

Guo-Ping Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

571
citations

759233

12
h-index

713466

21
g-index

56
all docs

56
docs citations

56
times ranked

642
citing authors

#	ARTICLE	IF	CITATIONS
1	The Selective Cause of an Ancient Adaptation. <i>Science</i> , 2005, 307, 1279-1282.	12.6	129
2	Successful ecosystem-based management of Antarctic krill should address uncertainties in krill recruitment, behaviour and ecological adaptation. <i>Communications Earth & Environment</i> , 2020, 1, .	6.8	64
3	Novel Type II and Monomeric NAD ⁺ Specific Isocitrate Dehydrogenases: Phylogenetic Affinity, Enzymatic Characterization and Evolutionary Implication. <i>Scientific Reports</i> , 2015, 5, 9150.	3.3	27
4	Characterization of a novel highly thermostable esterase from the Gram ⁺ positive soil bacterium <i>Streptomyces lividans</i> TK64. <i>Biotechnology and Applied Biochemistry</i> , 2016, 63, 334-343.	3.1	20
5	Superhero Rictor promotes cellular differentiation of mouse embryonic stem cells. <i>Cell Death and Differentiation</i> , 2019, 26, 958-968.	11.2	19
6	Characterization of a novel hyper-thermostable and chlorpyrifos-hydrolyzing carboxylesterase EstC: A representative of the new esterase family XIX. <i>Pesticide Biochemistry and Physiology</i> , 2020, 170, 104704.	3.6	18
7	Habitat suitability of Pacific saury (<i>Cololabis saira</i>) based on a yield-density model and weighted analysis. <i>Fisheries Research</i> , 2020, 221, 105408.	1.7	17
8	Comparative effects of some extraction solvents on the antimicrobial activity of <i>Eucalyptus camaldulensis</i> leaf, bud, capsule and seed crude extracts. <i>Natural Product Research</i> , 2019, 33, 2560-2565.	1.8	15
9	Reproductive biology of Bigeye Tuna, <i>Thunnus obesus</i> , (Scombridae) in the eastern and central tropical Pacific Ocean. <i>Environmental Biology of Fishes</i> , 2010, 88, 253-260.	1.0	14
10	A unique homodimeric NAD ⁺ -linked isocitrate dehydrogenase from the smallest autotrophic eukaryote <i>Ostreococcus tauri</i> . <i>FASEB Journal</i> , 2015, 29, 2462-2472.	0.5	14
11	Phenolic compounds and antioxidants from <i>Eucalyptus camaldulensis</i> as affected by some extraction conditions, a preparative optimization for GC-MS analysis. <i>Preparative Biochemistry and Biotechnology</i> , 2019, 49, 464-476.	1.9	14
12	Wild-type IDH1 affects cell migration by modulating the PI3K/AKT/mTOR pathway in primary glioblastoma cells. <i>Molecular Medicine Reports</i> , 2020, 22, 1949-1957.	2.4	13
13	Otolith nucleus chemistry distinguishes <i>Electrona antarctica</i> in the westward-flowing Antarctic Slope Current and eastward-flowing Antarctic Circumpolar Current off East Antarctica. <i>Marine Environmental Research</i> , 2018, 142, 7-20.	2.5	12
14	Ontogenetic and temporal diet variation in adult Antarctic krill <i>Euphausia superba</i> at South Georgia during austral winter revealed by stable isotope analysis. <i>Fisheries Research</i> , 2019, 215, 1-8.	1.7	11
15	Physiologic roles of soluble pyridine nucleotide transhydrogenase in <i>Escherichia coli</i> as determined by homologous recombination. <i>Annals of Microbiology</i> , 2008, 58, 275-280.	2.6	10
16	Growth and mortality of bigeye tuna <i>Thunnus obesus</i> (Scombridae) in the eastern and central tropical Pacific Ocean. <i>Environmental Biology of Fishes</i> , 2009, 85, 127-137.	1.0	10
17	Two isocitrate dehydrogenases from a plant pathogen <i>Xanthomonas campestris</i> pv. <i>campestris</i> 8004. Bioinformatic analysis, enzymatic characterization, and implication in virulence. <i>Journal of Basic Microbiology</i> , 2016, 56, 975-985.	3.3	10
18	miR-322/-503 rescues myoblast defects in myotonic dystrophy type 1 cell model by targeting CUG repeats. <i>Cell Death and Disease</i> , 2020, 11, 891.	6.3	10

