

# Hao Cheng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9267919/publications.pdf>

Version: 2024-02-01

54  
papers

1,063  
citations

516710

16  
h-index

477307

29  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1063  
citing authors

#	ARTICLE	IF	CITATIONS
1	Does radial oxygen loss and iron plaque formation on roots alter Cd and Pb uptake and distribution in rice plant tissues?. <i>Plant and Soil</i> , 2014, 375, 137-148.	3.7	131
2	Metal (Pb, Zn and Cu) uptake and tolerance by mangroves in relation to root anatomy and lignification/suberization. <i>Tree Physiology</i> , 2014, 34, 646-656.	3.1	73
3	Bacterial Communities in the Rhizospheres of Three Mangrove Tree Species from Beilun Estuary, China. <i>PLoS ONE</i> , 2016, 11, e0164082.	2.5	51
4	Ecophysiological differences between three mangrove seedlings ( <i>Kandelia obovata</i> , <i>Aegiceras</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	2.4	48
5	Interactions among Fe <sup>2+</sup> , S <sup>2-</sup> , and Zn <sup>2+</sup> tolerance, root anatomy, and radial oxygen loss in mangrove plants. <i>Journal of Experimental Botany</i> , 2012, 63, 2619-2630.	4.8	47
6	Seasonal and spatial variations of water quality and trophic status in Daya Bay, South China Sea. <i>Marine Pollution Bulletin</i> , 2016, 112, 341-348.	5.0	46
7	Effects of pyrene on antioxidant systems and lipid peroxidation level in mangrove plants, <i>Bruguiera gymnorrhiza</i> . <i>Ecotoxicology</i> , 2012, 21, 1625-1632.	2.4	42
8	Influence of N deficiency and salinity on metal (Pb, Zn and Cu) accumulation and tolerance by <i>Rhizophora stylosa</i> in relation to root anatomy and permeability. <i>Environmental Pollution</i> , 2012, 164, 110-117.	7.5	39
9	Effects of copper on growth, radial oxygen loss and root permeability of seedlings of the mangroves <i>Bruguiera gymnorrhiza</i> and <i>Rhizophora stylosa</i> . <i>Plant and Soil</i> , 2012, 359, 255-266.	3.7	34
10	Distribution and sources of the polycyclic aromatic hydrocarbons in the sediments of the Pearl River estuary, China. <i>Ecotoxicology</i> , 2015, 24, 1643-1649.	2.4	34
11	Differences in root aeration, iron plaque formation and waterlogging tolerance in six mangroves along a continues tidal gradient. <i>Ecotoxicology</i> , 2015, 24, 1659-1667.	2.4	33
12	Characterization and expression analysis of three CBF/DREB1 transcriptional factor genes from mangrove <i>Avicennia marina</i> . <i>Aquatic Toxicology</i> , 2013, 140-141, 68-76.	4.0	32
13	Dual-functional carbon-doped polysilicon films for passivating contact solar cells: regulating physical contacts while promoting photoelectrical properties. <i>Energy and Environmental Science</i> , 2021, 14, 6406-6418.	30.8	31
14	Salt tolerance and exclusion in the mangrove plant <i>Avicennia marina</i> in relation to root apoplastic barriers. <i>Ecotoxicology</i> , 2020, 29, 676-683.	2.4	21
15	Identification of cold tolerance genes from leaves of mangrove plant <i>Kandelia obovata</i> by suppression subtractive hybridization. <i>Ecotoxicology</i> , 2015, 24, 1686-1696.	2.4	20
16	Ecotoxicity of two organophosphate pesticides chlorpyrifos and dichlorvos on non-targeting cyanobacteria <i>Microcystis wesenbergii</i> . <i>Ecotoxicology</i> , 2015, 24, 1498-1507.	2.4	20
17	Investigation of Spatial and Temporal Trends in Water Quality in Daya Bay, South China Sea. <i>International Journal of Environmental Research and Public Health</i> , 2011, 8, 2352-2365.	2.6	16
18	Effects of Salt on Root Aeration, Nitrification, and Nitrogen Uptake in Mangroves. <i>Forests</i> , 2019, 10, 1131.	2.1	16

