Yanyou Wu

List of Publications by Year in descending order

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73	917	567281 15	552781 26
papers	citations	h-index	g-index

76	76	76	876
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of different light intensities on chlorophyll fluorescence characteristics and yield in lettuce. Scientia Horticulturae, 2012, 135, 45-51.	3.6	201
2	Phosphofructokinase and glucose-6-phosphate dehydrogenase in response to drought and bicarbonate stress at transcriptional and functional levels in mulberry. Russian Journal of Plant Physiology, 2016, 63, 235-242.	1.1	35
3	Effects of Zn Deficiency and Bicarbonate on the Growth and Photosynthetic Characteristics of Four Plant Species. PLoS ONE, 2017, 12, e0169812.	2.5	35
4	Estimation of aboveground biomass of different mangrove trees based on canopy diameter and tree height. Procedia Environmental Sciences, 2011, 10, 2189-2194.	1.4	27
5	Impact of Zn, Cu, and Fe on the Activity of Carbonic Anhydrase of Erythrocytes in Ducks. Biological Trace Element Research, 2007, 118, 227-232.	3.5	23
6	Root-derived bicarbonate assimilation in response to variable water deficit in Camptotheca acuminate seedlings. Photosynthesis Research, 2017, 134, 59-70.	2.9	23
7	Spatial and seasonal variation of salt ions under the influence of halophytes, in a coastal flat in eastern China. Environmental Geology, 2009, 57, 1501.	1.2	22
8	Photosynthetic response of three climber plant species to osmotic stress induced by polyethylene glycol (PEG) 6000. Acta Physiologiae Plantarum, 2012, 34, 1659-1668.	2.1	22
9	Rhizosphere calcareous soil P-extraction at the expense of organic carbon from root-exuded organic acids induced by phosphorus deficiency in several plant species. Soil Science and Plant Nutrition, 2014, 60, 640-650.	1.9	22
10	A Chitosan Composite Film Sprayed before Pathogen Infection Effectively Controls Postharvest Soft Rot in Kiwifruit. Agronomy, 2020, 10, 265.	3.0	22
11	Photosynthetic response of two okra cultivars under salt stress and re-watering. Journal of Plant Interactions, 2017, 12, 67-77.	2.1	21
12	Enhanced elimination of dimethachlon from soils using a novel strain Brevundimonas naejangsanensis J3. Journal of Environmental Management, 2020, 255, 109848.	7.8	21
13	Enhancement of dicarboximide fungicide degradation by two bacterial cocultures of Providencia stuartii JD and Brevundimonas naejangsanensis J3. Journal of Hazardous Materials, 2021, 403, 123888.	12.4	21
14	Differential contributions of NO3â˜/NH4+ to nitrogen use in response to a variable inorganic nitrogen supply in plantlets of two Brassicaceae species in vitro. Plant Methods, 2019, 15, 86.	4.3	20
15	Effect of phosphorus deficiency on photosynthetic inorganic carbon assimilation of three climber plant species. , 2014, 55, 60.		19
16	The role of microalgae and their carbonic anhydrase on the biological dissolution of limestone. Environmental Earth Sciences, 2014, 71, 5231-5239.	2.7	18
17	A Plantâ€™s Electrical Parameters Indicate Its Physiological State: A Study of Intracellular Water Metabolism. Plants, 2020, 9, 1256.	3.5	17
18	Leaf physiological impedance and elasticity modulus in Orychophragmus violaceus seedlings subjected to repeated osmotic stress. Scientia Horticulturae, 2021, 276, 109763.	3.6	16

