

# Thomas Ve

## List of Publications by Citations

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**Version:** 2024-04-26

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48  
papers

1,840  
citations

19  
h-index

42  
g-index

52  
ext. papers

2,428  
ext. citations

8.8  
avg, IF

4.51  
L-index

#	Paper	IF	Citations
48	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> , <b>2011</b> , 9, 200-211	23.4	243
47	Structural basis for assembly and function of a heterodimeric plant immune receptor. <i>Science</i> , <b>2014</b> , 344, 299-303	33.3	228
46	NAD cleavage activity by animal and plant TIR domains in cell death pathways. <i>Science</i> , <b>2019</b> , 365, 793-799	33.3	183
45	Megahertz serial crystallography. <i>Nature Communications</i> , <b>2018</b> , 9, 4025	17.4	104
44	The AvrM effector from flax rust has a structured C-terminal domain and interacts directly with the M resistance protein. <i>Molecular Plant-Microbe Interactions</i> , <b>2010</b> , 23, 49-57	3.6	97
43	Structure and function of Toll/interleukin-1 receptor/resistance protein (TIR) domains. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2015</b> , 20, 250-61	5.4	92
42	Structural basis of TIR-domain-assembly formation in MAL- and MyD88-dependent TLR4 signaling. <i>Nature Structural and Molecular Biology</i> , <b>2017</b> , 24, 743-751	17.6	82
41	Intramolecular interaction influences binding of the Flax L5 and L6 resistance proteins to their AvrL567 ligands. <i>PLoS Pathogens</i> , <b>2012</b> , 8, e1003004	7.6	76
40	Multiple functional self-association interfaces in plant TIR domains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E2046-E2052	11.5	72
39	The molecular mechanisms of signaling by cooperative assembly formation in innate immunity pathways. <i>Molecular Immunology</i> , <b>2017</b> , 86, 23-37	4.3	68
38	Adaptors in toll-like receptor signaling and their potential as therapeutic targets. <i>Current Drug Targets</i> , <b>2012</b> , 13, 1360-74	3	59
37	SARM1 is a metabolic sensor activated by an increased NMN/NAD ratio to trigger axon degeneration. <i>Neuron</i> , <b>2021</b> , 109, 1118-1136.e11	13.9	54
36	Structures of the flax-rust effector AvrM reveal insights into the molecular basis of plant-cell entry and effector-triggered immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 17594-9	11.5	50
35	Mechanism of bacterial interference with TLR4 signaling by Brucella Toll/interleukin-1 receptor domain-containing protein TcbB. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 654-68	5.4	47
34	Towards the structure of the TIR-domain signalosome. <i>Current Opinion in Structural Biology</i> , <b>2017</b> , 43, 122-130	8.1	42
33	An oxidized tryptophan facilitates copper binding in <i>Methylococcus capsulatus</i> -secreted protein MopE. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 13897-904	5.4	35
32	Solution structure of the TLR adaptor MAL/TIRAP reveals an intact BB loop and supports MAL Cys91 glutathionylation for signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E6480-E6489	11.5	28

