

Zhibo Zhang

List of Publications by Year in descending order

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43
papers

1,640
citations

430874

18
h-index

302126

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43
all docs

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docs citations

43
times ranked

1934
citing authors

#	ARTICLE	IF	CITATIONS
1	Double-edged effects of the cryogenic technique for virus eradication and preservation in shallot shoot tips. <i>Plant Pathology</i> , 2022, 71, 494-504.	2.4	5
2	Known and Potential Invertebrate Vectors of Raspberry Viruses. <i>Viruses</i> , 2022, 14, 571.	3.3	5
3	First Report of Tomato Brown Rugose Fruit Virus in Tomato in Norway. <i>Plant Disease</i> , 2022, 106, 2004.	1.4	10
4	Assessments of rooting, vegetative growth, bulb production, genetic integrity and biochemical compounds in cryopreserved plants of shallot. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 144, 123-131.	2.3	8
5	Combining thermotherapy with meristem culture for improved eradication of onion yellow dwarf virus and shallot latent virus from infected in vitro-cultured shallot shoots. <i>Annals of Applied Biology</i> , 2021, 178, 442-449.	2.5	7
6	Epigenetic and Genetic Integrity, Metabolic Stability, and Field Performance of Cryopreserved Plants. <i>Plants</i> , 2021, 10, 1889.	3.5	22
7	Droplet-vitrification for shoot tip cryopreservation of shallot (<i>Allium cepa</i> var. <i>aggregatum</i>): effects of PVS3 and PVS2 on shoot regrowth. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 140, 185-195.	2.3	22
8	Using polarimetric observations to detect and quantify the three-dimensional radiative transfer effects in passive satellite cloud property retrievals: Theoretical framework and feasibility study. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 246, 106920.	2.3	1
9	Vertical profiles of droplet size distributions derived from cloud-side observations by the research scanning polarimeter: Tests on simulated data. <i>Atmospheric Research</i> , 2020, 239, 104924.	4.1	10
10	Synergetic Satellite Trend Analysis of Aerosol and Warm Cloud Properties over Ocean and Its Implication for Aerosol-Cloud Interactions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031598.	3.3	11
11	Estimates of African Dust Deposition Along the Transatlantic Transit Using the Decadal Record of Aerosol Measurements from CALIOP, MODIS, MISR, and IASI. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 7975-7996.	3.3	68
12	Theoretical extension of universal forward and backward Monte Carlo radiative transfer modeling for passive and active polarization observation simulations. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 235, 81-94.	2.3	10
13	In vitro therapies for virus elimination of potato-valuable germplasm in Norway. <i>Scientia Horticulturae</i> , 2019, 249, 7-14.	3.6	16
14	Subgrid variations of the cloud water and droplet number concentration over the tropical ocean: satellite observations and implications for warm rain simulations in climate models. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1077-1096.	4.9	26
15	Retrieval of liquid water cloud properties from POLDER-3 measurements using a neural network ensemble approach. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 1697-1716.	3.1	11
16	An Assessment of the Impacts of Cloud Vertical Heterogeneity on Global Ice Cloud Data Records From Passive Satellite Retrievals. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1578-1595.	3.3	13
17	An Evaluation of Marine Boundary Layer Cloud Property Simulations in the Community Atmosphere Model Using Satellite Observations: Conventional Subgrid Parameterization versus CLUBB. <i>Journal of Climate</i> , 2018, 31, 2299-2320.	3.2	21
18	Biomass smoke from southern Africa can significantly enhance the brightness of stratocumulus over the southeastern Atlantic Ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2924-2929.	7.1	81