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19	Mechanism of the plant community succession process in the Zhenjiang Waterfront Wetland. Plant Ecology, 2011, 212, 1339-1347.	1.6	14
20	Quantification of photosynthetic inorganic carbon utilisation via a bidirectional stable carbon isotope tracer. Acta Geochimica, 2016, 35, 130-137.	1.7	14
21	Rapid prediction of the re-watering time point of Orychophragmus violaceus L. based on the online monitoring of electrophysiological indexes. Scientia Horticulturae, 2019, 256, 108642.	3.6	13
22	An Assessment of the Spatial and Temporal Distribution of Soil Salinity in Combination with Field and Satellite Data: A Case Study in Sujawal District. Agronomy, 2019, 9, 869.	3.0	13
23	Is bicarbonate directly used as substrate to participate in photosynthetic oxygen evolution. Acta Geochimica, 2021, 40, 650-658.	1.7	13
24	The biokarst system and its carbon sinks in response to p<scp>H</scp> changes: A simulation experiment with microalgae. Geochemistry, Geophysics, Geosystems, 2017, 18, 827-843.	2.5	12
25	Leaf tensity: a method for rapid determination of water requirement information inBrassica napusL.. Journal of Plant Interactions, 2018, 13, 380-387.	2.1	12
26	Re-watering: An effective measure to recover growth and photosynthetic characteristics in salt-stressed Brassica napus L.. Chilean Journal of Agricultural Research, 2017, 77, 78-86.	1.1	11
27	Salt-induced effects on growth and photosynthetic traits of Orychophragmus violaceus and its restoration through re-watering. Revista Brasileira De Botanica, 2018, 41, 29-41.	1.3	11
28	Bicarbonate use and carbon dioxide concentrating mechanisms in photosynthetic organisms. Acta Geochimica, 2021, 40, 846-853.	1.7	11
29	Effect of acetazolamide on stable carbon isotope fractionation in Chlamydomonas reinhardtii and Chlorella vulgaris. Science Bulletin, 2012, 57, 786-789.	1.7	10
30	Evaluation of irrigation effects using diluted salted water based on electrophysiological properties of plants. Journal of Plant Interactions, 2017, 12, 219-227.	2.1	10
31	Biomass Production of Three Biofuel Energy Plantsâ€™ Use of a New Carbon Resource by Carbonic Anhydrase in Simulated Karst Soils: Mechanism and Capacity. Energies, 2017, 10, 1370.	3.1	10
32	Plantâ€™s electrophysiological information manifests the composition and nutrient transport characteristics of membrane proteins. Plant Signaling and Behavior, 2021, 16, 1918867.	2.4	10
33	Orychophragmus violaceus L., a marginal land-based plant for biodiesel feedstock: Heterogeneous catalysis, fuel properties, and potential. Energy Conversion and Management, 2014, 84, 497-502.	9.2	9
34	Joint interactions of carbon and nitrogen metabolism dominated by bicarbonate and nitrogen in Orychophragmus violaceus and Brassica napus under simulated karst habitats. BMC Plant Biology, 2022, 22, .	3.6	9
35	Study on photosynthetic characteristics of Orychophragmus violaceus related to shade-tolerance. Scientia Horticulturae, 2007, 113, 173-176.	3.6	8
36	Composition and activity of external carbonic anhydrase of microalgae from karst lakes in China. Phycological Research, 2008, 56, 76-82.	1.6	8

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37	Biosorption of trace metals from aqueous multimetal solutions by green microalgae. Diqiu Huaxue, 2013, 32, 385-391.	0.5	8
38	An Electrochemical Approach Coupled with Sb Microelectrode to Determine the Activities of Carbonic Anhydrase in the Plant Leaves. Lecture Notes in Electrical Engineering, 2011, , 87-94.	0.4	8
39	Rhizospheric Bicarbonate Improves Glucose Metabolism and Stress Tolerance of Broussonetia papyrifera L. Seedlings under Simulated Drought Stress. Russian Journal of Plant Physiology, 2021, 68, 126-135.	1.1	7
40	Biosensor Based on Malic Dehydrogenase Immobilized in a CdS-Graphene-Chitosan Nanocomposite for Root-Exuded Malic Acid Determination. Sensor Letters, 2013, 11, 436-441.	0.4	6
41	Effects of carbon anhydrase on utilization of bicarbonate in microalgae: a case study in Lake Hongfeng. Acta Geochimica, 2018, 37, 519-525.	1.7	6
42	Bicarbonate stimulates nonâ€structural carbohydrate pools of Camptotheca acuminata. Physiologia Plantarum, 2019, 165, 780-789.	5.2	6
43	Response of okra based on electrophysiological modeling under salt stress and re-watering. Bioscience Journal, 0, , 1219-1229.	0.4	6
44	Can Electrophysiological Parameters Substitute for Growth, and Photosynthetic Parameters to Characterize the Response of Mulberry and Paper Mulberry to Drought?. Plants, 2021, 10, 1772.	3.5	6
45	Bicarbonate uptake experiment show potential karst carbon sinks transformation into carbon sequestration by terrestrial higher plants. Journal of Plant Interactions, 2022, 17, 419-426.	2.1	6
46	Suspended sediment in tidal currents: An often-neglected pollutant that aggravates mangrove degradation. Marine Pollution Bulletin, 2014, 84, 164-171.	5.0	5
47	Effects of Foliage Spraying with Sodium Bisulfite on the Photosynthesis of Orychophragmus violaceus. Horticulturae, 2021, 7, 137.	2.8	5
48	Leaf Intracellular Water Transport Rate Based on Physiological Impedance: A Possible Role of Leaf Internal Retained Water in Photosynthesis and Growth of Tomatoes. Frontiers in Plant Science, 2022, 13, 845628.	3.6	5
49	The distribution characteristics of nitrogen and phosphorus in the ecological system of Mt. Beigu wetland. Diqiu Huaxue, 2009, 28, 55-60.	0.5	4
50	Effects of low nutrition on photosynthetic capacity and accumulation of total N and P in three climber plant species. Diqiu Huaxue, 2015, 34, 115-122.	0.5	4
51	The influence of three mangrove species on the distribution of inorganic nitrogen and phosphorus in the Quanzhou Bay estuarine wetland soils. Acta Geochimica, 2016, 35, 64-71.	1.7	4
52	The Î´15N response and nitrate assimilation of Orychophragmus violaceus and Brassica napus plantlets in vitro during the multiplication stage cultured under different nitrate concentrations. Acta Geochimica, 2017, 36, 190-197.	1.7	4
53	Effect of Zn deficiency and excessive bicarbonate on the allocation and exudation of organic acids in two Moraceae plants. Acta Geochimica, 2018, 37, 125-133.	1.7	4
54	Does bicarbonate affect the nitrate utilization and photosynthesis of Orychophragmus violaceus?. Acta Geochimica, 2018, 37, 875-885.	1.7	4

