Zhenggang Xu

List of Publications by Year
in descending order

83	1,187	331259	433756
papers	citations	21 h-index	31 g-index

89	89	89	1046
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Physiological responses of Broussonetia papyrifera to manganese stress, a candidate plant for phytoremediation. Ecotoxicology and Environmental Safety, 2019, 181, 18-25.	2.9	69
2	New insight into the molecular basis of cadmium stress responses of wild paper mulberry plant by transcriptome analysis. Ecotoxicology and Environmental Safety, 2019, 171, 301-312.	2.9	69
3	Water level affects availability of optimal feeding habitats for threatened migratory waterbirds. Ecology and Evolution, 2017, 7, 10440-10450.	0.8	61
4	Are declining populations of wild geese in China â€˜prisonersâ€™ of their natural habitats?. Current Biology, 2017, 27, R376-R377.	1.8	56
5	Improvement of manganese phytoremediation by Broussonetia papyrifera with two plant growth promoting (PGP) Bacillus species. Chemosphere, 2020, 260, 127614.	4.2	53
6	Synergistic adsorption-photocatalytic degradation effect and norfloxacin mechanism of ZnO/ZnS@BC under UV-light irradiation. Scientific Reports, 2020, 10, 11903.	1.6	50
7	The walnut JrVHAG1 gene is involved in cadmium stress response through ABA-signal pathway and MYB transcription regulation. BMC Plant Biology, 2018, 18, 19.	1.6	49
8	In planta characterization of a tau class glutathione S-transferase gene from Juglans regia (JrGSTTau1) involved in chilling tolerance. Plant Cell Reports, 2016, 35, 681-692.	2.8	47
9	Detecting useful genetic markers and reconstructing the phylogeny of an important medicinal resource plant, Artemisia selengensis, based on chloroplast genomics. PLoS ONE, 2019, 14, e0211340.	1.1	43
10	Novel magnetic Fe3O4/g-C3N4/MoO3 nanocomposites with highly enhanced photocatalytic activities: Visible-light-driven degradation of tetracycline from aqueous environment. PLoS ONE, 2020, 15, e0237389.	1.1	40
11	Both Jr<scp>WRKY</scp>2 and Jr<scp>WRKY</scp>7 of Juglans regia mediate responses to abiotic stresses and abscisic acid through formation of homodimers and interaction. Plant Biology, 2017, 19, 268-278.	1.8	37
12	Characterization of the complete chloroplast genome sequence of Camellia oleifera in Hainan, China. Mitochondrial DNA Part B: Resources, 2017, 2, 843-844.	0.2	36
13	A molecularly imprinted polymer combined with dual functional Au@Fe3O4 nanocomposites for sensitive detection of kanamycin. Journal of Electroanalytical Chemistry, 2020, 870, 114216.	1.9	31
14	The walnut transcription factor JrGRAS2 contributes to high temperature stress tolerance involving in Dof transcriptional regulation and HSP protein expression. BMC Plant Biology, 2018, 18, 367.	1.6	29
15	The complete chloroplast genome of an inverted-repeat-lacking species, Vicia sepium, and its phylogeny. Mitochondrial DNA Part B: Resources, 2018, 3, 137-138.	0.2	28
16	Stochastic simulations reveal few green wave surfing populations among spring migrating herbivorous waterfowl. Nature Communications, 2019, 10, 2187.	5.8	28
17	Biosorption characteristics of a highly Mn(II)-resistant Ralstonia pickettii strain isolated from Mn ore. PLoS ONE, 2018, 13, e0203285.	1.1	27
18	Initial Characterization of the Chloroplast Genome of Vicia sepium, an Important Wild Resource Plant, and Related Inferences About Its Evolution. Frontiers in Genetics, 2020, 11, 73.	1.1	26

