

# Volker Briken

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

4,569  
citations

109321

35  
h-index

144013

57  
g-index

69  
all docs

69  
docs citations

69  
times ranked

5229  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mycobacterial lipoarabinomannan and related lipoglycans: from biogenesis to modulation of the immune response. <i>Molecular Microbiology</i> , 2004, 53, 391-403.	2.5	385
2	Acyclic cucurbit[n]uril molecular containers enhance the solubility and bioactivity of poorly soluble pharmaceuticals. <i>Nature Chemistry</i> , 2012, 4, 503-510.	13.6	372
3	<i>Mycobacterium tuberculosis</i> nuoG Is a Virulence Gene That Inhibits Apoptosis of Infected Host Cells. <i>PLoS Pathogens</i> , 2007, 3, e110.	4.7	267
4	Toxicology and Drug Delivery by Cucurbit[n]uril Type Molecular Containers. <i>PLoS ONE</i> , 2010, 5, e10514.	2.5	224
5	The Cell Wall Lipid PDIM Contributes to Phagosomal Escape and Host Cell Exit of <i>Mycobacterium tuberculosis</i> . <i>MBio</i> , 2017, 8, .	4.1	185
6	<i>Mycobacterium tuberculosis</i> pks12 Produces a Novel Polyketide Presented by CD1c to T Cells. <i>Journal of Experimental Medicine</i> , 2004, 200, 1559-1569.	8.5	166
7	Metal-Organic Polyhedron Capped with Cucurbit[8]uril Delivers Doxorubicin to Cancer Cells. <i>Journal of the American Chemical Society</i> , 2016, 138, 14488-14496.	13.7	164
8	The Type I NADH Dehydrogenase of <i>Mycobacterium tuberculosis</i> Counters Phagosomal NOX2 Activity to Inhibit TNF- $\alpha$ -Mediated Host Cell Apoptosis. <i>PLoS Pathogens</i> , 2010, 6, e1000864.	4.7	156
9	Cucurbit[7]uril Enables Multi-Stimuli-Responsive Release from the Self-Assembled Hydrophobic Phase of a Metal Organic Polyhedron. <i>Journal of the American Chemical Society</i> , 2017, 139, 9066-9074.	13.7	156
10	<i>Mycobacterium tuberculosis</i> Inhibits Neutrophil Apoptosis, Leading to Delayed Activation of Naive CD4 T Cells. <i>Cell Host and Microbe</i> , 2012, 11, 81-90.	11.0	154
11	Cucurbit[7]uril Containers for Targeted Delivery of Oxaliplatin to Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12033-12037.	13.8	149
12	Lipid length controls antigen entry into endosomal and nonendosomal pathways for CD1b presentation. <i>Nature Immunology</i> , 2002, 3, 435-442.	14.5	146
13	<i>Mycobacterium tuberculosis</i> Lipomannan Induces Apoptosis and Interleukin-12 Production in Macrophages. <i>Infection and Immunity</i> , 2004, 72, 2067-2074.	2.2	140
14	Dynamics of Major Histocompatibility Complex Class II Compartments during B Cell Receptor-mediated Cell Activation. <i>Journal of Experimental Medicine</i> , 2002, 195, 461-472.	8.5	126
15	Living on the edge: inhibition of host cell apoptosis by <i>Mycobacterium tuberculosis</i> . <i>Future Microbiology</i> , 2008, 3, 415-422.	2.0	104
16	Cutting Edge: <i>Mycobacterium tuberculosis</i> but Not Nonvirulent Mycobacteria Inhibits IFN- $\gamma$ and AIM2 Inflammasome-Dependent IL-1 $\beta$ Production via Its ESX-1 Secretion System. <i>Journal of Immunology</i> , 2013, 191, 3514-3518.	0.8	102
17	Human Cd1b and Cd1c Isoforms Survey Different Intracellular Compartments for the Presentation of Microbial Lipid Antigens. <i>Journal of Experimental Medicine</i> , 2000, 192, 281-288.	8.5	90
18	Lipomannan and Lipoarabinomannan from a Clinical Isolate of <i>Mycobacterium kansasii</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 36637-36651.	3.4	86