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55	Leaf stiffness of two Moraceae species based on leaf tensity determined by compressing different external gripping forces under dehydration stress. Journal of Plant Interactions, 2019, 14, 610-616.	2.1	4
56	A comparative study on the circadian rhythm of the electrical signals of Broussonetia papyrifera and Morus alba. Plant Signaling and Behavior, 2021, 16, 1950899.	2.4	4
57	The differential responses ofAegiceras corniculatumandKandelia candelunder salt stress and re-watering phase. A study of leaf electrophysiological and growth parameters. Journal of Plant Interactions, 2021, 16, 307-320.	2.1	4
58	Murburn Model of Photosynthesis: Effect of Additives like Chloride and Bicarbonate. , 0, , .		4
59	Photosynthetic capability and Fe, Mn, Cu, and Zn contents in two Moraceae species under different phosphorus levels. Acta Geochimica, 2016, 35, 309-315.	1.7	3
60	Differential Distribution of Metals and Enzymes in Quanzhou Bay Estuarine Wetland Soils under Three Mangrove Species. Soil and Sediment Contamination, 2016, 25, 75-88.	1.9	3
61	Comparison on the Nutrient Plunder Capacity of Orychophragmus violaceus and Brassica napus L. Based on Electrophysiological Information. Horticulturae, 2021, 7, 206.	2.8	3
62	High-voltage electrostatic fields increase nitrogen uptake and improve growth of tomato seedlings
. Canadian Journal of Plant Science, 0, , .	0.9	2
63	The Differential Response of Intracellular Water Metabolism Derived from Intrinsic Electrophysiological Information in Morus alba L. and Broussonetia papyrifera (L.) Vent. Subjected to Water Shortage. Horticulturae, 2022, 8, 182.	2.8	2
64	Effects of Different Inorganic Nitrogen Sources of Iris pseudacorus and Iris japonica on Energy Distribution, Nitrogen, and Phosphorus Removal. Hortscience: A Publication of the American Society for Hortcultural Science, 2022, 57, 698-707.	1.0	2
65	Competition and Niche Differentiation of Water and Nutrients between Broussonetia papyrifera and Platycladus orientalis under Prolonged Drought Stress. Agronomy, 2022, 12, 1489.	3.0	2
66	Changes in elastic modulus, leaf tensity and leaf density during dehydration of detached leaves in two plant species of Moraceae. Chilean Journal of Agricultural Research, 2021, 81, 434-447.	1.1	1
67	Sterile dynamic measurement of the in vitro nitrogen use efficiency of plantlets. , 2014, , 77-114.		1
68	Can electrophysiological information reflect the response of mangrove species to salt stress? A case study of rewatering and Sodium nitroprusside application. Plant Signaling and Behavior, 2022, 17, 2073420.	2.4	1
69	Dynamics of phosphorus in water-sediment interface during the courses of proliferating, blooming and decaying of C. Reinhardtii under simulated conditions. , 2011, , .		0
70	Measurement of lettuce leaf chlorophyll content by means of VIS-NIR spectroscopy. , 2011, , .		0
71	Sterile measurement on the characteristics of chlorophyll fluorescence in plantlets in vitro preserved under low temperature condition. Proceedings of SPIE, 2013, , .	0.8	0
72	Can Electrophysiological Parameters Substitute for Growth, and Photosynthetic Parameters to Characterize the Response of Mulberry and Paper Mulberry to Drought?. Plants, 2021, 10, .	3.5	0

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73	Effects of NaHSO3 on Cellular Metabolic Energy, Photosynthesis and Growth of Iris pseudacorus L.. Horticulturae, 2022, 8, 185.	2.8	0