

Volker Brinkmann

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

25,500
citations

47006

47
h-index

45317

90
g-index

102
all docs

102
docs citations

102
times ranked

25299
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutrophil Extracellular Traps Kill Bacteria. <i>Science</i> , 2004, 303, 1532-1535.	12.6	7,806
2	Novel cell death program leads to neutrophil extracellular traps. <i>Journal of Cell Biology</i> , 2007, 176, 231-241.	5.2	2,693
3	Monocytes, neutrophils, and platelets cooperate to initiate and propagate venous thrombosis in mice in vivo. <i>Journal of Experimental Medicine</i> , 2012, 209, 819-835.	8.5	1,441
4	Netting neutrophils in autoimmune small-vessel vasculitis. <i>Nature Medicine</i> , 2009, 15, 623-625.	30.7	1,390
5	Neutrophil Extracellular Traps Contain Calprotectin, a Cytosolic Protein Complex Involved in Host Defense against <i>Candida albicans</i> . <i>PLoS Pathogens</i> , 2009, 5, e1000639.	4.7	1,378
6	Impairment of neutrophil extracellular trap degradation is associated with lupus nephritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9813-9818.	7.1	1,201
7	Reciprocal coupling of coagulation and innate immunity via neutrophil serine proteases. <i>Nature Medicine</i> , 2010, 16, 887-896.	30.7	995
8	Neutrophil extracellular traps: Is immunity the second function of chromatin?. <i>Journal of Cell Biology</i> , 2012, 198, 773-783.	5.2	878
9	Beneficial suicide: why neutrophils die to make NETs. <i>Nature Reviews Microbiology</i> , 2007, 5, 577-582.	28.6	798
10	Diverse stimuli engage different neutrophil extracellular trap pathways. <i>ELife</i> , 2017, 6, .	6.0	598
11	Restoration of NET formation by gene therapy in CGD controls aspergillosis. <i>Blood</i> , 2009, 114, 2619-2622.	1.4	500
12	The Notch and Wnt pathways regulate stemness and differentiation in human fallopian tube organoids. <i>Nature Communications</i> , 2015, 6, 8989.	12.8	354
13	AhR sensing of bacterial pigments regulates antibacterial defence. <i>Nature</i> , 2014, 512, 387-392.	27.8	309
14	Chlamydia causes fragmentation of the Golgi compartment to ensure reproduction. <i>Nature</i> , 2009, 457, 731-735.	27.8	254
15	Neutrophil Extracellular Traps: How to Generate and Visualize Them. <i>Journal of Visualized Experiments</i> , 2010, , .	0.3	224
16	Neutrophil Extracellular Traps in the Second Decade. <i>Journal of Innate Immunity</i> , 2018, 10, 414-421.	3.8	220
17	A proposed role for neutrophil extracellular traps in cancer immunoediting. <i>Frontiers in Immunology</i> , 2013, 4, 48.	4.8	219
18	Phosphorylation of tyrosine 972 of the <i>Helicobacter pylori</i> CagA protein is essential for induction of a scattering phenotype in gastric epithelial cells. <i>Molecular Microbiology</i> , 2008, 42, 631-644.	2.5	211

