Chengjun Sun

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8776439/publications.pdf

Version: 2024-02-01

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	Mussel Adhesion: Finding the Tricks Worth Mimicking. Journal of Adhesion, 2005, 81, 297-317.	1.8	353
2	Using mussel as a global bioindicator of coastal microplastic pollution. Environmental Pollution, 2019, 244, 522-533.	3.7	350
3	Study on the capability and characteristics of heavy metals enriched on microplastics in marine environment. Marine Pollution Bulletin, 2019, 144, 61-67.	2.3	232
4	Distribution characteristics of microplastics in the seawater and sediment: A case study in Jiaozhou Bay, China. Science of the Total Environment, 2019, 674, 27-35.	3.9	190
5	Microplastics in the Coral Reef Systems from Xisha Islands of South China Sea. Environmental Science & Technology, 2019, 53, 8036-8046.	4.6	170
6	Detection of microplastics in local marine organisms using a multi-technology system. Analytical Methods, 2019, 11, 78-87.	1.3	128
7	Microplastics in four bivalve species and basis for using bivalves as bioindicators of microplastic pollution. Science of the Total Environment, 2021, 782, 146830.	3.9	115
8	Elastomeric gradients: a hedge against stress concentration in marine holdfasts?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 143-153.	1.8	111
9	Marine microplastic-associated bacterial community succession in response to geography, exposure time, and plastic type in China's coastal seawaters. Marine Pollution Bulletin, 2019, 145, 278-286.	2.3	100
10	An examination of the occurrence and potential risks of microplastics across various shellfish. Science of the Total Environment, 2020, 739, 139887.	3.9	93
11	Vertical distribution of microplastics in bay sediment reflecting effects of sedimentation dynamics and anthropogenic activities. Marine Pollution Bulletin, 2020, 152, 110885.	2.3	77
12	Optofluidic marine phosphate detection with enhanced absorption using a Fabryâ€“PÃ©rot resonator. Lab on A Chip, 2017, 17, 4025-4030.	3.1	69
13	Novel Z-scheme MoS2/Bi2WO6 heterojunction with highly enhanced photocatalytic activity under visible light irradiation. Journal of Alloys and Compounds, 2021, 854, 157224.	2.8	68
14	Fusion of microplastics into the mussel byssus. Environmental Pollution, 2019, 252, 420-426.	3.7	65
15	Peroxidase-like activity of FeVO4 nanobelts and its analytical application for optical detection of hydrogen peroxide. Sensors and Actuators B: Chemical, 2016, 233, 162-172.	4.0	59
16	The interactions between microplastic polyvinyl chloride and marine diatoms: Physiological, morphological, and growth effects. Ecotoxicology and Environmental Safety, 2020, 203, 111000.	2.9	57
17	Atmospheric microplastics in the Northwestern Pacific Ocean: Distribution, source, and deposition. Science of the Total Environment, 2022, 829, 154337.	3.9	53
18	Probing the toxic interactions between polyvinyl chloride microplastics and Human Serum Albumin by multispectroscopic techniques. Science of the Total Environment, 2020, 734, 139219.	3.9	52