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19	Spring migration duration exceeds that of autumn migration in Far East Asian Greater White-fronted Geese (Anser albifrons). Avian Research, 2019, 10, .	0.5	25
20	In-situ synthesis of biochar modified PbMoO4: An efficient visible light-driven photocatalyst for tetracycline removal. Chemosphere, 2021, 284, 131260.	4.2	25
21	Determination of the evolutionary pressure onCamellia oleiferaon Hainan Island using the complete chloroplast genome sequence. PeerJ, 2019, 7, e7210.	0.9	23
22	The Far East taiga forest: unrecognized inhospitable terrain for migrating Arctic-nesting waterbirds?. PeerJ, 2018, 6, e4353.	0.9	22
23	Morphological and Physiological Changes of Broussonetia papyrifera Seedlings in Cadmium Contaminated Soil. Plants, 2020, 9, 1698.	1.6	19
24	Biosorption Characteristics of Mn (II) by Bacillus cereus Strain HM-5 Isolated from Soil Contaminated by Manganese Ore. Polish Journal of Environmental Studies, 2018, 28, 463-472.	0.6	18
25	Exploring the evolutionary characteristics between cultivated tea and its wild relatives using complete chloroplast genomes. Bmc Ecology and Evolution, 2021, 21, 71.	0.7	15
26	A high Mn(II)-tolerance strain, Bacillus thuringiensis HM7, isolated from manganese ore and its biosorption characteristics. PeerJ, 2020, 8, e8589.	0.9	15
27	Characterization of a vacuolar H+-ATPase G subunit gene from Juglans regia (JrVHAG1) involved in mannitol-induced osmotic stress tolerance. Plant Cell Reports, 2017, 36, 407-418.	2.8	13
28	Effects of Climate and Land Use/Land Cover Changes on Water Yield Services in the Dongjiang Lake Basin. ISPRS International Journal of Geo-Information, 2021, 10, 466.	1.4	12
29	Streptomyces phaeolivaceus sp. nov. and Streptomyces broussonetiae sp. nov., isolated from the leaves and rhizosphere soil of Broussonetia papyrifera. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 6458-6467.	0.8	12
30	The complete chloroplast genome of an economic and ecological plant, paper mulberry (Broussonetia) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.2	11
31	Cyclodextrin subject-object recognition-based aptamer sensor for sensitive and selective detection of tetracycline. Journal of Solid State Electrochemistry, 2020, 24, 2365-2372.	1.2	11
32	Walnut ethylene response factor JrERF2-2 interact with JrWRKY7 to regulate the GSTs in plant drought tolerance. Ecotoxicology and Environmental Safety, 2021, 228, 112945.	2.9	11
33	The complete chloroplast genome of an economic plant, Camellia sinensis cultivar Anhua, China. Mitochondrial DNA Part B: Resources, 2018, 3, 558-559.	0.2	10
34	Genome-wide identification and expression analysis of ethylene responsive factor family transcription factors in Juglans regia. PeerJ, 2021, 9, e12429.	0.9	9
35	Annual migratory patterns of Far East Greylag Geese (Anser anser rubrirostris) revealed by GPS tracking. Integrative Zoology, 2020, 15, 213-223.	1.3	8
36	The physicochemical properties and fatty acid composition of two new woody oil resources: Camellia hainanica seed oil and Camellia sinensis seed oil. CYTA - Journal of Food, 2021, 19, 208-211.	0.9	8