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19	Intracellular trafficking pathway of newly synthesized CD1b molecules. <i>EMBO Journal</i> , 2002, 21, 825-834.	7.8	85
20	Type II and III Receptors for Immunoglobulin G (IgG) Control the Presentation of Different T Cell Epitopes from Single IgG-complexed Antigens. <i>Journal of Experimental Medicine</i> , 1998, 187, 505-515.	8.5	79
21	<i>Mycobacterium tuberculosis</i> and the host cell inflammasome: a complex relationship. <i>Frontiers in Cellular and Infection Microbiology</i> , 2013, 3, 62.	3.9	78
22	Interaction of <i>Mycobacterium tuberculosis</i> with Host Cell Death Pathways. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2014, 4, a022459-a022459.	6.2	75
23	syk protein tyrosine kinase regulates Fc receptor gamma -chain-mediated transport to lysosomes. <i>EMBO Journal</i> , 1998, 17, 4606-4616.	7.8	67
24	Syk Tyrosine Kinase and B Cell Antigen Receptor (BCR) Immunoglobulin- $\mu$ Subunit Determine BCR-mediated Major Histocompatibility Complex Class II-restricted Antigen Presentation. <i>Journal of Experimental Medicine</i> , 1998, 188, 819-831.	8.5	57
25	Role of lipid trimming and CD1 groove size in cellular antigen presentation. <i>EMBO Journal</i> , 2006, 25, 2989-2999.	7.8	50
26	A Duplicated ESAT-6 Region of ESX-5 Is Involved in Protein Export and Virulence of <i>Mycobacteria</i> . <i>Infection and Immunity</i> , 2015, 83, 4349-4361.	2.2	49
27	Acyclic Cucurbit[ $n$ ]uril-Type Molecular Container Enables Systemic Delivery of Effective Doses of Albendazole for Treatment of SK-OV-3 Xenograft Tumors. <i>Molecular Pharmaceutics</i> , 2016, 13, 809-818.	4.6	49
28	Apoptosis inhibition by intracellular bacteria and its consequence on host immunity. <i>Current Opinion in Immunology</i> , 2019, 60, 103-110.	5.5	49
29	Assessing Student Understanding of Host Pathogen Interactions Using a Concept Inventory. <i>Journal of Microbiology and Biology Education</i> , 2009, 10, 43-50.	1.0	47
30	CD1c bypasses lysosomes to present a lipopeptide antigen with 12 amino acids. <i>Journal of Experimental Medicine</i> , 2009, 206, 1409-1422.	8.5	47
31	<i>Mycobacterium tuberculosis</i> Infection of Dendritic Cells Leads to Partially Caspase-1/11-Independent IL-1 $\beta$ and IL-18 Secretion but Not to Pyroptosis. <i>PLoS ONE</i> , 2012, 7, e40722.	2.5	45
32	Modular Organization of the ESX-5 Secretion System in <i>Mycobacterium tuberculosis</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 49.	3.9	45
33	A Model for Using a Concept Inventory as a Tool for Students' Assessment and Faculty Professional Development. <i>CBE Life Sciences Education</i> , 2010, 9, 408-416.	2.3	44
34	The non-pathogenic mycobacteria <i>M. smegmatis</i> and <i>M. fortuitum</i> induce rapid host cell apoptosis via a caspase-3 and TNF dependent pathway. <i>BMC Microbiology</i> , 2010, 10, 237.	3.3	43
35	A Faculty Team Works to Create Content Linkages among Various Courses to Increase Meaningful Learning of Targeted Concepts of Microbiology. <i>CBE Life Sciences Education</i> , 2007, 6, 155-162.	2.3	37
36	Editorial: Switching on arginase in M2 macrophages. <i>Journal of Leukocyte Biology</i> , 2011, 90, 839-841.	3.3	34