#	ARTICLE	IF	CITATIONS
19	Regulating the Nb <sub>2</sub> C nanosheets with different degrees of oxidation in water lubricated sliding toward an excellent tribological performance. <i>Friction</i> , 2022, 10, 398-410.	6.4	16
20	Spatial and vertical distribution of bacterial community in the northern South China Sea. <i>Ecotoxicology</i> , 2015, 24, 1478-1485.	2.4	15
21	Radial oxygen loss is correlated with nitrogen nutrition in mangroves. <i>Tree Physiology</i> , 2020, 40, 1548-1560.	3.1	15
22	Physiological and biochemical response to drought stress in the leaves of <i>Aegiceras corniculatum</i> and <i>Kandelia obovata</i> . <i>Ecotoxicology</i> , 2015, 24, 1668-1676.	2.4	14
23	Effect of mangrove restoration on sediment properties and bacterial community. <i>Ecotoxicology</i> , 2021, 30, 1672-1679.	2.4	14
24	The alteration of gut microbiome community play an important role in mercury biotransformation in largemouth bass. <i>Environmental Research</i> , 2022, 204, 112026.	7.5	14
25	Pb uptake and tolerance in the two selected mangroves with different root lignification and suberization. <i>Ecotoxicology</i> , 2015, 24, 1650-1658.	2.4	13
26	Passivating Contact with Phosphorus-doped Polycrystalline Silicon Nitride with an Excellent Implied Open-Circuit Voltage of 745 mV and Its Application in 23.88% Efficiency TOPCon Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2100644.	5.8	13
27	Characteristics of Microbial Community and Function With the Succession of Mangroves. <i>Frontiers in Microbiology</i> , 2021, 12, 764974.	3.5	13
28	Spatial variation of phytoplankton community structure in Daya Bay, China. <i>Ecotoxicology</i> , 2015, 24, 1450-1458.	2.4	12
29	Cloning and characterization of KoOsmotin from mangrove plant <i>Kandelia obovata</i> under cold stress. <i>BMC Plant Biology</i> , 2021, 21, 10.	3.6	12
30	Mangrove restoration promotes the anti-scourability of the sediments by modifying inherent microbial community and extracellular polymeric substance. <i>Science of the Total Environment</i> , 2022, 811, 152369.	8.0	12
31	Protected areas have remarkable spillover effects on forest conservation on the Qinghai-Tibet Plateau. <i>Diversity and Distributions</i> , 2022, 28, 2944-2955.	4.1	12
32	Variation of phytoplankton community structure from the Pearl River estuary to South China Sea. <i>Ecotoxicology</i> , 2015, 24, 1442-1449.	2.4	11
33	Abundance and Characteristics of Microplastics in Seawater and Corals From Reef Region of Sanya Bay, China. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	11
34	Monsoon-driven Dynamics of water quality by multivariate statistical methods in Daya Bay, South China Sea. <i>Oceanological and Hydrobiological Studies</i> , 2012, 41, 66-76.	0.7	10
35	Cloning of the <i>Aegiceras corniculatum</i> class I chitinase gene (AcCHI I) and the response of AcCHI I mRNA expression to cadmium stress. <i>Ecotoxicology</i> , 2015, 24, 1705-1713.	2.4	10
36	Role of extracellular polymeric substances in metal sequestration during mangrove restoration. <i>Chemosphere</i> , 2022, 306, 135550.	8.2	10

#	ARTICLE	IF	CITATIONS
37	Genetic Diversity of Bacterial Communities and Gene Transfer Agents in Northern South China Sea. PLoS ONE, 2014, 9, e111892.	2.5	9
38	Comparative physiological and proteomic analyses of mangrove plant <i>Kandelia obovata</i> under cold stress. Ecotoxicology, 2021, 30, 1826-1840.	2.4	9
39	Characterization and expression analysis of a gene encoding CBF/DREB1 transcription factor from mangrove <i>Aegiceras corniculatum</i> . Ecotoxicology, 2015, 24, 1733-1743.	2.4	8
40	Nitrogen dynamics in the mangrove sediments affected by crabs in the intertidal regions. Ecotoxicology, 2020, 29, 669-675.	2.4	8
41	Dynamics of radial oxygen loss in mangroves subjected to waterlogging. Ecotoxicology, 2020, 29, 684-690.	2.4	8
42	Phytoplankton community, structure and succession delineated by partial least square regression in Daya Bay, South China Sea. Ecotoxicology, 2020, 29, 751-761.	2.4	8
43	A Meta-Analysis on Degraded Alpine Grassland Mediated by Climate Factors: Enlightenment for Ecological Restoration. Frontiers in Plant Science, 2021, 12, 821954.	3.6	8
44	Distribution patterns and source identification for heavy metals in Mirs Bay of Hong Kong in China. Ecotoxicology, 2020, 29, 762-770.	2.4	7
45	Feedback and Trigger of Household Decision-Making to Ecological Protection Policies in Sanjiangyuan National Park. Frontiers in Plant Science, 2021, 12, 827618.	3.6	6
46	Anticyclonic Eddy Driving Significant Changes in Prokaryotic and Eukaryotic Communities in the South China Sea. Frontiers in Marine Science, 2022, 9, .	2.5	6
47	Distribution and risk of mercury in the sediments of mangroves along South China Coast. Ecotoxicology, 2020, 29, 641-649.	2.4	5
48	Bacterial community variations in the South China Sea driven by different chemical conditions. Ecotoxicology, 2021, 30, 1808-1815.	2.4	5
49	Mixture of Pb, Zn and Cu on root permeability and radial oxygen loss in the mangrove <i>Bruguiera gymnorhiza</i> . Ecotoxicology, 2020, 29, 691-697.	2.4	4
50	Isolation and expression analysis of a CBF transcriptional factor gene from the mangrove <i>Bruguiera gymnorhiza</i> . Ecotoxicology, 2020, 29, 726-735.	2.4	4
51	Land-use changes conservation network of an endangered primate ( <i>Rhinopithecus bieti</i> ) in the past 30 years in China. Diversity and Distributions, 2022, 28, 2898-2911.	4.1	3
52	An efficient protein extraction method applied to mangrove plant <i>Kandelia obovata</i> leaves for proteomic analysis. Plant Methods, 2021, 17, 100.	4.3	2
53	Molecular cloning and expression of AmCDPK from mangrove <i>Avicennia marina</i> under elevated temperature. Ecotoxicology, 2020, 29, 707-717.	2.4	1
54	Distribution of Coomassie Blue Stainable Particles in the Pearl River Estuary, China, Insight Into the Nitrogen Cycling in Estuarine System. Frontiers in Marine Science, 2022, 8, .	2.5	1