#	Article	IF	Citations
19	Collagen-Binding Matrix Proteins from Elastomeric Extraorganismic Byssal Fibers. Biomacromolecules, 2002, 3, 1240-1248.	2.6	51
20	Distribution Characteristics and Influencing Factors of Microplastics in Urban Tap Water and Water Sources in Qingdao, China. Analytical Letters, 2020, 53, 1312-1327.	1.0	51
21	Comparative study of three sampling methods for microplastics analysis in seawater. Science of the Total Environment, 2021, 765, 144495.	3.9	50
22	Colorimetric detection of H2O2 using flower-like Fe2(MoO4)3 microparticles as a peroxidase mimic. Mikrochimica Acta, 2016, 183, 3025-3033.	2.5	47
23	Screening of lipophilic marine toxins in marine aquaculture environment using liquid chromatographyâ€“mass spectrometry. Chemosphere, 2017, 168, 32-40.	4.2	46
24	Natural and bio-inspired underwater adhesives: Current progress and new perspectives. APL Materials, 2017, 5, .	2.2	45
25	The seasonal distribution characteristics of microplastics on bathing beaches along the coast of Qingdao, China. Science of the Total Environment, 2021, 783, 146969.	3.9	44
26	Synthesis of EDTA-assisted CeVO₄nanorods as robust peroxidase mimics towards colorimetric detection of H₂O₂. Journal of Materials Chemistry B, 2016, 4, 6316-6325.	2.9	42
27	Global transportation of plastics and microplastics: A critical review of pathways and influences. Science of the Total Environment, 2022, 831, 154884.	3.9	41
28	A Portable and Accurate Phosphate Sensor Using a Gradient Fabryâ€“PÃ©rot Array. ACS Sensors, 2020, 5, 1381-1388.	4.0	36
29	Determination of typical lipophilic marine toxins in marine sediments from three coastal bays of China using liquid chromatographyâ€“tandem mass spectrometry after accelerated solvent extraction. Marine Pollution Bulletin, 2015, 101, 954-960.	2.3	35
30	Nearest vent, dearest friend: biodiversity of Tiancheng vent field reveals cross-ridge similarities in the Indian Ocean. Royal Society Open Science, 2020, 7, 200110.	1.1	31
31	Microplastics in global bivalve mollusks: A call for protocol standardization. Journal of Hazardous Materials, 2022, 438, 129490.	6.5	29
32	Optofluidic differential colorimetry for rapid nitrite determination. Lab on A Chip, 2018, 18, 2994-3002.	3.1	27
33	Enhanced Peroxidase-Like Activity of MoS2 Quantum Dots Functionalized g-C3N4 Nanosheets towards Colorimetric Detection of H2O2. Nanomaterials, 2018, 8, 976.	1.9	26
34	Characteristics of the archaeal and bacterial communities in core sediments from Southern Yap Trench via in situ sampling by the manned submersible Jiaolong. Science of the Total Environment, 2020, 703, 134884.	3.9	26
35	Rapid nitrate determination with a portable lab-on-chip device based on double microstructured assisted reactors. Lab on A Chip, 2021, 21, 1109-1117.	3.1	25
36	Profiling of Extracellular Toxins Associated with Diarrhetic Shellfish Poison in Prorocentrum lima Culture Medium by High-Performance Liquid Chromatography Coupled with Mass Spectrometry. Toxins, 2017, 9, 308.	1.5	24

#	Article	IF	Citations
37	Preparation and antibacterial performance testing of Ag nanoparticles embedded biological materials. Applied Surface Science, 2015, 330, 237-244.	3.1	21
38	Occurrence, toxicity, and speciation analysis of arsenic in edible mushrooms. Food Chemistry, 2019, 281, 269-284.	4.2	21
39	CoMoO4 nanobelts as efficient peroxidase mimics for the colorimetric determination of H2O2. Mikrochimica Acta, 2020, 187, 424.	2.5	21
40	Occurrence and Seasonal Variation of Microplastics in the Effluent from Wastewater Treatment Plants in Qingdao, China. Journal of Marine Science and Engineering, 2022, 10, 58.	1.2	21
41	Occurrence of microplastics carried on Ulva prolifera from the Yellow Sea, China. Case Studies in Chemical and Environmental Engineering, 2020, 2, 100054.	2.9	20
42	A Meta-Analysis of the Characterisations of Plastic Ingested by Fish Globally. Toxics, 2022, 10, 186.	1.6	19
43	Novel plate-on-plate hollow structured BiOBr/Bi2MoO6 p-n heterojunctions: In-situ chemical etching preparation and highly improved photocatalytic antibacterial activity. Separation and Purification Technology, 2022, 298, 121666.	3.9	19
44	Determination of trace metals and analysis of arsenic species in tropical marine fishes from Spratly islands. Marine Pollution Bulletin, 2017, 122, 464-469.	2.3	16
45	Enhanced oxidase-like activity of Ag@Ag2WO4 nanorods for colorimetric detection of Hg2+. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125203.	2.3	16
46	Structural Characteristics at the Adductor Muscle and Shell Interface in Mussel. Applied Biochemistry and Biotechnology, 2013, 171, 1203-1211.	1.4	15
47	Lipids as integral components in mussel adhesion. Soft Matter, 2018, 14, 7145-7154.	1.2	15
48	New insights into the toxic interactions of polyvinyl chloride microplastics with bovine serum albumin. Environmental Science and Pollution Research, 2021, 28, 5520-5531.	2.7	14
49	Current distribution characteristics of trace elements in the coral-reef systems of Xisha Islands, China. Marine Pollution Bulletin, 2020, 150, 110737.	2.3	13
50	Colorimetric detection of H2O2 based on the enhanced peroxidase mimetic activity of nanoparticles decorated Ce2(WO4)3 nanosheets. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 239, 118499.	2.0	13
51	Colorimetric determination of Hg2+ based on the mercury-stimulated oxidase mimetic activity of Ag3PO4 microcubes. Mikrochimica Acta, 2020, 187, 422.	2.5	13
52	Facile fabrication of a novel spindlelike MoS2/BiVO4 Z-scheme heterostructure with superior visible-light-driven photocatalytic disinfection performance. Separation and Purification Technology, 2022, 299, 121706.	3.9	13
53	Separation and purification of two minor typical diarrhetic shellfish poisoning toxins from harmful marine microalgae via combined liquid chromatography with mass spectrometric detection. Journal of Separation Science, 2017, 40, 2906-2913.	1.3	10
54	Geochemical characteristics of hadal sediment in the northern Yap Trench. Journal of Oceanology and Limnology, 2020, 38, 650-664.	0.6	10