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19	Mouse Neutrophil Extracellular Traps in Microbial Infections. <i>Journal of Innate Immunity</i> , 2009, 1, 181-193.	3.8	206
20	The adaptor molecule CARD9 is essential for tuberculosis control. <i>Journal of Experimental Medicine</i> , 2010, 207, 777-792.	8.5	193
21	Type I IFN signaling triggers immunopathology in tuberculosis-susceptible mice by modulating lung phagocyte dynamics. <i>European Journal of Immunology</i> , 2014, 44, 2380-2393.	2.9	190
22	Automatic quantification of in vitro NET formation. <i>Frontiers in Immunology</i> , 2012, 3, 413.	4.8	176
23	A small non-coding RNA of the invasion gene island (SPI-1) represses outer membrane protein synthesis from the <i>Salmonella</i> core genome. <i>Molecular Microbiology</i> , 2007, 66, 1174-1191.	2.5	171
24	Cell-Cycle Proteins Control Production of Neutrophil Extracellular Traps. <i>Developmental Cell</i> , 2017, 43, 449-462.e5.	7.0	159
25	Lung-Residing Myeloid-derived Suppressors Display Dual Functionality in Murine Pulmonary Tuberculosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 1053-1066.	5.6	143
26	ALPK1- and TIFA-Dependent Innate Immune Response Triggered by the <i>Helicobacter pylori</i> Type IV Secretion System. <i>Cell Reports</i> , 2017, 20, 2384-2395.	6.4	139
27	Prevalence of <i>Propionibacterium acnes</i> in diseased prostates and its inflammatory and transforming activity on prostate epithelial cells. <i>International Journal of Medical Microbiology</i> , 2011, 301, 69-78.	3.6	126
28	Delay of phagosome maturation by a mycobacterial lipid is reversed by nitric oxide. <i>Cellular Microbiology</i> , 2008, 10, 1530-1545.	2.1	122
29	Rab6 and Rab11 Regulate <i>Chlamydia trachomatis</i> Development and Golgin-84-Dependent Golgi Fragmentation. <i>PLoS Pathogens</i> , 2009, 5, e1000615.	4.7	121
30	Neutrophil extracellular traps drive inflammatory pathogenesis in malaria. <i>Science Immunology</i> , 2019, 4, .	11.9	108
31	Low iron availability modulates the course of <i>Chlamydia pneumoniae</i> infection. <i>Cellular Microbiology</i> , 2001, 3, 427-437.	2.1	101
32	IcsA Is a <i>Shigella flexneri</i> Adhesin Regulated by the Type III Secretion System and Required for Pathogenesis. <i>Cell Host and Microbe</i> , 2014, 15, 435-445.	11.0	88
33	Wnt/ β -catenin signalling induces MLL to create epigenetic changes in salivary gland tumours. <i>EMBO Journal</i> , 2013, 32, 1977-1989.	7.8	86
34	The <i>Helicobacter pylori</i> CagA protein disrupts matrix adhesion of gastric epithelial cells by dephosphorylation of vinculin. <i>Cellular Microbiology</i> , 2007, 9, 1148-1161.	2.1	80
35	Chronic <i>Chlamydia</i> infection in human organoids increases stemness and promotes age-dependent CpG methylation. <i>Nature Communications</i> , 2019, 10, 1194.	12.8	76
36	Midkine drives cardiac inflammation by promoting neutrophil trafficking and NETosis in myocarditis. <i>Journal of Experimental Medicine</i> , 2019, 216, 350-368.	8.5	76

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37	Bacterial Porin Disrupts Mitochondrial Membrane Potential and Sensitizes Host Cells to Apoptosis. <i>PLoS Pathogens</i> , 2009, 5, e1000629.	4.7	72
38	Spontaneous formation of IpaB ion channels in host cell membranes reveals how <i>Shigella</i> induces pyroptosis in macrophages. <i>Cell Death and Disease</i> , 2012, 3, e384-e384.	6.3	70
39	Chlamydia infection depends on a functional MDM2-p53 axis. <i>Nature Communications</i> , 2014, 5, 5201.	12.8	69
40	Transgenic, Fluorescent <i>Leishmania mexicana</i> Allow Direct Analysis of the Proteome of Intracellular Amastigotes. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 1688-1701.	3.8	68
41	Critical Role of Methylglyoxal and AGE in Mycobacteria-Induced Macrophage Apoptosis and Activation. <i>PLoS ONE</i> , 2006, 1, e29.	2.5	64
42	Critical Role for Heat Shock Protein 20 (HSP20) in Migration of Malarial Sporozoites. <i>Journal of Biological Chemistry</i> , 2012, 287, 2410-2422.	3.4	62
43	Opposing Wnt signals regulate cervical squamocolumnar homeostasis and emergence of metaplasia. <i>Nature Cell Biology</i> , 2021, 23, 184-197.	10.3	62
44	Epithelial response to IFN γ promotes SARS-CoV-2 infection. <i>EMBO Molecular Medicine</i> , 2021, 13, e13191.	6.9	62
45	The E3 ubiquitin ligase NEDD4 enhances killing of membrane-perturbing intracellular bacteria by promoting autophagy. <i>Autophagy</i> , 2017, 13, 2041-2055.	9.1	58
46	Non-competitive resource exploitation within mosquito shapes within-host malaria infectivity and virulence. <i>Nature Communications</i> , 2018, 9, 3474.	12.8	58
47	Unbiased classification of mosquito blood cells by single-cell genomics and high-content imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7568-E7577.	7.1	57
48	Autophagy-independent function of MAP-LC3 during intracellular propagation of <i>Chlamydia trachomatis</i> . <i>Autophagy</i> , 2011, 7, 814-828.	9.1	56
49	Immunodetection of NETs in Paraffin-Embedded Tissue. <i>Frontiers in Immunology</i> , 2016, 7, 513.	4.8	56
50	<i>C. trachomatis</i> remodels stable microtubules to coordinate Golgi stack recruitment to the chlamydial inclusion surface. <i>Molecular Microbiology</i> , 2014, 94, 1285-1297.	2.5	50
51	<i>Helicobacter pylori</i> HP0518 affects flagellin glycosylation to alter bacterial motility. <i>Molecular Microbiology</i> , 2010, 78, 1130-1144.	2.5	49
52	The Spatiotemporal Dynamics and Membranous Features of the <i>Plasmodium</i> Liver Stage Tubovesicular Network. <i>Traffic</i> , 2014, 15, 362-382.	2.7	48
53	The exported <i>Plasmodium berghei</i> protein IBIS1 delineates membranous structures in infected red blood cells. <i>Molecular Microbiology</i> , 2012, 83, 1229-1243.	2.5	47
54	<i>Propionibacterium acnes</i> host cell tropism contributes to vimentin-mediated invasion and induction of inflammation. <i>Cellular Microbiology</i> , 2012, 14, 1720-1733.	2.1	43

