

Xiangpei Kong

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

2,093
citations

331670

21
h-index

377865

34
g-index

35
all docs

35
docs citations

35
times ranked

2551
citing authors

#	ARTICLE	IF	CITATIONS
1	Differentially charged nanoplastics demonstrate distinct accumulation in <i>Arabidopsis thaliana</i> . <i>Nature Nanotechnology</i> , 2020, 15, 755-760.	31.5	619
2	Genome-wide identification and expression analysis of calcium-dependent protein kinase in maize. <i>BMC Genomics</i> , 2013, 14, 433.	2.8	179
3	<i>ZmMKK4</i> , a novel group C mitogen-activated protein kinase kinase in maize (<i>Zea mays</i>), confers salt and cold tolerance in transgenic <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2011, 34, 1291-1303.	5.7	167
4	PHB3 Maintains Root Stem Cell Niche Identity through ROS-Responsive AP2/ERF Transcription Factors in <i>Arabidopsis</i> . <i>Cell Reports</i> , 2018, 22, 1350-1363.	6.4	128
5	The Root Transition Zone: A Hot Spot for Signal Crosstalk. <i>Trends in Plant Science</i> , 2018, 23, 403-409.	8.8	78
6	Identification of mitogen-activated protein kinase kinase gene family and MKK-MAPK interaction network in maize. <i>Biochemical and Biophysical Research Communications</i> , 2013, 441, 964-969.	2.1	69
7	Potassium Retention under Salt Stress Is Associated with Natural Variation in Salinity Tolerance among <i>Arabidopsis</i> Accessions. <i>PLoS ONE</i> , 2015, 10, e0124032.	2.5	69
8	Designer crops: optimal root system architecture for nutrient acquisition. <i>Trends in Biotechnology</i> , 2014, 32, 597-598.	9.3	66
9	Genome-Wide Identification and Analysis of Expression Profiles of Maize Mitogen-Activated Protein Kinase Kinase Kinase. <i>PLoS ONE</i> , 2013, 8, e57714.	2.5	64
10	Non-canonical <i>AUX</i> / <i>IAA</i> protein <i>IAA</i> 33 competes with canonical <i>AUX</i> / <i>IAA</i> repressor <i>IAA</i> 5 to negatively regulate auxin signaling. <i>EMBO Journal</i> , 2020, 39, e101515.	7.8	62
11	Overexpression of a maize dehydrin gene, <i>ZmDHN2b</i> , in tobacco enhances tolerance to low temperature. <i>Plant Growth Regulation</i> , 2011, 65, 109-118.	3.4	53
12	System analysis of microRNA's in the development and aluminium stress responses of the maize root system. <i>Plant Biotechnology Journal</i> , 2014, 12, 1108-1121.	8.3	47
13	WOX5 is Shining in the Root Stem Cell Niche. <i>Trends in Plant Science</i> , 2015, 20, 601-603.	8.8	45
14	ROS: The Fine-Tuner of Plant Stem Cell Fate. <i>Trends in Plant Science</i> , 2018, 23, 850-853.	8.8	44
15	Ethylene promotes cadmium-induced root growth inhibition through <i>EIN3</i> controlled <i>XTH33</i> and <i>LSU1</i> expression in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2018, 41, 2449-2462.	5.7	44
16	<i>ZmMKK4</i> regulates osmotic stress through reactive oxygen species scavenging in transgenic tobacco. <i>Plant Cell Reports</i> , 2011, 30, 2097-2104.	5.6	43
17	Antagonistic Interaction between Auxin and SA Signaling Pathways Regulates Bacterial Infection through Lateral Root in <i>Arabidopsis</i> . <i>Cell Reports</i> , 2020, 32, 108060.	6.4	38
18	Comparative transcript profiling of maize inbreds in response to long-term phosphorus deficiency stress. <i>Plant Physiology and Biochemistry</i> , 2016, 109, 467-481.	5.8	34

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19	PRH1 mediates ARF7-LBD dependent auxin signaling to regulate lateral root development in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2020, 16, e1008044.	3.5	34
20	Comparative Transcriptome Profiling of the Maize Primary, Crown and Seminal Root in Response to Salinity Stress. <i>PLoS ONE</i> , 2015, 10, e0121222.	2.5	31
21	PIFs coordinate shade avoidance by inhibiting auxin repressor <i>ARF18</i> and metabolic regulator <i>QQS</i> . <i>New Phytologist</i> , 2020, 228, 609-621.	7.3	29
22	<i>AtHB7/12</i> Regulate Root Growth in Response to Aluminum Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4080.	4.1	19
23	Recent Insights into Brassinosteroid Signaling in Plants: Its Dual Control of Plant Immunity and Stomatal Development. <i>Molecular Plant</i> , 2012, 5, 1179-1181.	8.3	16
24	RLCKs Bridge Plant Immune Receptors and MAPK Cascades. <i>Trends in Plant Science</i> , 2018, 23, 1039-1041.	8.8	16
25	Light participates in the auxin-dependent regulation of plant growth. <i>Journal of Integrative Plant Biology</i> , 2021, 63, 819-822.	8.5	15
26	Plant Sense: The Rise of Calcium Channels. <i>Trends in Plant Science</i> , 2020, 25, 838-841.	8.8	14
27	Hydrogen peroxide is not involved in HrpN from <i>Erwinia amylovora</i> -induced hypersensitive cell death in maize leaves. <i>Plant Cell Reports</i> , 2011, 30, 1273-1279.	5.6	11
28	Initiation and maintenance of plant stem cells in root and shoot apical meristems. <i>ABIOTECH</i> , 2020, 1, 194-204.	3.9	11
29	Cell-type action specificity of auxin on <i>Arabidopsis</i> root growth. <i>Plant Journal</i> , 2021, 106, 928-941.	5.7	11
30	26S Proteasome: Hunter and Prey in Auxin Signaling. <i>Trends in Plant Science</i> , 2016, 21, 546-548.	8.8	10
31	In silico analysis of PHB gene family in maize. <i>Plant Growth Regulation</i> , 2014, 73, 181-191.	3.4	9
32	The <i>Arabidopsis</i> Root Tip (Phospho)Proteomes at Growth-Promoting versus Growth-Repressing Conditions Reveal Novel Root Growth Regulators. <i>Cells</i> , 2021, 10, 1665.	4.1	8
33	D53: The Missing Link in Strigolactone Signaling. <i>Molecular Plant</i> , 2014, 7, 761-763.	8.3	6
34	How plants discern friends from foes. <i>Trends in Plant Science</i> , 2022, 27, 107-109.	8.8	2