science of the Total Environment</i> , 2021, 782, 146830.	3.9	115
20	Rapid nitrate determination with a portable lab-on-chip device based on double microstructured assisted reactors. <i>Lab on A Chip</i> , 2021, 21, 1109-1117.	3.1	25
21	The characteristic change of plastic film from common used packing bags under UV photodegradation. <i>Chinese Science Bulletin</i> , 2021, 66, 1571-1579.	0.4	3
22	Water characteristics of abyssal and hadal zones in the southern Yap Trench observed with the submersible Jiaolong. <i>Journal of Oceanology and Limnology</i> , 2020, 38, 593-605.	0.6	8
23	Geochemical characteristics of hadal sediment in the northern Yap Trench. <i>Journal of Oceanology and Limnology</i> , 2020, 38, 650-664.	0.6	10
24	Comparison of sedimentary organic carbon loading in the Yap Trench and other marine environments. <i>Journal of Oceanology and Limnology</i> , 2020, 38, 619-633.	0.6	3
25	Characteristics of the archaeal and bacterial communities in core sediments from Southern Yap Trench via in situ sampling by the manned submersible Jiaolong. <i>Science of the Total Environment</i> , 2020, 703, 134884.	3.9	26
26	Distribution Characteristics and Influencing Factors of Microplastics in Urban Tap Water and Water Sources in Qingdao, China. <i>Analytical Letters</i> , 2020, 53, 1312-1327.	1.0	51
27	Current distribution characteristics of trace elements in the coral-reef systems of Xisha Islands, China. <i>Marine Pollution Bulletin</i> , 2020, 150, 110737.	2.3	13
28	Occurrence of microplastics carried on <i>Ulva prolifera</i> from the Yellow Sea, China. <i>Case Studies in Chemical and Environmental Engineering</i> , 2020, 2, 100054.	2.9	20
29	The interactions between microplastic polyvinyl chloride and marine diatoms: Physiological, morphological, and growth effects. <i>Ecotoxicology and Environmental Safety</i> , 2020, 203, 111000.	2.9	57
30	Probing the toxic interactions between polyvinyl chloride microplastics and Human Serum Albumin by multispectroscopic techniques. <i>Science of the Total Environment</i> , 2020, 734, 139219.	3.9	52
31	Nearest vent, dearest friend: biodiversity of Tiancheng vent field reveals cross-ridge similarities in the Indian Ocean. <i>Royal Society Open Science</i> , 2020, 7, 200110.	1.1	31
32	Distribution characteristics of lipids in hadal sediment in the Yap Trench. <i>Journal of Oceanology and Limnology</i> , 2020, 38, 634-649.	0.6	6
33	Colorimetric detection of H <sub>2</sub> O <sub>2</sub> based on the enhanced peroxidase mimetic activity of nanoparticles decorated Ce <sub>2</sub> (WO <sub>4</sub> ) <sub>3</sub> nanosheets. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 239, 118499.	2.0	13
34	An examination of the occurrence and potential risks of microplastics across various shellfish. <i>Science of the Total Environment</i> , 2020, 739, 139887.	3.9	93
35	Enhanced oxidase-like activity of Ag@Ag <sub>2</sub> WO <sub>4</sub> nanorods for colorimetric detection of Hg <sup>2+</sup> . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125203.	2.3	16
36	Towards the understanding from sea surface to hadal zone—A multidisciplinary study of the Yap Trench. <i>Journal of Oceanology and Limnology</i> , 2020, 38, 591-592.	0.6	1

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37	Vertical variations of dissolved carbohydrates in the North Yap Trench. <i>Journal of Oceanology and Limnology</i> , 2020, 38, 606-618.	0.6	2
38	Colorimetric determination of Hg <sup>2+</sup> based on the mercury-stimulated oxidase mimetic activity of Ag <sub>3</sub> PO <sub>4</sub> microcubes. <i>Mikrochimica Acta</i> , 2020, 187, 422.	2.5	13
39	CoMoO <sub>4</sub> nanobelts as efficient peroxidase mimics for the colorimetric determination of H <sub>2</sub> O <sub>2</sub> . <i>Mikrochimica Acta</i> , 2020, 187, 424.	2.5	21
40	Vertical distribution of microplastics in bay sediment reflecting effects of sedimentation dynamics and anthropogenic activities. <i>Marine Pollution Bulletin</i> , 2020, 152, 110885.	2.3	77
41	A Portable and Accurate Phosphate Sensor Using a Gradient Fabry-Pérot Array. <i>ACS Sensors</i> , 2020, 5, 1381-1388.	4.0	36
42	Low-molecular-weight organic acids as important factors impacting seawater acidification: A case study in the Jiaozhou Bay, China. <i>Science of the Total Environment</i> , 2020, 727, 138458.	3.9	8
43	Degradation potential and diversity of oil-degrading bacteria isolated from the sediments of the Jiaozhou Bay, China. <i>Acta Oceanologica Sinica</i> , 2019, 38, 54-64.	0.4	8
44	Intrinsic peroxidase-like activity of Cu <sub>2</sub> ZnSn(S <sub>x</sub> Se <sub>1-x</sub> ) <sub>4</sub> nanocrystals, and their application to the colorimetric detection of H <sub>2</sub> O <sub>2</sub> . <i>Mikrochimica Acta</i> , 2019, 186, 118.	2.5	4
45	Detection of microplastics in local marine organisms using a multi-technology system. <i>Analytical Methods</i> , 2019, 11, 78-87.	1.3	128
46	Microplastics in the Coral Reef Systems from Xisha Islands of South China Sea. <i>Environmental Science &amp; Technology</i> , 2019, 53, 8036-8046.	4.6	170
47	Marine microplastic-associated bacterial community succession in response to geography, exposure time, and plastic type in China's coastal seawaters. <i>Marine Pollution Bulletin</i> , 2019, 145, 278-286.	2.3	100
48	Fusion of microplastics into the mussel byssus. <i>Environmental Pollution</i> , 2019, 252, 420-426.	3.7	65
49	Study on the capability and characteristics of heavy metals enriched on microplastics in marine environment. <i>Marine Pollution Bulletin</i> , 2019, 144, 61-67.	2.3	232
50	Distribution characteristics of microplastics in the seawater and sediment: A case study in Jiaozhou Bay, China. <i>Science of the Total Environment</i> , 2019, 674, 27-35.	3.9	190
51	A new software of calculating the pH values of coastal seawater: Considering the effects of low molecular weight organic acids. <i>Marine Chemistry</i> , 2019, 211, 108-116.	0.9	7
52	Occurrence, toxicity, and speciation analysis of arsenic in edible mushrooms. <i>Food Chemistry</i> , 2019, 281, 269-284.	4.2	21
53	Using mussel as a global bioindicator of coastal microplastic pollution. <i>Environmental Pollution</i> , 2019, 244, 522-533.	3.7	350
54	Complete Genome Sequence of a Quorum-Sensing Bacterium, <i>Oceanicola</i> sp. Strain D3, Isolated from a Microplastic Surface in Coastal Water of Qingdao, China. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	3