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55	Comparative genomics reveals distinct host-interacting traits of three major human-associated propionibacteria. <i>BMC Genomics</i> , 2013, 14, 640.	2.8	43
56	The <i>Plasmodium berghei</i> translocon of exported proteins reveals spatiotemporal dynamics of tubular extensions. <i>Scientific Reports</i> , 2015, 5, 12532.	3.3	41
57	<i>Mycobacterium tuberculosis</i> infection modulates adipose tissue biology. <i>PLoS Pathogens</i> , 2017, 13, e1006676.	4.7	39
58	Bim and Bmf Synergize To Induce Apoptosis in <i>Neisseria Gonorrhoeae</i> Infection. <i>PLoS Pathogens</i> , 2009, 5, e1000348.	4.7	35
59	Tyrosine-Phosphorylated Caveolin-1 Blocks Bacterial Uptake by Inducing Vav2-RhoA-Mediated Cytoskeletal Rearrangements. <i>PLoS Biology</i> , 2010, 8, e1000457.	5.6	32
60	Modelling Chlamydia and HPV co-infection in patient-derived ectocervix organoids reveals distinct cellular reprogramming. <i>Nature Communications</i> , 2022, 13, 1030.	12.8	32
61	Heparan Sulfate Modulates Neutrophil and Endothelial Function in Antibacterial Innate Immunity. <i>Infection and Immunity</i> , 2015, 83, 3648-3656.	2.2	30
62	Pan-genome analysis of the genus <i>Finnegoldia</i> identifies two distinct clades, strain-specific heterogeneity, and putative virulence factors. <i>Scientific Reports</i> , 2018, 8, 266.	3.3	28
63	<i>Dnase1</i> deficient mice spontaneously develop a systemic lupus erythematosus-like disease. <i>European Journal of Immunology</i> , 2019, 49, 590-599.	2.9	27
64	EGF and BMPs Govern Differentiation and Patterning in Human Gastric Glands. <i>Gastroenterology</i> , 2021, 161, 623-636.e16.	1.3	25
65	Real-time imaging of <i>Leishmania mexicana</i> infected early phagosomes: a study using primary macrophages generated from green fluorescent protein-Rab5 transgenic mice. <i>FASEB Journal</i> , 2009, 23, 483-491.	0.5	22
66	Prevalence of Flp Pili-Encoding Plasmids in <i>Cutibacterium acnes</i> Isolates Obtained from Prostatic Tissue. <i>Frontiers in Microbiology</i> , 2017, 8, 2241.	3.5	21
67	Optogenetic monitoring identifies phosphatidylthreonine-regulated calcium homeostasis in <i>Toxoplasma gondii</i> . <i>Microbial Cell</i> , 2016, 3, 215-223.	3.2	20
68	Role of interleukin-12 in determining differential kinetics of invariant natural killer T cells in response to differential burden of <i>Listeria monocytogenes</i> . <i>Microbes and Infection</i> , 2008, 10, 224-232.	1.9	17
69	Naturally occurring amino acids differentially influence the development of <i>Chlamydia trachomatis</i> and <i>Chlamydia (Chlamydophila) pneumoniae</i> . <i>Journal of Medical Microbiology</i> , 2006, 55, 879-886.	1.8	15
70	Requirement of secondary lymphoid tissues for the induction of primary and secondary T cell responses against <i>Listeria monocytogenes</i> . <i>European Journal of Immunology</i> , 2008, 38, 127-138.	2.9	15
71	FX11 limits <i>Mycobacterium tuberculosis</i> growth and potentiates bactericidal activity of isoniazid through host-directed activity. <i>DMM Disease Models and Mechanisms</i> , 2020, 13, .	2.4	15
72	Immunofluorescence Labelling of Human and Murine Neutrophil Extracellular Traps in Paraffin-Embedded Tissue. <i>Journal of Visualized Experiments</i> , 2019, .	0.3	14