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37	Curvularia coatesiae XK8, a Potential Bioadsorbent Material for Adsorbing Cd(II) and Sb(III) Compound Pollution: Characteristics and Effects. Frontiers in Microbiology, 2021, 12, 816312.	1.5	8
38	Structure characteristics of Aspergillus egyptiacus mitochondrial genome, an important fungus during the fermentation of dark tea. Mitochondrial DNA Part B: Resources, 2018, 3, 1135-1136.	0.2	7
39	Structural characteristic and phylogenetic analysis of the complete chloroplast genome of Dianthus Caryophyllus. Mitochondrial DNA Part B: Resources, 2018, 3, 1131-1132.	0.2	7
40	The complete mitochondrial genome of Pelecanus occidentalis (Pelecaniformes: Pelecanidae) and its phylogenetic analysis. Mitochondrial DNA Part B: Resources, 2018, 3, 782-783.	0.2	7
41	Effects of Plant Growth Regulators on the Rapid Propagation System of Broussonetia papyrifera L. Vent Explants. Forests, 2021, 12, 874.	0.9	7
42	Pseudonocardia broussonetiae sp. nov., an endophytic actinomycete isolated from the roots of Broussonetia papyrifera. International Journal of Systematic and Evolutionary Microbiology, 2019, 71, .	0.8	7
43	Integrating Broussonetia papyrifera and Two Bacillus Species to Repair Soil Antimony Pollutions. Frontiers in Microbiology, 2022, 13, 871581.	1.5	7
44	Composition and antioxidant analysis of jiaosu made from three common fruits: watermelon, cantaloupe and orange. CYTA - Journal of Food, 2021, 19, 146-151.	0.9	6
45	Comparison of Aspergillus chevalieri and related species in dark tea at different aspects: Morphology, enzyme activity and mitochondrial genome. Journal of Food Processing and Preservation, 2021, 45, e15903.	0.9	6
46	Landscape pattern and economic factorsâ€™ effect on prediction accuracy of cellular automata-Markov chain model on county scale. Open Geosciences, 2020, 12, 626-636.	0.6	6
47	Habitat evaluation for outbreak of Yangtze voles (Microtus fortis) and management implications. Integrative Zoology, 2015, 10, 267-281.	1.3	5
48	First Description of Grey Heron Ardea cinerea Migration Recorded by GPS/GSM Transmitter. Ornithological Science, 2018, 17, 223-228.	0.3	5
49	Insight into the Characteristics of Soil Microbial Diversity during the Ecological Restoration of Mines: A Case Study in Dabaoshan Mining Area, China. Sustainability, 2021, 13, 11684.	1.6	5
50	Contrasting habitat use and conservation status of Chinese-wintering and other Eurasian Greater White-fronted Goose (Anser albifrons) populations. Avian Research, 2021, 12, .	0.5	5
51	Synergistic Succession of the Small Mammal Community and Herbaceous Vegetation after Reconverting Farmland to Seasonally Flooded Wetlands in the Dongting Lake Region, China. Mammal Study, 2018, 43, .	0.2	4
52	Computational study of the cycloaddition reactivity of the osmium silylyne. Inorganica Chimica Acta, 2014, 422, 40-46.	1.2	3
53	The complete chloroplast genome and phylogeny of Artemisia selengensis in Dongting Lake. Mitochondrial DNA Part B: Resources, 2018, 3, 907-908.	0.2	3
54	The complete mitochondrial genome and phylogeny of Geospiza magnirostris (Passeriformes:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	0.4	3

