Ning Zhao

List of Publications by Year
in descending order

42 papers	961 citations	516710 16 h-index	477307 29 g-index
46 all docs	46 docs citations	46 times ranked	879 citing authors

#	Article	IF	Citations
1	A Sweetpotato Auxin Response Factor Gene (IbARF5) Is Involved in Carotenoid Biosynthesis and Salt and Drought Tolerance in Transgenic Arabidopsis. Frontiers in Plant Science, 2018, 9, 1307.	3.6	89
2	A nonâ€tandem <scp>CCCH</scp>â€type zincâ€finger protein, IbC3H18, functions as a nuclear transcriptional activator and enhances abiotic stress tolerance in sweet potato. New Phytologist, 2019, 223, 1918-1936.	7.3	89
3	A lycopene Î²-cyclase gene, IbLCYB2, enhances carotenoid contents and abiotic stress tolerance in transgenic sweetpotato. Plant Science, 2018, 272, 243-254.	3.6	81
4	A genetic linkage map based on AFLP and SSR markers and mapping of QTL for dry-matter content in sweetpotato. Molecular Breeding, 2013, 32, 807-820.	2.1	76
5	IbBBX24 Promotes the Jasmonic Acid Pathway and Enhances Fusarium Wilt Resistance in Sweet Potato. Plant Cell, 2020, 32, 1102-1123.	6.6	65
6	A Novel Sweetpotato WRKY Transcription Factor, IbWRKY2, Positively Regulates Drought and Salt Tolerance in Transgenic Arabidopsis. Biomolecules, 2020, 10, 506.	4.0	60
7	An AP2/ERF gene, IbRAP2-12, from sweetpotato is involved in salt and drought tolerance in transgenic Arabidopsis. Plant Science, 2019, 281, 19-30.	3.6	58
8	A novel sweetpotato bZIP transcription factor gene, IbbZIP1, is involved in salt and drought tolerance in transgenic Arabidopsis. Plant Cell Reports, 2019, 38, 1373-1382.	5.6	44
9	A Novel Sweetpotato Transcription Factor Gene IbMYB116 Enhances Drought Tolerance in Transgenic Arabidopsis. Frontiers in Plant Science, 2019, 10, 1025.	3.6	39
10	The IbBBX24â€“IbTOE3â€“IbPRX17 module enhances abiotic stress tolerance by scavenging reactive oxygen species in sweet potato. New Phytologist, 2022, 233, 1133-1152.	7.3	37
11	A sucrose nonâ€fermentingâ€1â€related protein kinaseâ€1 gene, IbSnRK1, improves starch content, composition, granule size, degree of crystallinity and gelatinization in transgenic sweet potato. Plant Biotechnology Journal, 2019, 17, 21-32.	8.3	27
12	Comparison of the diagnostic power of cytokine patterns and procalcitonin for predicting infection among paediatric haematology/oncology patients. Clinical Microbiology and Infection, 2016, 22, 996-1001.	6.0	26
13	Computerâ€Assisted Design of Imidazolateâ€Based Ionic Liquids for Improving Sulfur Dioxide Capture, Carbon Dioxide Capture, and Sulfur Dioxide/Carbon Dioxide Selectivity. Chemistry - an Asian Journal, 2017, 12, 2863-2872.	3.3	26
14	A novel sweetpotato RING-H2 type E3 ubiquitin ligase gene IbATL38 enhances salt tolerance in transgenic Arabidopsis. Plant Science, 2021, 304, 110802.	3.6	25
15	A Lagrangian View of Moisture Transport Related to the Heavy Rainfall of July 2020 in Japan: Importance of the Moistening Over the Subtropical Regions. Geophysical Research Letters, 2021, 48, e2020GL091441.	4.0	25
16	The Sweetpotato BTB-TAZ Protein Gene, IbBT4, Enhances Drought Tolerance in Transgenic Arabidopsis. Frontiers in Plant Science, 2020, 11, 877.	3.6	18
17	Novel electronic properties of two-dimensional As_xSb_y alloys studied using DFT. Journal of Materials Chemistry C, 2018, 6, 2854-2861.	5.5	17
18	Identification of QTLs for storage root yield in sweetpotato. Scientia Horticulturae, 2014, 170, 182-188.	3.6	14

