Xiaoxiao Zhang

List of Publications by Year
in descending order

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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	Direct recognition of pathogen effectors by plant NLR immune receptors and downstream signalling. Essays in Biochemistry, 2022, 66, 471-483.	4.7	21
2	Structural and biochemical mechanisms of NLRP1 inhibition by DPP9. Nature, 2021, 592, 773-777.	27.8	94
3	Discovery of a Family of Mixed Lineage Kinase Domain-like Proteins in Plants and Their Role in Innate Immune Signaling. Cell Host and Microbe, 2020, 28, 813-824.e6.	11.0	50
4	Direct pathogen-induced assembly of an NLR immune receptor complex to form a holoenzyme. Science, 2020, 370, .	12.6	291
5	Induced proximity of a TIR signaling domain on a plant-mammalian NLR chimera activates defense in plants. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18832-18839.	7.1	82
6	NAD ⁺ cleavage activity by animal and plant TIR domains in cell death pathways. Science, 2019, 365, 793-799.	12.6	357
7	Crystal structure of the Melampsora lini effector AvrP reveals insights into a possible nuclear function and recognition by the flax disease resistance protein P. Molecular Plant Pathology, 2018, 19, 1196-1209.	4.2	24
8	Production of small cysteineâ€rich effector proteins in Escherichia coli for structural and functional studies. Molecular Plant Pathology, 2017, 18, 141-151.	4.2	32
9	Multiple functional self-association interfaces in plant TIR domains. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2046-E2052.	7.1	103
10	What Do We Know About NOD-Like Receptors in Plant Immunity?. Annual Review of Phytopathology, 2017, 55, 205-229.	7.8	106
11	CLE42 binding induces PXL2 interaction with SERK2. Protein and Cell, 2017, 8, 612-617.	11.0	15
12	Structural basis for receptor recognition of pollen tube attraction peptides. Nature Communications, 2017, 8, 1331.	12.8	55
13	Loss of AvrSr50 by somatic exchange in stem rust leads to virulence for Sr50 resistance in wheat. Science, 2017, 358, 1607-1610.	12.6	206
14	Comparative Analysis of the Flax Immune Receptors L6 and L7 Suggests an Equilibrium-Based Switch Activation Model. Plant Cell, 2016, 28, 146-159.	6.6	110
15	Isolation of novel sequences targeting highly variable viral protein hemagglutinin. MethodsX, 2015, 2, 64-71.	1.6	1
16	HflX is a ribosome-splitting factor rescuing stalled ribosomes under stress conditions. Nature Structural and Molecular Biology, 2015, 22, 906-913.	8.2	88
17	Structural insights into the function of a unique tandem GTPase EngA in bacterial ribosome assembly. Nucleic Acids Research, 2014, 42, 13430-13439.	14.5	38
18	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

#	Article	IF	Citations
19	Structural Basis for Assembly and Function of a Heterodimeric Plant Immune Receptor. Science, 2014, 344, 299-303.	12.6	300
20	Crystallization and preliminary X-ray diffraction analyses of the TIR domains of three TIRâ€“NBâ€“LRR proteins that are involved in disease resistance inArabidopsis thaliana. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 1275-1280.	0.7	5
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	Structural and Functional Analysis of a Plant Resistance Protein TIR Domain Reveals Interfaces for Self-Association, Signaling, and Autoregulation. Cell Host and Microbe, 2011, 9, 200-211.	11.0	301