

# Thomas Ve

## List of Publications by Year in descending order

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47  
papers

2,852  
citations

304743

22  
h-index

214800

47  
g-index

52  
all docs

52  
docs citations

52  
times ranked

3391  
citing authors

#	ARTICLE	IF	CITATIONS
1	NAD <sup>+</sup> 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	SARM1 is a metabolic sensor activated by an increased NMN/NAD <sup>+</sup> ratio to trigger axon degeneration. <i>Neuron</i> , 2021, 109, 1118-1136.e11.	8.1	168
5	Megahertz serial crystallography. <i>Nature Communications</i> , 2018, 9, 4025.	12.8	147
6	Structural basis of TIR-domain-assembly formation in MAL- and MyD88-dependent TLR4 signaling. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 743-751.	8.2	140
7	Structure and function of Toll/interleukin-1 receptor/resistance protein (TIR) domains. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015, 20, 250-261.	4.9	123
8	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> , 2010, 23, 49-57.	2.6	113
9	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
10	The molecular mechanisms of signaling by cooperative assembly formation in innate immunity pathways. <i>Molecular Immunology</i> , 2017, 86, 23-37.	2.2	95
11	Intramolecular Interaction Influences Binding of the Flax L5 and L6 Resistance Proteins to their AvrL567 Ligands. <i>PLoS Pathogens</i> , 2012, 8, e1003004.	4.7	93
12	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> , 2013, 110, 17594-17599.	7.1	75
13	Mechanism of Bacterial Interference with TLR4 Signaling by Brucella Toll/Interleukin-1 Receptor Domain-containing Protein TcpB. <i>Journal of Biological Chemistry</i> , 2014, 289, 654-668.	3.4	73
14	Adaptors in Toll-Like Receptor Signaling and their Potential as Therapeutic Targets. <i>Current Drug Targets</i> , 2012, 13, 1360-1374.	2.1	68
15	Structural basis of SARM1 activation, substrate recognition, and inhibition by small molecules. <i>Molecular Cell</i> , 2022, 82, 1643-1659.e10.	9.7	66
16	Towards the structure of the TIR-domain signalosome. <i>Current Opinion in Structural Biology</i> , 2017, 43, 122-130.	5.7	64
17	MyD88 TIR domain higher-order assembly interactions revealed by microcrystal electron diffraction and serial femtosecond crystallography. <i>Nature Communications</i> , 2021, 12, 2578.	12.8	55
18	An Oxidized Tryptophan Facilitates Copper Binding in <i>Methylococcus capsulatus</i> -secreted Protein MopE. <i>Journal of Biological Chemistry</i> , 2008, 283, 13897-13904.	3.4	45

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19	Death, TIR, and RHIM: Self-assembling domains involved in innate immunity and cell-death signaling. <i>Journal of Leukocyte Biology</i> , 2019, 105, 363-375.	3.3	43
20	Cryo-EM structures of the pore-forming A subunit from the <i>Yersinia entomophaga</i> ABC toxin. <i>Nature Communications</i> , 2019, 10, 1952.	12.8	40
21	The TLR signaling adaptor TRAM interacts with TRAF6 to mediate activation of the inflammatory response by TLR4. <i>Journal of Leukocyte Biology</i> , 2014, 96, 427-436.	3.3	38
22	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> , 2017, 114, E6480-E6489.	7.1	33
23	Blood Group Antigen Recognition via the Group A Streptococcal M Protein Mediates Host Colonization. <i>MBio</i> , 2017, 8, .	4.1	25
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> , 2018, 19, 1196-1209.	4.2	24
25	Nicotinic acid mononucleotide is an allosteric SARM1 inhibitor promoting axonal protection. <i>Experimental Neurology</i> , 2021, 345, 113842.	4.1	24
26	Fusion-protein-assisted protein crystallization. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 861-869.	0.8	23
27	The <i>Methylococcus capsulatus</i> (Bath) Secreted Protein, MopE*, Binds Both Reduced and Oxidized Copper. <i>PLoS ONE</i> , 2012, 7, e43146.	2.5	22
28	Protein crystal screening and characterization for serial femtosecond nanocrystallography. <i>Scientific Reports</i> , 2016, 6, 25345.	3.3	22
29	Pathological mutations differentially affect the self-assembly and polymerisation of the innate immune system signalling adaptor molecule MyD88. <i>BMC Biology</i> , 2018, 16, 149.	3.8	22
30	Neurotoxin-mediated potent activation of the axon degeneration regulator SARM1. <i>ELife</i> , 2021, 10, .	6.0	22
31	CorA Is a Copper Repressible Surface-Associated Copper(I)-Binding Protein Produced in <i>Methylomicrobium album</i> BG8. <i>PLoS ONE</i> , 2014, 9, e87750.	2.5	18
32	Regulation of signaling by cooperative assembly formation in mammalian innate immunity signalosomes by molecular mimics. <i>Seminars in Cell and Developmental Biology</i> , 2020, 99, 96-114.	5.0	16
33	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> , 2013, 69, 2420-2430.	2.5	13
34	A Sulfonylanamivir Analogue Has Potent Anti- $\epsilon$ influenza Virus Activity. <i>ChemMedChem</i> , 2018, 13, 785-789.	3.2	12
35	Structural Insights into Human Parainfluenza Virus 3 Hemagglutinin's Neuraminidase Using Unsaturated 3-N-Substituted Sialic Acids as Probes. <i>ACS Chemical Biology</i> , 2018, 13, 1544-1550.	3.4	10
36	Ucl fimbriae regulation and glycan receptor specificity contribute to gut colonisation by extra-intestinal pathogenic <i>Escherichia coli</i> . <i>PLoS Pathogens</i> , 2022, 18, e1010582.	4.7	6

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37	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> . Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 1275-1280.	0.7	5
38	Crystal structure of the Toll/interleukin-1 receptor (TIR) domain of IL-1R10 provides structural insights into TIR domain signalling. FEBS Letters, 2022, 596, 886-897.	2.8	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.	2.1	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.	1.3	3
44	Structural and biochemical characterization of <i>Acinetobacter baumannii</i> ZnuA. Journal of Inorganic Biochemistry, 2022, 231, 111787.	3.5	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.	0.8	2
46	Crystal structure determination of the armadillo repeat domain of <i>Drosophila</i> SARM1 using MIRAS phasing. Acta Crystallographica Section F, Structural Biology Communications, 2021, 77, 364-373.	0.8	2
47	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. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 1167-1170.	0.7	2