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55	Proposal of Lentzea deserti (Okoro et al. 2010) Nouioui et al. 2018 as a later heterotypic synonym of Lentzea atacamensis (Okoro et al. 2010) Nouioui et al. 2018 and an emended description of Lentzea atacamensis. PLoS ONE, 2021, 16, e0246533.	1.1	3
56	Walnut JrGSTU23 and JrVHAc4 involve in drought tolerance via JrWRKY2-mediated upstream regulatory pathway. Scientia Horticulturae, 2022, 295, 110871.	1.7	3
57	Broussonetia papyrifera fruits as a potential source of functional materials to develop the phytoremediation strategy. Environmental Challenges, 2022, 7, 100478.	2.0	3
58	Effect of g-C3N4 on biodiversity and structure of bacterial community in sediment of Xiangjiang River under tetracycline pressure. Ecotoxicology, 2022, 31, 503-515.	1.1	3
59	The effects of g-C3N4/biochar and g-C3N4 on bacterial community in riverbed sediment. Environmental Science and Pollution Research, 2022, 29, 85286-85299.	2.7	3
60	Complete mitochondrial genome and phylogenetic analysis of Penicillium citrinum in dark tea. Mitochondrial DNA Part B: Resources, 2019, 4, 2445-2446.	0.2	2
61	New insights into the evolutionary characteristic between the New World and Old World Lupinus species using complete chloroplast genomes. International Journal of Transgender Health, 2021, 14, 414-427.	1.1	2
62	Ecological Security Evaluation Algorithm for Resource-Exhausted Cities Based on the PSR Model. Computers, Materials and Continua, 2021, 69, 985-1001.	1.5	2
63	Camellia hainanica (Theaceae) a new species from Hainan, supported from morphological characters and phylogenetic analysis. Pakistan Journal of Botany, 2020, 52, .	0.2	2
64	DNA metabarcoding uncovers the diet of subterranean rodents in China. PLoS ONE, 2022, 17, e0258078.	1.1	2
65	Integrative Metabolome and Transcriptome Analysis of Flavonoid Biosynthesis Genes in Broussonetia papyrifera Leaves From the Perspective of Sex Differentiation. Frontiers in Plant Science, 2022, 13, .	1.7	2
66	Effect of population density on reproduction inMicrotus fortisunder laboratory conditions. Acta Biologica Hungarica, 2014, 65, 121-131.	0.7	1
67	Complete mitochondrial genome of Pelecanus crispus and its phylogeny. Mitochondrial DNA Part B: Resources, 2019, 4, 3075-3076.	0.2	1
68	Characterization and phylogenetic analysis of the chloroplast genome of Lupinus westianus, a endemic species to Florida, United States. Conservation Genetics Resources, 2019, 11, 51-54.	0.4	1
69	Sequencing and phylogenetic analysis of mitochondrial genome of Aspergillus cristatus. Mitochondrial DNA Part B: Resources, 2020, 5, 2615-2616.	0.2	1
70	Structural variation and phylogenetic relationship of Geospiza magnirostris based on mitochondrial control region. Biologia (Poland), 2021, 76, 1367-1373.	0.8	1
71	Comparison of some internal organs of adultMicrotus fortisin different rearing density. Acta Ecologica Sinica, 2015, 35, .	0.0	1
72	Behavioural Rhythms during the Adaptive Phase of Introduced Milu/Pere David's Deer, Elaphurus davidianus, in the Dongting Lake Wetland, China. Pakistan Journal of Zoology, 2017, 49, 1657-1664.	0.1	1

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73	The characteristic of corvus pectoralisâ€™s complete mitochondrial genome and phylogeny analysis. Mitochondrial DNA Part B: Resources, 2019, 4, 3513-3514.	0.2	0
74	Efficient photocatalytic degradation of tetracycline in wastewater with non-layered 2D PbMoO4. , 0, 209, 302-315.		0
75	The Complete Mitochondrial Genome Comparison between Pelecanus occidentalis and Pelecanus crispus. Russian Journal of Genetics, 2021, 57, 1073-1081.	0.2	0
76	Assessing Yangtze vole damage in Dongting Lake region of outbreak year based on MODIS imagery. Acta Ecologica Sinica, 2014, 34, .	0.0	0
77	A Spectral Model of Phytoplankton Absorption for Inland Lake. Journal of Computational and Theoretical Nanoscience, 2016, 13, 6555-6562.	0.4	0
78	Distribution pattern and diversity of rodent communities at beach and lakeside areas in the Dongting Lake region. Acta Ecologica Sinica, 2017, 37, .	0.0	0
79	Home range associated with water surface variations for wintering Cygnus columbianus in Dongting Lake. Acta Ecologica Sinica, 2019, 39, .	0.0	0
80	Title is missing!. , 2020, 15, e0237389.		0
81	Title is missing!. , 2020, 15, e0237389.		0
82	Title is missing!. , 2020, 15, e0237389.		0
83	Title is missing!. , 2020, 15, e0237389.		0