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55	Enhanced Peroxidase-Like Activity of MoS <sub>2</sub> Quantum Dots Functionalized g-C <sub>3</sub> N <sub>4</sub> Nanosheets towards Colorimetric Detection of H <sub>2</sub> O <sub>2</sub> . <i>Nanomaterials</i> , 2018, 8, 976.	1.9	26
56	Lipids as integral components in mussel adhesion. <i>Soft Matter</i> , 2018, 14, 7145-7154.	1.2	15
57	Optofluidic differential colorimetry for rapid nitrite determination. <i>Lab on A Chip</i> , 2018, 18, 2994-3002.	3.1	27
58	Separation and purification of two minor typical diarrhetic shellfish poisoning toxins from harmful marine microalgae via combined liquid chromatography with mass spectrometric detection. <i>Journal of Separation Science</i> , 2017, 40, 2906-2913.	1.3	10
59	Annual variation of low-molecular-weight organic acids in the surface seawater of the Jiaozhou Bay. <i>Marine Chemistry</i> , 2017, 194, 43-54.	0.9	7
60	Optofluidic marine phosphate detection with enhanced absorption using a Fabry-Pérot resonator. <i>Lab on A Chip</i> , 2017, 17, 4025-4030.	3.1	69
61	Determination of trace metals and analysis of arsenic species in tropical marine fishes from Spratly islands. <i>Marine Pollution Bulletin</i> , 2017, 122, 464-469.	2.3	16
62	Natural and bio-inspired underwater adhesives: Current progress and new perspectives. <i>APL Materials</i> , 2017, 5, .	2.2	45
63	Geochemical characteristics of rare earth elements in the surface sediments from the Spratly Islands of China. <i>Marine Pollution Bulletin</i> , 2017, 114, 1103-1109.	2.3	5
64	Screening of lipophilic marine toxins in marine aquaculture environment using liquid chromatography-mass spectrometry. <i>Chemosphere</i> , 2017, 168, 32-40.	4.2	46
65	Profiling of Extracellular Toxins Associated with Diarrhetic Shellfish Poison in <i>Prorocentrum lima</i> Culture Medium by High-Performance Liquid Chromatography Coupled with Mass Spectrometry. <i>Toxins</i> , 2017, 9, 308.	1.5	24
66	Peroxidase-like activity of FeVO <sub>4</sub> nanobelts and its analytical application for optical detection of hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 162-172.	4.0	59
67	Synthesis of EDTA-assisted CeVO <sub>4</sub> nanorods as robust peroxidase mimics towards colorimetric detection of H <sub>2</sub> O <sub>2</sub> . <i>Journal of Materials Chemistry B</i> , 2016, 4, 6316-6325.	2.9	42
68	Colorimetric detection of H <sub>2</sub> O <sub>2</sub> using flower-like Fe <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> microparticles as a peroxidase mimic. <i>Mikrochimica Acta</i> , 2016, 183, 3025-3033.	2.5	47
69	The study of the adductor muscle-shell interface structure in three Mollusc species. <i>Acta Oceanologica Sinica</i> , 2016, 35, 57-64.	0.4	2
70	Preparation and antibacterial performance testing of Ag nanoparticles embedded biological materials. <i>Applied Surface Science</i> , 2015, 330, 237-244.	3.1	21
71	Determination of typical lipophilic marine toxins in marine sediments from three coastal bays of China using liquid chromatography-tandem mass spectrometry after accelerated solvent extraction. <i>Marine Pollution Bulletin</i> , 2015, 101, 954-960.	2.3	35
72	Structural Characteristics at the Adductor Muscle and Shell Interface in Mussel. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 1203-1211.	1.4	15

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73	Mussel Adhesion: Finding the Tricks Worth Mimicking. <i>Journal of Adhesion</i> , 2005, 81, 297-317.	1.8	353
74	Elastomeric gradients: a hedge against stress concentration in marine holdfasts?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002, 357, 143-153.	1.8	111
75	Collagen-Binding Matrix Proteins from Elastomeric Extraorganismic Byssal Fibers. <i>Biomacromolecules</i> , 2002, 3, 1240-1248.	2.6	51
76	The study of fatty acid mediated Mefp-1 adsorption by Quartz Crystal Microbalance with Dissipation. <i>Journal of Adhesion</i> , 0, , 1-19.	1.8	1