31	Death, TIR, and RHIM: Self-assembling domains involved in innate immunity and cell-death signaling. <i>Journal of Leukocyte Biology</i> , <b>2019</b> , 105, 363-375	6.5	26
30	The TLR signaling adaptor TRAM interacts with TRAF6 to mediate activation of the inflammatory response by TLR4. <i>Journal of Leukocyte Biology</i> , <b>2014</b> , 96, 427-36	6.5	25
29	Fusion-protein-assisted protein crystallization. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , <b>2015</b> , 71, 861-9	1.1	19
28	Blood Group Antigen Recognition via the Group A Streptococcal M Protein Mediates Host Colonization. <i>MBio</i> , <b>2017</b> , 8,	7.8	18
27	Cryo-EM structures of the pore-forming A subunit from the Yersinia entomophaga ABC toxin. <i>Nature Communications</i> , <b>2019</b> , 10, 1952	17.4	18
26	The <i>Methylococcus capsulatus</i> (Bath) secreted protein, MopE*, binds both reduced and oxidized copper. <i>PLoS ONE</i> , <b>2012</b> , 7, e43146	3.7	18
25	Protein crystal screening and characterization for serial femtosecond nanocrystallography. <i>Scientific Reports</i> , <b>2016</b> , 6, 25345	4.9	17
24	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> , <b>2018</b> , 19, 1196-1209	5.7	14
23	Pathological mutations differentially affect the self-assembly and polymerisation of the innate immune system signalling adaptor molecule MyD88. <i>BMC Biology</i> , <b>2018</b> , 16, 149	7.3	14
22	CorA is a copper repressible surface-associated copper(I)-binding protein produced in <i>Methylobacterium album</i> BG8. <i>PLoS ONE</i> , <b>2014</b> , 9, e87750	3.7	11
21	The TLR signalling adaptor TRIF/TICAM-1 has an N-terminal helical domain with structural similarity to IFIT proteins. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2013</b> , 69, 2420-30		11
20	MyD88 TIR domain higher-order assembly interactions revealed by microcrystal electron diffraction and serial femtosecond crystallography. <i>Nature Communications</i> , <b>2021</b> , 12, 2578	17.4	11
19	Regulation of signaling by cooperative assembly formation in mammalian innate immunity signalosomes by molecular mimics. <i>Seminars in Cell and Developmental Biology</i> , <b>2020</b> , 99, 96-114	7.5	10
18	A Sulfonylanamivir Analogue Has Potent Anti-influenza Virus Activity. <i>ChemMedChem</i> , <b>2018</b> , 13, 785-789	7	8
17	Potent activation of SARM1 by NMN analogue VMN underlies vacor neurotoxicity		8
16	Structural Insights into Human Parainfluenza Virus 3 Hemagglutinin-Neuraminidase Using Unsaturated 3- N-Substituted Sialic Acids as Probes. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 1544-1550	4.9	7
15	Neurotoxin-mediated --potent activation of the axon degeneration regulator SARM1. <i>ELife</i> , <b>2021</b> , 10,	8.9	6
14	Nicotinic acid mononucleotide is an allosteric SARM1 inhibitor promoting axonal protection. <i>Experimental Neurology</i> , <b>2021</b> , 345, 113842	5.7	6

13	Crystallization and preliminary X-ray diffraction analyses of the TIR domains of three TIR-NB-LRR proteins that are involved in disease resistance in <i>Arabidopsis thaliana</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2013</b> , 69, 1275-80		5
12	Crystallization and X-ray diffraction analysis of the N-terminal domain of the Toll-like receptor signalling adaptor protein TRIF/TICAM-1. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2013</b> , 69, 766-70		4
11	Crystallization and X-ray diffraction analysis of the C-terminal domain of the flax rust effector protein AvrM. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2011</b> , 67, 1603-7		4
10	Recombinant production of functional full-length and truncated human TRAM/TICAM-2 adaptor protein involved in Toll-like receptor and interferon signaling. <i>Protein Expression and Purification</i> , <b>2015</b> , 106, 31-40	2	3
9	A linker strategy for the production and crystallization of Toll/interleukin-1 receptor/resistance protein domain complexes. <i>Protein Engineering, Design and Selection</i> , <b>2015</b> , 28, 137-45	1.9	3
8	Crystallization, X-ray diffraction analysis and preliminary structure determination of the TIR domain from the flax resistance protein L6. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2011</b> , 67, 237-40		3
7	Crystal structure determination of the armadillo repeat domain of <i>Drosophila</i> SARM1 using MIRAS phasing. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , <b>2021</b> , 77, 364-373	1.1	2
6	Crystal structure of the Toll/interleukin-1 receptor (TIR) domain of IL-1R10 provides structural insights into TIR domain signaling.. <i>FEBS Letters</i> , <b>2022</b> ,	3.8	1
5	Cloning, expression, purification, crystallization and preliminary X-ray crystallographic analysis of the TIR domain from the <i>Brucella melitensis</i> TIR-domain-containing protein TcpB. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2013</b> , 69, 1167-70		1
4	Nicotinic acid mononucleotide is an allosteric SARM1 inhibitor promoting axonal protection		1
3	The Single Nucleotide Polymorphism Mal-D96N Mice Provide New Insights into Functionality of Mal in TLR Immune Responses. <i>Journal of Immunology</i> , <b>2019</b> , 202, 2384-2396	5.3	1
2	Crystal structure determination of the armadillo repeat domain of <i>Drosophila</i> SARM1 using MIRAS phasing		1
1	Structural and biochemical characterization of <i>Acinetobacter baumannii</i> ZnuA.. <i>Journal of Inorganic Biochemistry</i> , <b>2022</b> , 231, 111787	4.2	0