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19	Bioaccumulation of organochlorine pesticides in Antarctic krill (<i>Euphausia superba</i>): Profile, influencing factors, and mechanisms. <i>Journal of Hazardous Materials</i> , 2022, 426, 128115.	12.4	10
20	Acetone-water mixture is a competent solvent to extract phenolics and antioxidants from four organs of <i>Eucalyptus camaldulensis</i> . <i>Biyokimya Dergisi</i> , 2019, 44, 231-239.	0.5	9
21	The Prognostic Value of PERK in Cancer and Its Relationship With Immune Cell Infiltration. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 648752.	3.5	9
22	The soluble transhydrogenase UdhA affecting the glutamate-dependent acid resistance system of <i>Escherichia coli</i> under acetate stress. <i>Biology Open</i> , 2018, 7, .	1.2	8
23	Identification of a Novel Class of Photolyases as Possible Ancestors of Their Family. <i>Molecular Biology and Evolution</i> , 2021, 38, 4505-4519.	8.9	8
24	Antarctic krill (<i>Euphausia superba</i>) as a bioindicator of trace elements reflects regional heterogeneity in marine environments in the northern Antarctic Peninsula, Antarctic. <i>Ecological Indicators</i> , 2022, 136, 108596.	6.3	8
25	Crystal Structure of the Isocitrate Dehydrogenase 2 from <i>Acinetobacter baumannii</i> (AbIDH2) Reveals a Novel Dimeric Structure with Two Monomeric-IDH-Like Subunits. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1131.	4.1	6
26	Distribution of larval and juvenile pelagic squids in the Kerguelen Axis region: Oceanographic influence on size structure and evidence of spawning locations. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 174, 104615.	1.4	6
27	Comparison Among Five <i>Eucalyptus</i> Species Based on Their Leaf Contents of Some Primary and Secondary Metabolites. <i>Current Pharmaceutical Biotechnology</i> , 2019, 20, 573-587.	1.6	6
28	Length-weight relationships of five fish species associated with krill fishery in the Atlantic sector of the Southern Ocean. <i>Journal of Applied Ichthyology</i> , 2017, 33, 1303-1305.	0.7	5
29	Inferring trophic variation for Antarctic krill (<i>Euphausia superba</i>) in the Antarctic Peninsula from the austral fall to early winter using stable isotope analysis. <i>Acta Oceanologica Sinica</i> , 2018, 37, 90-95.	1.0	5
30	Enzymatic identification and functional sites study of a novel cold-active cellulase (MkCel5) from <i>Microbacterium kitamiense</i> . <i>Biotechnology and Biotechnological Equipment</i> , 2019, 33, 739-747.	1.3	5
31	Biochemical Characterization and Crystal Structure of a Novel NAD ⁺ -Dependent Isocitrate Dehydrogenase from <i>Phaeodactylum tricornutum</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 5915.	4.1	5
32	Determination and precision of otolith growth zone estimates of <i>Electrona antarctica</i> in the Southern Kerguelen Plateau region in the Indian sector of the Southern Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 174, 104778.	1.4	5
33	Trophic linkage between mackerel icefish (<i>Champsocephalus gunnari</i>) and Antarctic krill (<i>Euphausia</i>) Tj ETQq1 1 0.784314 rgBT /Overbo	1.7	5
34	Shape and ontogenetic changes in otolith of the ocellated icefish (<i>Chionodraco rastrospinosus</i>) from the Bransfield Strait, Antarctic. <i>Zoology</i> , 2022, 153, 126025.	1.2	5
35	Characterization of the nicotinamide adenine dinucleotides (NAD ⁺ and NADP ⁺) binding sites of the monomeric isocitrate dehydrogenases from <i>Campylobacter</i> species. <i>Biochimie</i> , 2019, 160, 148-155.	2.6	4
36	Upper trophic structure in the Atlantic Patagonian shelf break as inferred from stable isotope analysis. <i>Journal of Oceanology and Limnology</i> , 2018, 36, 717-725.	1.3	3

