Thomas Ve

List of Publications by Year
in descending order

Version: 2024-02-01

47 papers	2,852 citations	304602 22 h-index	214721 47 g-index
52 all docs	52 docs citations	52 times ranked	3391 citing authors

#	Article	IF	Citations
1	NAD ⁺ cleavage activity by animal and plant TIR domains in cell death pathways. Science, 2019, 365, 793-799.	6.0	357
2	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.	5.1	301
3	Structural Basis for Assembly and Function of a Heterodimeric Plant Immune Receptor. Science, 2014, 344, 299-303.	6.0	300
4	SARM1 is a metabolic sensor activated by an increased NMN/NAD+ ratio to trigger axon degeneration. Neuron, 2021, 109, 1118-1136.e11.	3.8	168
5	Megahertz serial crystallography. Nature Communications, 2018, 9, 4025.	5.8	147
6	Structural basis of TIR-domain-assembly formation in MAL- and MyD88-dependent TLR4 signaling. Nature Structural and Molecular Biology, 2017, 24, 743-751.	3.6	140
7	Structure and function of Toll/interleukin-1 receptor/resistance protein (TIR) domains. Apoptosis: an International Journal on Programmed Cell Death, 2015, 20, 250-261.	2.2	123
8	The AvrM Effector from Flax Rust Has a Structured C-Terminal Domain and Interacts Directly with the M Resistance Protein. Molecular Plant-Microbe Interactions, 2010, 23, 49-57.	1.4	113
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.	3.3	103
10	The molecular mechanisms of signaling by cooperative assembly formation in innate immunity pathways. Molecular Immunology, 2017, 86, 23-37.	1.0	95
11	Intramolecular Interaction Influences Binding of the Flax L5 and L6 Resistance Proteins to their AvrL567 Ligands. PLoS Pathogens, 2012, 8, e1003004.	2.1	93
12	Structures of the flax-rust effector AvrM reveal insights into the molecular basis of plant-cell entry and effector-triggered immunity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17594-17599.	3.3	75
13	Mechanism of Bacterial Interference with TLR4 Signaling by Brucella Toll/Interleukin-1 Receptor Domain-containing Protein TcpB. Journal of Biological Chemistry, 2014, 289, 654-668.	1.6	73
14	Adaptors in Toll-Like Receptor Signaling and their Potential as Therapeutic Targets. Current Drug Targets, 2012, 13, 1360-1374.	1.0	68
15	Structural basis of SARM1 activation, substrate recognition, and inhibition by small molecules. Molecular Cell, 2022, 82, 1643-1659.e10.	4.5	66
16	Towards the structure of the TIR-domain signalosome. Current Opinion in Structural Biology, 2017, 43, 122-130.	2.6	64
17	MyD88 TIR domain higher-order assembly interactions revealed by microcrystal electron diffraction and serial femtosecond crystallography. Nature Communications, 2021, 12, 2578.	5.8	55
18	An Oxidized Tryptophan Facilitates Copper Binding in Methylococcus capsulatus-secreted Protein MopE. Journal of Biological Chemistry, 2008, 283, 13897-13904.	1.6	45

