

Gaohong Wang

List of Publications by Year in descending order

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38
papers

1,131
citations

394421

19
h-index

395702

33
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38
all docs

38
docs citations

38
times ranked

1418
citing authors

#	ARTICLE	IF	CITATIONS
1	Survival of desert algae <i>Chlorella</i> exposed to Mars-like near space environment. <i>Life Sciences in Space Research</i> , 2021, 29, 22-29.	2.3	10
2	Exposure of cyanobacterium <i>Nostoc</i> sp. to the Mars-like stratosphere environment. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 224, 112307.	3.8	13
3	A genomics approach reveals the global genetic polymorphism, structure, and functional diversity of ten accessions of the marine model diatom <i>Phaeodactylum tricornutum</i> . <i>ISME Journal</i> , 2020, 14, 347-363.	9.8	50
4	Biological soil crust succession in deserts through a 59-year-long case study in China: How induced biological soil crust strategy accelerates desertification reversal from decades to years. <i>Soil Biology and Biochemistry</i> , 2020, 141, 107665.	8.8	34
5	Enhancement of DNA damage repair potential in germ cells of <i>Caenorhabditis elegans</i> by a volatile signal from their irradiated partners. <i>DNA Repair</i> , 2020, 86, 102755.	2.8	4
6	Overview and perspectives of Astrobiology. <i>Chinese Science Bulletin</i> , 2020, 65, 380-391.	0.7	5
7	The inhibition effect of recycled <i>Scenedesmus acuminatus</i> culture media: Influence of growth phase, inhibitor identification and removal. <i>Algal Research</i> , 2019, 42, 101612.	4.6	30
8	Identification of auto-inhibitors in the reused culture media of the Chlorophyta <i>Scenedesmus acuminatus</i> . <i>Algal Research</i> , 2019, 44, 101665.	4.6	22
9	Cre-miR914-regulated RPL18 is involved with UV-B adaptation in <i>Chlamydomonas reinhardtii</i> . <i>Journal of Plant Physiology</i> , 2019, 232, 151-159.	3.5	6
10	Negative Modulation of Bystander DNA Repair Potential by X-Ray Targeted Tissue Volume in <i>Arabidopsis thaliana</i> . <i>Radiation Research</i> , 2019, 191, 556.	1.5	4
11	Operation of an enclosed aquatic ecosystem in the Shenzhou-8 mission. <i>Acta Astronautica</i> , 2017, 134, 17-22.	3.2	8
12	Cell damage caused by ultraviolet B radiation in the desert cyanobacterium <i>Phormidium tenue</i> and its recovery process. <i>Ecotoxicology and Environmental Safety</i> , 2017, 144, 315-320.	6.0	18
13	Effects of Simulated Microgravity on Otolith Growth of Larval Zebrafish using a Rotating-Wall Vessel: Appropriate Rotation Speed and Fish Developmental Stage. <i>Microgravity Science and Technology</i> , 2017, 29, 1-8.	1.4	13
14	MicroRNAs modulate adaption to multiple abiotic stresses in <i>Chlamydomonas reinhardtii</i> . <i>Scientific Reports</i> , 2016, 6, 38228.	3.3	23
15	Response of photosynthetic systems to salinity stress in the desert cyanobacterium <i>Scytonema javanicum</i> . <i>Advances in Space Research</i> , 2014, 53, 30-36.	2.6	17
16	Spatial heterogeneity of cyanobacteria-inoculated sand dunes significantly influences artificial biological soil crusts in the Hopq Desert (China). <i>Environmental Earth Sciences</i> , 2014, 71, 245-253.	2.7	40
17	Rapid construction and screening of artificial microRNA systems in <i>Chlamydomonas reinhardtii</i> . <i>Plant Journal</i> , 2014, 79, 1052-1064.	5.7	38
18	Macromolecular and chemical features of the excreted extracellular polysaccharides in induced biological soil crusts of different ages. <i>Soil Biology and Biochemistry</i> , 2014, 78, 1-9.	8.8	89

