Thomas Ve

List of Publications by Year in Descending Order

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	Crystal structure of the Toll/interleukin-1 receptor (TIR) domain of IL-1R10 provides structural insights into TIR domain signaling.. *FEBS Letters*, **2022**,	3.8	1
47	Structural and biochemical characterization of Acinetobacter baumannii ZnuA.. *Journal of Inorganic Biochemistry*, **2022**, 231, 111787	4.2	0
46	Neurotoxin-mediated --potent activation of the axon degeneration regulator SARM1. *ELife*, **2021**, 10,	8.9	6
45	SARM1 is a metabolic sensor activated by an increased NMN/NAD ratio to trigger axon degeneration. *Neuron*, **2021**, 109, 1118-1136.e11	13.9	54
44	MyD88 TIR domain higher-order assembly interactions revealed by microcrystal electron diffraction and serial femtosecond crystallography. *Nature Communications*, **2021**, 12, 2578	17.4	11
43	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	1.1	2
42	Nicotinic acid mononucleotide is an allosteric SARM1 inhibitor promoting axonal protection. *Experimental Neurology*, **2021**, 345, 113842	5.7	6
41	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	7.5	10
40	NAD cleavage activity by animal and plant TIR domains in cell death pathways. *Science*, **2019**, 365, 793-799	33.3	183
39	Cryo-EM structures of the pore-forming A subunit from the Yersinia entomophaga ABC toxin. *Nature Communications*, **2019**, 10, 1952	17.4	18
38	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	5.3	1
37	Death, TIR, and RHIM: Self-assembling domains involved in innate immunity and cell-death signaling. *Journal of Leukocyte Biology*, **2019**, 105, 363-375	6.5	26
36	A Sulfonozanamivir Analogue Has Potent Anti-influenza Virus Activity. *ChemMedChem*, **2018**, 13, 785-789	3.7	8
35	Structural Insights into Human Parainfluenza Virus 3 Hemagglutinin-Neuraminidase Using Unsaturated 3- N-Substituted Sialic Acids as Probes. *ACS Chemical Biology*, **2018**, 13, 1544-1550	4.9	7
34	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	5.7	14
33	Pathological mutations differentially affect the self-assembly and polymerisation of the innate immune system signalling adaptor molecule MyD88. *BMC Biology*, **2018**, 16, 149	7.3	14
32	Megahertz serial crystallography. *Nature Communications*, **2018**, 9, 4025	17.4	104

31	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	11.5	72
30	Towards the structure of the TIR-domain signalosome. *Current Opinion in Structural Biology*, **2017**, 43, 122-130	8.1	42
29	The molecular mechanisms of signaling by cooperative assembly formation in innate immunity pathways. *Molecular Immunology*, **2017**, 86, 23-37	4.3	68
28	Blood Group Antigen Recognition via the Group A Streptococcal M Protein Mediates Host Colonization. *MBio*, **2017**, 8,	7.8	18
27	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	11.5	28
26	Structural basis of TIR-domain-assembly formation in MAL- and MyD88-dependent TLR4 signaling. *Nature Structural and Molecular Biology*, **2017**, 24, 743-751	17.6	82
25	Protein crystal screening and characterization for serial femtosecond nanocrystallography. *Scientific Reports*, **2016**, 6, 25345	4.9	17
24	Fusion-protein-assisted protein crystallization. *Acta Crystallographica Section F, Structural Biology Communications*, **2015**, 71, 861-9	1.1	19
23	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	2	3
22	A linker strategy for the production and crystallization of Toll/interleukin-1 receptor/resistance protein domain complexes. *Protein Engineering, Design and Selection*, **2015**, 28, 137-45	1.9	3
21	Structure and function of Toll/interleukin-1 receptor/resistance protein (TIR) domains. *Apoptosis: an International Journal on Programmed Cell Death*, **2015**, 20, 250-61	5.4	92
20	Structural basis for assembly and function of a heterodimeric plant immune receptor. *Science*, **2014** , 344, 299-303	33.3	228
19	Mechanism of bacterial interference with TLR4 signaling by Brucella Toll/interleukin-1 receptor domain-containing protein TcpB. *Journal of Biological Chemistry*, **2014**, 289, 654-68	5.4	47
18	The TLR signaling adaptor TRAM interacts with TRAF6 to mediate activation of the inflammatory response by TLR4. *Journal of Leukocyte Biology*, **2014**, 96, 427-36	6.5	25
17	CorA is a copper repressible surface-associated copper(I)-binding protein produced in Methylomicrobium album BG8. *PLoS ONE*, **2014**, 9, e87750	3.7	11
16	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, 766-70		4
15	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, 2420-30		11
14	Crystallization and preliminary X-ray diffraction analyses of the TIR domains of three TIR-NB-LRR proteins that are involved in disease resistance in Arabidopsis thaliana. *Acta Crystallographica Section F: Structural Biology Communications*, **2013**, 69, 1275-80		5

13	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, 17594-9	11.5	50
12	Cloning, expression, purification, crystallization and preliminary X-ray crystallographic analysis of the TIR domain from the Brucella melitensis TIR-domain-containing protein TcpB. *Acta Crystallographica Section F: Structural Biology Communications*, **2013**, 69, 1167-70		1
11	The Methylococcus capsulatus (Bath) secreted protein, MopE*, binds both reduced and oxidized copper. *PLoS ONE*, **2012**, 7, e43146	3.7	18
10	Intramolecular interaction influences binding of the Flax L5 and L6 resistance proteins to their AvrL567 ligands. *PLoS Pathogens*, **2012**, 8, e1003004	7.6	76
9	Adaptors in toll-like receptor signaling and their potential as therapeutic targets. *Current Drug Targets*, **2012**, 13, 1360-74	3	59
8	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	23.4	243
7	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, 237-40		3
6	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, 1603-7		4
5	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	3.6	97
4	An oxidized tryptophan facilitates copper binding in Methylococcus capsulatus-secreted protein MopE. *Journal of Biological Chemistry*, **2008**, 283, 13897-904	5.4	35
3	Potent activation of SARM1 by NMN analogue VMN underlies vacor neurotoxicity		8
2	Nicotinic acid mononucleotide is an allosteric SARM1 inhibitor promoting axonal protection		1
1	Crystal structure determination of the armadillo repeat domain of Drosophila SARM1 using MIRAS phasing		1