

# Qiang Wang

## List of Publications by Year in descending order

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27  
papers

1,461  
citations

430874

18  
h-index

526287

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1374  
citing authors

#	ARTICLE	IF	CITATIONS
1	CYP76M7 Is an <i>ent</i> -Cassadiene C11±-Hydroxylase Defining a Second Multifunctional Diterpenoid Biosynthetic Gene Cluster in Rice. <i>Plant Cell</i> , 2009, 21, 3315-3325.	6.6	199
2	Transcriptional Factors Regulate Plant Stress Responses Through Mediating Secondary Metabolism. <i>Genes</i> , 2020, 11, 346.	2.4	138
3	Formation of the Unusual Semivolatile Diterpene Rhizathalene by the <i>Arabidopsis</i> Class I Terpene Synthase TPS08 in the Root Stele Is Involved in Defense against Belowground Herbivory. <i>Plant Cell</i> , 2013, 25, 1108-1125.	6.6	123
4	Characterization of CYP76M5â€“8 Indicates Metabolic Plasticity within a Plant Biosynthetic Gene Cluster. <i>Journal of Biological Chemistry</i> , 2012, 287, 6159-6168.	3.4	116
5	CYP701A8: A Rice <i>ent</i> -Kaurene Oxidase Paralog Diverted to More Specialized Diterpenoid Metabolism. <i>Plant Physiology</i> , 2012, 158, 1418-1425.	4.8	109
6	CYP99A3: functional identification of a diterpene oxidase from the momilactone biosynthetic gene cluster in rice. <i>Plant Journal</i> , 2011, 65, 87-95.	5.7	102
7	Discovery, Biosynthesis and Stress-Related Accumulation of Dolabradiene-Derived Defenses in Maize. <i>Plant Physiology</i> , 2018, 176, 2677-2690.	4.8	94
8	A Tandem Array of <i>ent</i> -Kaurene Synthases in Maize with Roles in Gibberellin and More Specialized Metabolism. <i>Plant Physiology</i> , 2016, 170, 742-751.	4.8	81
9	Parsing a multifunctional biosynthetic gene cluster from rice: Biochemical characterization of CYP71Z6 & 7. <i>FEBS Letters</i> , 2011, 585, 3446-3451.	2.8	70
10	Multiple genes recruited from hormone pathways partition maize diterpenoid defences. <i>Nature Plants</i> , 2019, 5, 1043-1056.	9.3	60
11	ZmWRKY79 positively regulates maize phytoalexin biosynthetic gene expression and is involved in stress response. <i>Journal of Experimental Botany</i> , 2018, 69, 497-510.	4.8	51
12	Picking sides: distinct roles for CYP76M6 and CYP76M8 in rice oryzalexin biosynthesis. <i>Biochemical Journal</i> , 2013, 454, 209-216.	3.7	48
13	Characterization of CYP71Z18 indicates a role in maize zealexin biosynthesis. <i>Phytochemistry</i> , 2016, 121, 4-10.	2.9	43
14	Maize WRKY Transcription Factor ZmWRKY79 Positively Regulates Drought Tolerance through Elevating ABA Biosynthesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10080.	4.1	38
15	Indole primes plant defense against necrotrophic fungal pathogen infection. <i>PLoS ONE</i> , 2018, 13, e0207607.	2.5	30
16	Maize transcription factor ZmEREB20 enhanced salt tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 159, 257-267.	5.8	28
17	Direct production of dihydroxylated sesquiterpenoids by a maize terpene synthase. <i>Plant Journal</i> , 2018, 94, 847-856.	5.7	27
18	ZmMYC2 exhibits diverse functions and enhances JA signaling in transgenic <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2020, 39, 273-288.	5.6	23

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19	Rice contains a biosynthetic gene cluster associated with production of the casbane-type diterpenoid phytoalexin <i>ent</i> - <i>10</i> - <i>oxodepressin</i> . <i>New Phytologist</i> , 2021, 231, 85-93.	7.3	21
20	Functional characterization of ZmTPS7 reveals a maize $\beta$ -cadinol synthase involved in stress response. <i>Planta</i> , 2016, 244, 1065-1074.	3.2	17
21	CYP71Z18 overexpression confers elevated blast resistance in transgenic rice. <i>Plant Molecular Biology</i> , 2019, 100, 579-589.	3.9	16
22	CYP701A26 is characterized as an ent-kaurene oxidase with putative involvement in maize gibberellin biosynthesis. <i>Biotechnology Letters</i> , 2017, 39, 1709-1716.	2.2	10
23	A Wheat $\beta$ -Patchoulene Synthase Confers Resistance against Herbivory in Transgenic Arabidopsis. <i>Genes</i> , 2019, 10, 441.	2.4	5
24	Probing Enzymatic Structure and Function in the Dihydroxylating Sesquiterpene Synthase ZmEDS. <i>Biochemistry</i> , 2020, 59, 2660-2666.	2.5	5
25	Promoter Variation Results in Differential Phytoalexin Accumulation in Two Maize Inbred Lines. <i>Plant Molecular Biology Reporter</i> , 2020, 38, 165-174.	1.8	3
26	Direct formation of the sesquiterpenoid ether liguloxide by a terpene synthase in <i>Senecio scandens</i> . <i>Plant Molecular Biology</i> , 2021, 105, 55-64.	3.9	2
27	Deceptive Complexity in Formation of Cleistantha-8,12-diene. <i>Organic Letters</i> , 2022, 24, 2646-2649.	4.6	2