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37	Glycoluril-Derived Molecular Clips are Potent and Selective Receptors for Cationic Dyes in Water. <i>Chemistry - A European Journal</i> , 2016, 22, 15270-15279.	3.3	32
38	A Novel Strategy to Reverse General Anesthesia by Scavenging with the Acyclic Cucurbit[n]uril-type Molecular Container Calabadiol 2. <i>Anesthesiology</i> , 2016, 125, 333-345.	2.5	31
39	Activator of G-Protein Signaling 3-Induced Lysosomal Biogenesis Limits Macrophage Intracellular Bacterial Infection. <i>Journal of Immunology</i> , 2016, 196, 846-856.	0.8	31
40	<i>Mycobacterium tuberculosis</i> inhibits the NLRP3 inflammasome activation via its phosphokinase PknF. <i>PLoS Pathogens</i> , 2021, 17, e1009712.	4.7	31
41	<i>Mycobacterium tuberculosis</i> Inhibits Autocrine Type I IFN Signaling to Increase Intracellular Survival. <i>Journal of Immunology</i> , 2019, 202, 2348-2359.	0.8	29
42	Host Cell Targets of Released Lipid and Secreted Protein Effectors of <i>Mycobacterium tuberculosis</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 595029.	3.9	29
43	Diversification of CD1 proteins: sampling the lipid content of different cellular compartments. <i>Seminars in Immunology</i> , 2000, 12, 517-525.	5.6	27
44	Molecular Mechanisms of Host-Pathogen Interactions and their Potential for the Discovery of New Drug Targets. <i>Current Drug Targets</i> , 2008, 9, 150-157.	2.1	24
45	Acyclic Cucurbit[n]uril-Type Molecular Containers: Influence of Linker Length on Their Function as Solubilizing Agents. <i>ChemMedChem</i> , 2016, 11, 980-989.	3.2	22
46	Identification of a Transcription Factor That Regulates Host Cell Exit and Virulence of <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , 2016, 12, e1005652.	4.7	22
47	Immune Response Induced by Three <i>Mycobacterium bovis</i> BCG Substrains with Diverse Regions of Deletion in a C57BL/6 Mouse Model. <i>Vaccine Journal</i> , 2008, 15, 750-756.	3.1	20
48	Metal Organic Polyhedra: A Click-and-Click Approach Toward Targeted Delivery. <i>Helvetica Chimica Acta</i> , 2018, 101, e1800057.	1.6	20
49	Interaction of <i>Mycobacteria</i> With Host Cell Inflammasomes. <i>Frontiers in Immunology</i> , 2022, 13, 791136.	4.8	20
50	Intracellular signaling and endosomal trafficking of immunoreceptors. <i>Immunology Letters</i> , 1997, 57, 1-4.	2.5	15
51	<i>Mycobacterium tuberculosis</i> Genes Involved in Regulation of Host Cell Death. <i>Advances in Experimental Medicine and Biology</i> , 2013, 783, 93-102.	1.6	14
52	In Vitro and In Vivo Sequestration of Phencyclidine by Me <sub>4</sub> Cucurbit[8]uril**. <i>Chemistry - A European Journal</i> , 2021, 27, 3098-3105.	3.3	14
53	Cucurbit[7]uril Containers for Targeted Delivery of Oxaliplatin to Cancer Cells. <i>Angewandte Chemie</i> , 2013, 125, 12255-12259.	2.0	13
54	With a Little Help from My Friends: Efferocytosis as an Antimicrobial Mechanism. <i>Cell Host and Microbe</i> , 2012, 12, 261-263.	11.0	8

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55	In Vitro and In Vivo Sequestration of Methamphetamine by a Sulfated Acyclic CB[n]-Type Receptor. Chemistry - A European Journal, 2021, 27, 17476-17486.	3.3	5
56	Acyclic Cucurbit[ <i>n</i> ]uril Dendrimers. Organic Letters, 2015, 17, 5914-5917.	4.6	4
57	Anthracene-Walled Acyclic CB[n] Receptors: <i>in vitro</i> and <i>in vivo</i> Binding Properties toward Drugs of Abuse. ChemMedChem, 2022, 17, .	3.2	2
58	CD1c bypasses lysosomes to present a lipopeptide antigen with 12 amino acids. Journal of Experimental Medicine, 2009, 206, 1831-1831.	8.5	0
59	Antigenic variation of microbial surface glycosylated molecules. , 2010, , 819-835.		0
60	Frontispiece: Glycoluril-Derived Molecular Clips are Potent and Selective Receptors for Cationic Dyes in Water. Chemistry - A European Journal, 2016, 22, .	3.3	0