

Xiaoxiao Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

2,295
citations

516710

16
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

2310
citing authors

#	ARTICLE	IF	CITATIONS
1	NAD ⁺ cleavage activity by animal and plant TIR domains in cell death pathways. <i>Science</i> , 2019, 365, 793-799.	12.6	357
2	Structural and Functional Analysis of a Plant Resistance Protein TIR Domain Reveals Interfaces for Self-Association, Signaling, and Autoregulation. <i>Cell Host and Microbe</i> , 2011, 9, 200-211.	11.0	301
3	Structural Basis for Assembly and Function of a Heterodimeric Plant Immune Receptor. <i>Science</i> , 2014, 344, 299-303.	12.6	300
4	Direct pathogen-induced assembly of an NLR immune receptor complex to form a holoenzyme. <i>Science</i> , 2020, 370, .	12.6	291
5	Loss of <i>AvrSr50</i> by somatic exchange in stem rust leads to virulence for <i>Sr50</i> resistance in wheat. <i>Science</i> , 2017, 358, 1607-1610.	12.6	206
6	Comparative Analysis of the Flax Immune Receptors L6 and L7 Suggests an Equilibrium-Based Switch Activation Model. <i>Plant Cell</i> , 2016, 28, 146-159.	6.6	110
7	What Do We Know About NOD-Like Receptors in Plant Immunity?. <i>Annual Review of Phytopathology</i> , 2017, 55, 205-229.	7.8	106
8	Multiple functional self-association interfaces in plant TIR domains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2046-E2052.	7.1	103
9	Structural and biochemical mechanisms of NLRP1 inhibition by DPP9. <i>Nature</i> , 2021, 592, 773-777.	27.8	94
10	HflX is a ribosome-splitting factor rescuing stalled ribosomes under stress conditions. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 906-913.	8.2	88
11	Induced proximity of a TIR signaling domain on a plant-mammalian NLR chimera activates defense in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18832-18839.	7.1	82
12	Structural basis for receptor recognition of pollen tube attraction peptides. <i>Nature Communications</i> , 2017, 8, 1331.	12.8	55
13	Discovery of a Family of Mixed Lineage Kinase Domain-like Proteins in Plants and Their Role in Innate Immune Signaling. <i>Cell Host and Microbe</i> , 2020, 28, 813-824.e6.	11.0	50
14	Structural insights into the function of a unique tandem GTPase EngA in bacterial ribosome assembly. <i>Nucleic Acids Research</i> , 2014, 42, 13430-13439.	14.5	38
15	Production of small cysteine-rich effector proteins in <i>Escherichia coli</i> for structural and functional studies. <i>Molecular Plant Pathology</i> , 2017, 18, 141-151.	4.2	32
16	Crystal structure of the <i>Melampsora lini</i> effector AvrP reveals insights into a possible nuclear function and recognition by the flax disease resistance protein P. <i>Molecular Plant Pathology</i> , 2018, 19, 1196-1209.	4.2	24
17	Direct recognition of pathogen effectors by plant NLR immune receptors and downstream signalling. <i>Essays in Biochemistry</i> , 2022, 66, 471-483.	4.7	21
18	CLE42 binding induces PXL2 interaction with SERK2. <i>Protein and Cell</i> , 2017, 8, 612-617.	11.0	15

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19	Crystallization and preliminary X-ray diffraction analyses of the TIR domains of three TIRâ€“NBâ€“LRR proteins that are involved in disease resistance in <i>Arabidopsis thaliana</i> . Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 1275-1280.	0.7	5
20	A Combinatorial Yeast Overlay Method for the Isolation of Antibacterial Oligopeptides. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2014, 84, 1069-1075.	1.0	2
21	Crystallization and preliminary X-ray diffraction analysis of the flax cytokinin oxidase LuCKX1.1. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 1094-1096.	0.7	2
22	Isolation of novel sequences targeting highly variable viral protein hemagglutinin. MethodsX, 2015, 2, 64-71.	1.6	1