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19	Death, TIR, and RHIM: Self-assembling domains involved in innate immunity and cell-death signaling. Journal of Leukocyte Biology, 2019, 105, 363-375.	1.5	43
20	Cryo-EM structures of the pore-forming A subunit from the Yersinia entomophaga ABC toxin. Nature Communications, 2019, 10, 1952.	5.8	40
21	The TLR signaling adaptor TRAM interacts with TRAF6 to mediate activation of the inflammatory response by TLR4. Journal of Leukocyte Biology, 2014, 96, 427-436.	1.5	38
22	Solution structure of the TLR adaptor MAL/TIRAP reveals an intact BB loop and supports MAL Cys91 glutathionylation for signaling. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6480-E6489.	3.3	33
23	Blood Group Antigen Recognition via the Group A Streptococcal M Protein Mediates Host Colonization. MBio, 2017, 8, .	1.8	25
24	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.	2.0	24
25	Nicotinic acid mononucleotide is an allosteric SARM1 inhibitor promoting axonal protection. Experimental Neurology, 2021, 345, 113842.	2.0	24
26	Fusion-protein-assisted protein crystallization. Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 861-869.	0.4	23
27	The Methylococcus capsulatus (Bath) Secreted Protein, MopE*, Binds Both Reduced and Oxidized Copper. PLoS ONE, 2012, 7, e43146.	1.1	22
28	Protein crystal screening and characterization for serial femtosecond nanocrystallography. Scientific Reports, 2016, 6, 25345.	1.6	22
29	Pathological mutations differentially affect the self-assembly and polymerisation of the innate immune system signalling adaptor molecule MyD88. BMC Biology, 2018, 16, 149.	1.7	22
30	Neurotoxin-mediated potent activation of the axon degeneration regulator SARM1. ELife, 2021, 10, .	2.8	22
31	CorA Is a Copper Repressible Surface-Associated Copper(I)-Binding Protein Produced in Methylomicrobium album BG8. PLoS ONE, 2014, 9, e87750.	1.1	18
32	Regulation of signaling by cooperative assembly formation in mammalian innate immunity signalosomes by molecular mimics. Seminars in Cell and Developmental Biology, 2020, 99, 96-114.	2.3	16
33	The TLR signalling adaptor TRIF/TICAM-1 has an N-terminal helical domain with structural similarity to IFIT proteins. Acta Crystallographica Section D: Biological Crystallography, 2013, 69, 2420-2430.	2.5	13
34	A Sulfonozanamivir Analogue Has Potent Antiâ€influenza Virus Activity. ChemMedChem, 2018, 13, 785-789.	1.6	12
35	Structural Insights into Human Parainfluenza Virus 3 Hemagglutininâ€“Neuraminidase Using Unsaturated 3-N-Substituted Sialic Acids as Probes. ACS Chemical Biology, 2018, 13, 1544-1550.	1.6	10
36	Ucl fimbriae regulation and glycan receptor specificity contribute to gut colonisation by extra-intestinal pathogenic Escherichia coli. PLoS Pathogens, 2022, 18, e1010582.	2.1	6

#	Article	IF	Citations
37	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
38	Crystal structure of the Toll/interleukinâ€1 receptor (TIR) domain of ILâ€1R10 provides structural insights into TIR domain signalling. FEBS Letters, 2022, 596, 886-897.	1.3	5
39	Crystallization and X-ray diffraction analysis of the C-terminal domain of the flax rust effector protein AvrM. Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 1603-1607.	0.7	4
40	Crystallization and X-ray diffraction analysis of the N-terminal domain of the Toll-like receptor signalling adaptor protein TRIF/TICAM-1. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 766-770.	0.7	4
41	Crystallization, X-ray diffraction analysis and preliminary structure determination of the TIR domain from the flax resistance protein L6. Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 237-240.	0.7	3
42	A linker strategy for the production and crystallization of Toll/interleukin-1 receptor/resistance protein domain complexes. Protein Engineering, Design and Selection, 2015, 28, 137-145.	1.0	3
43	Recombinant production of functional full-length and truncated human TRAM/TICAM-2 adaptor protein involved in Toll-like receptor and interferon signaling. Protein Expression and Purification, 2015, 106, 31-40.	0.6	3
44	Structural and biochemical characterization of Acinetobacter baumannii ZnuA. Journal of Inorganic Biochemistry, 2022, 231, 111787.	1.5	3
45	The Single Nucleotide Polymorphism Mal-D96N Mice Provide New Insights into Functionality of Mal in TLR Immune Responses. Journal of Immunology, 2019, 202, 2384-2396.	0.4	2
46	Crystal structure determination of the armadillo repeat domain of Drosophila SARM1 using MIRAS phasing. Acta Crystallographica Section F, Structural Biology Communications, 2021, 77, 364-373.	0.4	2
47	Cloning, expression, purification, crystallization and preliminary X-ray crystallographic analysis of the TIR domain from theBrucella melitensisTIR-domain-containing protein TcpB. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 1167-1170.	0.7	2