#	Article	IF	Citations
55	Methods for microplastic sampling and analysis in the seawater and fresh water environment. Methods in Enzymology, 2021, 648, 27-45.	0.4	10
56	Degradation potential and diversity of oil-degrading bacteria isolated from the sediments of the Jiaozhou Bay, China. Acta Oceanologica Sinica, 2019, 38, 54-64.	0.4	8
57	Water characteristics of abyssal and hadal zones in the southern Yap Trench observed with the submersible Jiaolong. Journal of Oceanology and Limnology, 2020, 38, 593-605.	0.6	8
58	Low-molecular-weight organic acids as important factors impacting seawater acidification: A case study in the Jiaozhou Bay, China. Science of the Total Environment, 2020, 727, 138458.	3.9	8
59	Annual variation of low-molecular-weight organic acids in the surface seawater of the Jiaozhou Bay. Marine Chemistry, 2017, 194, 43-54.	0.9	7
60	A new software of calculating the pH values of coastal seawater: Considering the effects of low molecular weight organic acids. Marine Chemistry, 2019, 211, 108-116.	0.9	7
61	Colorimetric determination of hydrogen peroxide based on the robust peroxidase-like activities of flower-like YVO4 microstructures. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 618, 126427.	2.3	7
62	Distribution characteristics of lipids in hadal sediment in the Yap Trench. Journal of Oceanology and Limnology, 2020, 38, 634-649.	0.6	6
63	Geochemical characteristics of rare earth elements in the surface sediments from the Spratly Islands of China. Marine Pollution Bulletin, 2017, 114, 1103-1109.	2.3	5
64	Photoaging Characteristics of Disposable Masks under UV Irradiation. Journal of Marine Science and Engineering, 2022, 10, 170.	1.2	5
65	Intrinsic peroxidase-like activity of Cu2ZnSn(SxSe1-x)4 nanocrystals, and their application to the colorimetric detection of H2O2. Mikrochimica Acta, 2019, 186, 118.	2.5	4
66	Comparison of sedimentary organic carbon loading in the Yap Trench and other marine environments. Journal of Oceanology and Limnology, 2020, 38, 619-633.	0.6	3
67	Complete Genome Sequence of a Quorum-Sensing Bacterium, Oceanicola sp. Strain D3, Isolated from a Microplastic Surface in Coastal Water of Qingdao, China. Microbiology Resource Announcements, 2019, 8, .	0.3	3
68	The characteristic change of plastic film from common used packing bags under UV photodegradation. Chinese Science Bulletin, 2021, 66, 1571-1579.	0.4	3
69	The study of the adductor muscle-shell interface structure in three Mollusc species. Acta Oceanologica Sinica, 2016, 35, 57-64.	0.4	2
70	Vertical variations of dissolved carbohydrates in the North Yap Trench. Journal of Oceanology and Limnology, 2020, 38, 606-618.	0.6	2
71	Linking the physical and chemical characteristics of single small microplastics or nanoplastics via photolithographic silicon substrates. Analytical Methods, 2022, 14, 1547-1552.	1.3	2
72	Study on the Bacterial Communities of the Biofilms on Titanium, Aluminum, and Copper Alloys at 5,772 m Undersea in Yap Trench. Frontiers in Microbiology, 2022, 13, 831984.	1.5	2

#	Article	IF	Citations
73	Towards the understanding from sea surface to hadal zoneâ€"A multidisciplinary study of the Yap Trench. Journal of Oceanology and Limnology, 2020, 38, 591-592.	0.6	1
74	Occurrence and spatial distribution of trace metals in seawaters of the Drake Passage and Antarctic Peninsula. Marine Pollution Bulletin, 2022, 176, 113387.	2.3	1
75	The study of fatty acid mediated Mefp-1 adsorption by Quartz Crystal Microbalance with Dissipation. Journal of Adhesion, 0, , 1-19.	1.8	1
76	Distribution pattern and geochemical analysis of rare earth elements in deep-ocean sediments. Journal of Oceanology and Limnology, 2021, 39, 79-88.	0.6	0