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19	Zebrafish neurotoxicity from aphanizomenon cyanobacterial paralytic shellfish poisons (PSPs) from <i>Aphanizomenon flos-aquae</i> . Environmental Toxicology, 2013, 28, 239-254.	4.0	24
20	Reproductive and Locomotory Capacities of <i>Caenorhabditis elegans</i> Were Not Affected by Simulated Variable Gravities and Spaceflight During the Shenzhou-8 Mission. Astrobiology, 2013, 13, 617-625.	3.0	21
21	Toxicological effects of nanometer titanium dioxide (nano-TiO ₂) on <i>Chlamydomonas reinhardtii</i> . Ecotoxicology and Environmental Safety, 2012, 84, 155-162.	6.0	145
22	The combined effects of UV-B radiation and herbicides on photosynthesis, antioxidant enzymes and DNA damage in two bloom-forming cyanobacteria. Ecotoxicology and Environmental Safety, 2012, 80, 224-230.	6.0	34
23	The response of carbohydrate metabolism to the fluctuation of relative humidity (RH) in the desert soil cyanobacterium <i>Phormidium tenue</i> . European Journal of Soil Biology, 2012, 48, 11-16.	3.2	19
24	Damage to DNA caused by UV-B radiation in the desert cyanobacterium <i>Scytonema javanicum</i> and the effects of exogenous chemicals on the process. Chemosphere, 2012, 88, 413-417.	8.2	38
25	Involvement of nitric oxide in the mechanism of biochemical alterations induced by simulated microgravity in <i>Microcystis aeruginosa</i> . Advances in Space Research, 2012, 49, 850-858.	2.6	6
26	Possible nutrient limiting factor in long term operation of closed aquatic ecosystem. Advances in Space Research, 2012, 49, 841-849.	2.6	7
27	<i>Nostoc sphaeroides</i> 1/4 tzing, an excellent candidate producer for CELSS. Advances in Space Research, 2011, 48, 1565-1571.	2.6	14
28	Effects of Wall Vessel Rotation on the Growth of Larval Zebrafish Inner Ear Otoliths. Microgravity Science and Technology, 2011, 23, 13-18.	1.4	15
29	Raman Spectroscopic Analysis of a Desert Cyanobacterium <i>Nostoc</i> sp. in Response to UVB Radiation. Astrobiology, 2010, 10, 783-788.	3.0	27
30	Effects of UV-B radiation on photosynthesis activity of <i>Wolffia arrhiza</i> as probed by chlorophyll fluorescence transients. Advances in Space Research, 2010, 45, 839-845.	2.6	28
31	Simulated microgravity alters growth and microcystin production in <i>Microcystis aeruginosa</i> (cyanophyta). Toxicon, 2010, 56, 1-7.	1.6	34
32	A simple closed aquatic ecosystem (CAES) for space. Advances in Space Research, 2008, 41, 684-690.	2.6	15
33	The involvement of the antioxidant system in protection of desert cyanobacterium <i>Nostoc</i> sp. against UV-B radiation and the effects of exogenous antioxidants. Ecotoxicology and Environmental Safety, 2008, 69, 150-157.	6.0	59
34	Control of Lunar and Martian Dust—Experimental Insights from Artificial and Natural Cyanobacterial and Algal Crusts in the Desert of Inner Mongolia, China. Astrobiology, 2008, 8, 75-86.	3.0	51
35	The response of antioxidant systems in <i>Nostoc sphaeroides</i> against UV-B radiation and the protective effects of exogenous antioxidants. Advances in Space Research, 2007, 39, 1034-1042.	2.6	35
36	Population growth and physiological characteristics of microalgae in a miniaturized bioreactor during space flight. Acta Astronautica, 2006, 58, 264-269.	3.2	59

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37	Microcystin-RR-induced accumulation of reactive oxygen species and alteration of antioxidant systems in tobacco BY-2 cells. <i>Toxicon</i> , 2005, 46, 507-512.	1.6	72
38	Improving photosynthesis of microalgae by changing the ratio of light-harvesting pigments. <i>Science Bulletin</i> , 2005, 50, 1622.	1.7	4