

# Qun Zhang

## List of Publications by Year in descending order

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29  
papers

1,462  
citations

516215

16  
h-index

476904

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1529  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging roles of phosphoinositide-associated membrane trafficking in plant stress responses. <i>Journal of Genetics and Genomics</i> , 2022, 49, 726-734.	1.7	4
2	Molecular cloning and functional characterization of GmAAPTs from soybean ( <i>Glycine max</i> ). <i>Plant Signaling and Behavior</i> , 2021, 16, 1845048.	1.2	1
3	A GPAT1 Mutation in <i>Arabidopsis</i> Enhances Plant Height but Impairs Seed Oil Biosynthesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 785.	1.8	9
4	Phospholipase D $\beta$ regulates pollen tube growth by modulating actin cytoskeleton organization in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2021, 16, 1915610.	1.2	3
5	Rice shaker potassium channel <i>OsAKT2</i> positively regulates salt tolerance and grain yield by mediating K <sup>+</sup> redistribution. <i>Plant, Cell and Environment</i> , 2021, 44, 2951-2965.	2.8	41
6	Seed specifically over-expressing DGAT2A enhances oil and linoleic acid contents in soybean seeds. <i>Biochemical and Biophysical Research Communications</i> , 2021, 568, 143-150.	1.0	14
7	Functional analysis of indole 3-hexanoic acid as a novel auxin from <i>Arabidopsis thaliana</i> . <i>Planta</i> , 2021, 254, 69.	1.6	2
8	HSP70-3 Interacts with Phospholipase D $\beta$ and Participates in Heat Stress Defense. <i>Plant Physiology</i> , 2021, 185, 1148-1165.	2.3	27
9	Overexpression of soybean GmPLD $\beta$ enhances seed oil content and modulates fatty acid composition in transgenic <i>Arabidopsis</i> . <i>Plant Science</i> , 2020, 290, 110298.	1.7	14
10	Involvement of <i>Arabidopsis</i> phospholipase D $\beta$ in regulation of ROS-mediated microtubule organization and stomatal movement upon heat shock. <i>Journal of Experimental Botany</i> , 2020, 71, 6555-6570.	2.4	29
11	Phosphatidic acid directly binds with rice potassium channel <i>OsAKT2</i> to inhibit its activity. <i>Plant Journal</i> , 2020, 102, 649-665.	2.8	30
12	Transcriptional regulation of <i>Arabidopsis</i> copper amine oxidase $\beta$ ( <i>CuAO<math>\beta</math></i> ) in indole-3-butyric acid-induced lateral root development. <i>Plant Growth Regulation</i> , 2019, 89, 287-297.	1.8	5
13	Phosphatidic Acid Directly Regulates PINOID-Dependent Phosphorylation and Activation of the PIN-FORMED2 Auxin Efflux Transporter in Response to Salt Stress. <i>Plant Cell</i> , 2019, 31, 250-271.	3.1	97
14	Regulation of stomatal movement by cortical microtubule organization in response to darkness and ABA signaling in <i>Arabidopsis</i> . <i>Plant Growth Regulation</i> , 2018, 84, 467-479.	1.8	32
15	Peroxisomal <i>CuAO<math>\beta</math></i> and its product H <sub>2</sub> O <sub>2</sub> regulate the distribution of auxin and IBA-dependent lateral root development in <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2017, 68, 4851-4867.	2.4	33
16	Phospholipase D $\beta$ negatively regulates plant thermotolerance by destabilizing cortical microtubules in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2017, 40, 2220-2235.	2.8	45
17	Functional regulation of plant NADPH oxidase and its role in signaling. <i>Plant Signaling and Behavior</i> , 2017, 12, e1356970.	1.2	43
18	<i>Arabidopsis</i> phospholipase D $\alpha$ 1-derived phosphatidic acid regulates microtubule organization and cell development under microtubule-interacting drugs treatment. <i>Journal of Plant Research</i> , 2017, 130, 193-202.	1.2	18

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19	Phosphatidic acid binds to and regulates guanine nucleotide exchange factor 8 (GEF8) activity in <i>Arabidopsis</i> . <i>Functional Plant Biology</i> , 2017, 44, 1029.	1.1	7
20	<i>Arabidopsis thaliana</i> constitutively active ROP11 interacts with the NADPH oxidase respiratory burst oxidase homologue F to regulate reactive oxygen species production in root hairs. <i>Functional Plant Biology</i> , 2016, 43, 221.	1.1	14
21	Regulation of developmental and environmental signaling by interaction between microtubules and membranes in plant cells. <i>Protein and Cell</i> , 2016, 7, 81-88.	4.8	16
22	Cyclic nucleotide gated channel 10 negatively regulates salt tolerance by mediating Na <sup>+</sup> transport in <i>Arabidopsis</i> . <i>Journal of Plant Research</i> , 2015, 128, 211-220.	1.2	70
23	Phospholipids. <i>Plant Signaling and Behavior</i> , 2014, 9, e28337.	1.2	18
24	Phosphatidic acid integrates calcium signaling and microtubule dynamics into regulating ABA-induced stomatal closure in <i>Arabidopsis</i> . <i>Planta</i> , 2014, 239, 565-575.	1.6	73
25	Copper amine oxidase and phospholipase D act independently in abscisic acid (ABA)-induced stomatal closure in <i>Vicia faba</i> and <i>Arabidopsis</i> . <i>Journal of Plant Research</i> , 2014, 127, 533-544.	1.2	31
26	Phospholipase Ds in Plant Response to Hyperosmotic Stresses. <i>Signaling and Communication in Plants</i> , 2014, , 121-134.	0.5	3
27	Phosphatidic Acid Regulates Microtubule Organization by Interacting with MAP65-1 in Response to Salt Stress in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 4555-4576.	3.1	219
28	Genomic analysis of phospholipase D family and characterization of GmPLD±s in soybean ( <i>Glycine max</i> ). <i>Journal of Plant Research</i> , 2012, 125, 569-578.	1.2	47
29	Phospholipase D±1 and Phosphatidic Acid Regulate NADPH Oxidase Activity and Production of Reactive Oxygen Species in ABA-Mediated Stomatal Closure in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2009, 21, 2357-2377.	3.1	517