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19	Improving SO₂capture by basic ionic liquids in an acid gas mixture (10% vol) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	3.6	13
20	Constructing a methanol-dependent Bacillus subtilis by engineering the methanol metabolism. Journal of Biotechnology, 2022, 343, 128-137.	3.8	12
21	Frontogenesis and frontolysis of the subpolar front in the surface mixed layer of the Japan Sea. Journal of Geophysical Research: Oceans, 2014, 119, 1498-1509.	2.6	11
22	High thermal stability of coreâ€“shell structures dominated by negative interface energy. Physical Chemistry Chemical Physics, 2017, 19, 9253-9260.	2.8	10
23	How Does the Airâ€Sea Coupling Frequency Affect Convection During the MJO Passage?. Journal of Advances in Modeling Earth Systems, 2020, 12, e2020MS002058.	3.8	9
24	Identification of QTL for resistance to root rot in sweetpotato (Ipomoea batatas (L.) Lam) with SSR linkage maps. BMC Genomics, 2020, 21, 366.	2.8	8
25	Genome-Wide Identification and Expression Analysis of JAZ Family Involved in Hormone and Abiotic Stress in Sweet Potato and Its Two Diploid Relatives. International Journal of Molecular Sciences, 2021, 22, 9786.	4.1	8
26	Summer Wind Effects on Coastal Upwelling in the Southwestern Yellow Sea. Journal of Marine Science and Engineering, 2021, 9, 1021.	2.6	8
27	Genome-Wide Identification and Characterization of CDPK Family Reveal Their Involvements in Growth and Development and Abiotic Stress in Sweet Potato and Its Two Diploid Relatives. International Journal of Molecular Sciences, 2022, 23, 3088.	4.1	8
28	Constructing the separation pathway for photo-generated carriers by diatomic sites decorated on MIL-53-NH2(Al) for enhanced photocatalytic performance. Nano Research, 0, , .	10.4	8
29	The mechanism by which ATP regulates alcoholic steatohepatitis through P2X4 and CD39. European Journal of Pharmacology, 2022, 916, 174729.	3.5	6
30	Adenosine receptor A2B mediates alcoholic hepatitis by regulating cAMP levels and the NF-KB pathway. Toxicology Letters, 2022, 359, 84-95.	0.8	6
31	A cytochrome P450 superfamily gene, IbCYP82D47, increases carotenoid contents in transgenic sweet potato. Plant Science, 2022, 318, 111233.	3.6	6
32	Fusion of Multiple Pyroelectric Characteristics for Human Body Identification. Algorithms, 2014, 7, 685-702.	2.1	5
33	A new approach to construct bulk and size-dependent continuous binary solution phase diagrams of alloys. RSC Advances, 2015, 5, 96323-96327.	3.6	5
34	Sensitive analysis of energy consumption of operating parameters for coal-fired unit. , 2008, , .		4
35	Intensification of the subpolar front in the Sea of Japan during winter cyclones. Journal of Geophysical Research: Oceans, 2016, 121, 2253-2267.	2.6	4
36	Atmospheric Rivers over the Indo-Pacific and its Associations with Boreal Summer Intraseasonal Oscillation. Journal of Climate, 2021, , 1-46.	3.2	4

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37	Spatial Distribution and Source of Inorganic Elements in PM2.5 During a Typical Winter Haze Episode in Guilin, China. Archives of Environmental Contamination and Toxicology, 2020, 79, 1-11.	4.1	3
38	A Simulation Model of Seawater Vertical Temperature by Using Back-Propagation Neural Network. Polish Maritime Research, 2015, 22, 82-88.	1.9	3
39	Modulation of Extratropical Cyclones by Previous Cyclones via the Sea Surface Temperature Anomaly Over the Sea of Japan in Winter. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6312-6330.	3.3	2
40	The on-line guide system for power plant based on parameter variance analysis and logical matrix. , 2008, , .		1
41	Why Does Convection Weaken over Sumatra Island in an Active Phase of the MJO?. Monthly Weather Review, 2022, 150, 697-714.	1.4	1
42	The operating parameters sensitive analysis of energy consumption for coal-fired power plant. , 2008, , .		0