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19	Estimating precipitation susceptibility in warm marine clouds using multi-sensor aerosol and cloud products from A-Train satellites. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 1763-1783.	4.9	18
20	Growth, microtuber production and physiological metabolism in virus-free and virus-infected potato in vitro plantlets grown under NaCl-induced salt stress. <i>European Journal of Plant Pathology</i> , 2018, 152, 417-432.	1.7	18
21	Evaluation of autoconversion and accretion enhancement factors in general circulation model warm-rain parameterizations using ground-based measurements over the Azores. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17405-17420.	4.9	21
22	Remote Sensing of Droplet Number Concentration in Warm Clouds: A Review of the Current State of Knowledge and Perspectives. <i>Reviews of Geophysics</i> , 2018, 56, 409-453.	23.0	185
23	A Deterministic Self-Organizing Map Approach and its Application on Satellite Data based Cloud Type Classification. , 2018, , .		16
24	Long-term preservation of potato leafroll virus, potato virus S, and potato spindle tuber viroid in cryopreserved shoot tips. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 10743-10754.	3.6	10
25	Cryotherapy: A Novel Method for Virus Eradication in Economically Important Plant Species. <i>Methods in Molecular Biology</i> , 2018, 1815, 257-268.	0.9	12
26	A novel hybrid scattering order-dependent variance reduction method for Monte Carlo simulations of radiative transfer in cloudy atmosphere. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 189, 283-302.	2.3	23
27	Intercomparisons of marine boundary layer cloud properties from the ARM CAP-MBL campaign and two MODIS cloud products. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2351-2365.	3.3	16
28	The MODIS Cloud Optical and Microphysical Products: Collection 6 Updates and Examples From Terra and Aqua. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 502-525.	6.3	489
29	Seasonally transported aerosol layers over southeast Atlantic are closer to underlying clouds than previously reported. <i>Geophysical Research Letters</i> , 2017, 44, 5818-5825.	4.0	51
30	Warming effect of dust aerosols modulated by overlapping clouds below. <i>Atmospheric Environment</i> , 2017, 166, 393-402.	4.1	23
31	Cryopreservation and evaluations of vegetative growth, microtuber production and genetic stability in regenerants of purple-fleshed potato. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 128, 641-653.	2.3	14
32	Viroid Elimination by Thermo-therapy, Cold Therapy, Tissue Culture, In Vitro Micrografting, or Cryotherapy. , 2017, , 425-435.		7
33	Low Temperature Treatment Affects Concentration and Distribution of Chrysanthemum Stunt Viroid in Argyranthemum. <i>Frontiers in Microbiology</i> , 2016, 7, 224.	3.5	3
34	Shortwave direct radiative effects of above-cloud aerosols over global oceans derived from 8 years of CALIOP and MODIS observations. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2877-2900.	4.9	59
35	Marine boundary layer cloud property retrievals from high-resolution ASTER observations: case studies and comparison with Terra MODIS. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 5869-5894.	3.1	14
36	Invasion of shoot apical meristems by Chrysanthemum stunt viroid differs among Argyranthemum cultivars. <i>Frontiers in Plant Science</i> , 2015, 6, 53.	3.6	22

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37	Frequency and causes of failed MODIS cloud property retrievals for liquid phase clouds over global oceans. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4132-4154.	3.3	78
38	Field performance evaluation and genetic integrity assessment in <i>Argyranthemum</i> "Yellow Empire"™ plants recovered from cryopreserved shoot tips. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2015, 51, 505-513.	2.1	15
39	Potato leafroll virus (PLRV) and Potato virus Y (PVY) influence vegetative growth, physiological metabolism, and microtuber production of in vitro-grown shoots of potato (<i>Solanum tuberosum</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 114, 313-324.	2.3	25
40	Production of Pathogen-Free Horticultural Crops by Cryotherapy of In Vitro-Grown Shoot Tips. <i>Methods in Molecular Biology</i> , 2012, 11013, 463-482.	0.9	6
41	Novel and potential application of cryopreservation to plant genetic transformation. <i>Biotechnology Advances</i> , 2012, 30, 604-612.	11.7	34
42	Potato viruses in China. <i>Crop Protection</i> , 2011, 30, 1117-1123.	2.1	92
43	Cryopreservation of sweetpotato (<i>Ipomoea batatas</i>) and its pathogen eradication by cryotherapy. <i>Biotechnology Advances</i> , 2011, 29, 84-93.	11.7	42