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37	Evaluation of the Potential Phosphorylation Effect on Isocitrate Dehydrogenases from <i>Saccharomyces cerevisiae</i> and <i>Yarrowia lipolytica</i> . <i>Applied Biochemistry and Biotechnology</i> , 2019, 187, 1131-1142.	2.9	3
38	Thermal and saline tolerance of Antarctic krill <i>Euphausia superba</i> under controlled in-situ aquarium conditions. <i>Journal of Oceanology and Limnology</i> , 2019, 37, 1080-1089.	1.3	3
39	Otolith chemistry of <i>Electrona antarctica</i> suggests a potential population marker distinguishing the southern Kerguelen Plateau from the eastward-flowing Antarctic Circumpolar Current. <i>Limnology and Oceanography</i> , 2021, 66, 405-421.	3.1	3
40	Biochemical and Phylogenetic Characterization of a Novel NADP ⁺ -Specific Isocitrate Dehydrogenase From the Marine Microalga <i>Phaeodactylum tricorutum</i> . <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 702083.	3.5	3
41	Isocitrate dehydrogenase 1 from <i>Acinetobacter baumannii</i> (AbIDH1) enzymatic characterization and its regulation by phosphorylation. <i>Biochimie</i> , 2021, 181, 77-85.	2.6	2
42	Variation in fatty acids of Antarctic krill (<i>Euphausia superba</i>) preserved under constant dry conditions: Does storage time and ontogeny matter?. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15357.	2.0	2
43	Inhibition of Postn Rescues Myogenesis Defects in Myotonic Dystrophy Type 1 Myoblast Model. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 710112.	3.7	2
44	Crystal structures of NAD ⁺ -linked isocitrate dehydrogenase from the green alga <i>Ostreococcus tauri</i> and its evolutionary relationship with eukaryotic NADP ⁺ -linked homologs. <i>Archives of Biochemistry and Biophysics</i> , 2021, 708, 108898.	3.0	2
45	From a dimer to a monomer: Construction of a chimeric monomeric isocitrate dehydrogenase. <i>Protein Science</i> , 2021, 30, 2396-2407.	7.6	2
46	Concentration and Distribution of Cu, Zn, Pb, and Cd in Mackerel Icefish (<i>Champsocephalus gunnari</i>) in South Georgia, Antarctic, During Winter. <i>Biological Trace Element Research</i> , 2022, 200, 3819-3828.	3.5	2
47	Biological physical processes regulate autumn prey availability of spiny icefish <i>Chaenodraco wilsoni</i> in the Bransfield Strait, Antarctic. <i>Journal of Fish Biology</i> , 2022, 101, 289-301.	1.6	2
48	Inferring Behavior of Chinese Krill Fishing Vessel Using a Simple Walk Model. <i>Journal of Ocean University of China</i> , 2019, 18, 939-946.	1.2	1
49	Mapping leprosy-associated coding variants of interleukin genes by targeted sequencing. <i>Clinical Genetics</i> , 2021, 99, 802-811.	2.0	1
50	Growth and mortality rates of bigeye tuna <i>Thunnus obesus</i> ; (Perciformes: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 To	0.4	1
51	An integrated analysis of single-cell and bulk transcriptomics reveals EFNA1 as a novel prognostic biomarker for cervical cancer. <i>Human Cell</i> , 2022, 35, 705-720.	2.7	1
52	TNF Signaling Acts Downstream of MiR-322/503 in Regulating DM1 Myogenesis. <i>Frontiers in Endocrinology</i> , 2022, 13, 843202.	3.5	1
53	Identification and Characterization of a Novel Soluble Pyridine Nucleotide Transhydrogenase from <i>Streptomyces avermitilis</i> . <i>Current Microbiology</i> , 2022, 79, 32.	2.2	1
54	Heterologous expression and enzymatic identification of two novel soluble pyridine nucleotide transhydrogenases from Acidobacteria bacterium KBS 146 and <i>Nocardia jiangxiensis</i> . <i>Biotechnology and Biotechnological Equipment</i> , 2021, 35, 1452-1460.	1.3	0