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73	Neutrophil alterations in pregnancy-associated malaria and induction of neutrophil chemotaxis by <i>Plasmodium falciparum</i> . <i>Parasite Immunology</i> , 2017, 39, e12433.	1.5	13
74	<i>Staphylococcus saccharolyticus</i> Isolated From Blood Cultures and Prosthetic Joint Infections Exhibits Excessive Genome Decay. <i>Frontiers in Microbiology</i> , 2019, 10, 478.	3.5	12
75	Genomic features of the <i>Helicobacter pylori</i> strain PMSS1 and its virulence attributes as deduced from its <i>in vivo</i> colonisation patterns. <i>Molecular Microbiology</i> , 2018, 110, 761-776.	2.5	11
76	Survival Strategies of <i>Streptococcus pyogenes</i> in Response to Phage Infection. <i>Viruses</i> , 2021, 13, 612.	3.3	11
77	Comparative <i>Plasmodium</i> gene overexpression reveals distinct perturbation of sporozoite transmission by profilin. <i>Molecular Biology of the Cell</i> , 2016, 27, 2234-2244.	2.1	9
78	Genetic characterization of an adapted pandemic 2009 H1N1 influenza virus that reveals improved replication rates in human lung epithelial cells. <i>Virology</i> , 2016, 492, 118-129.	2.4	8
79	Weaker protection against tuberculosis in BCG-vaccinated male 129 S2 mice compared to females. <i>Vaccine</i> , 2021, 39, 7253-7264.	3.8	8
80	Role of Premycofactocin Synthase in Growth, Microaerophilic Adaptation, and Metabolism of <i>Mycobacterium tuberculosis</i> . <i>MBio</i> , 2021, 12, e0166521.	4.1	7
81	Long-term effects of natural amino acids on infection with <i>Chlamydia trachomatis</i> . <i>Microbial Pathogenesis</i> , 2008, 44, 438-447.	2.9	5
82	Efficacy Testing of H56 cDNA Tattoo Immunization against Tuberculosis in a Mouse Model. <i>Frontiers in Immunology</i> , 2017, 8, 1744.	4.8	5
83	Immunofluorescent Detection of NET Components in Paraffin-Embedded Tissue. <i>Methods in Molecular Biology</i> , 2020, 2087, 415-424.	0.9	4
84	Polarization of MTIP is a signature of gliding locomotion in <i>Plasmodium</i> ookinetes and sporozoites. <i>Molecular and Biochemical Parasitology</i> , 2020, 235, 111247.	1.1	3
85	Entering the neutrophil trap. <i>Nature Reviews Immunology</i> , 2021, 21, 615-615.	22.7	3
86	Chapter 24 Infection at the Cellular Level. <i>Methods in Cell Biology</i> , 2008, 88, 477-496.	1.1	2
87	Response: Protecting against <i>Aspergillus</i> infection in CGD. <i>Blood</i> , 2009, 114, 3498-3498.	1.4	2
88	Identifying Activated T Cells in Reconstituted RAG Deficient Mice Using Retrovirally Transduced Pax5 Deficient Pro-B Cells. <i>PLoS ONE</i> , 2009, 4, e5115.	2.5	1
89	Wnt/ β -catenin activity is essential to turn the epigenetic state to "ON" in salivary gland stem cells to create cancer stem cells. <i>Journal of Stem Cells and Regenerative Medicine</i> , 2010, 6, 134.	2.2	1
90	PS5:92...Clarification of the role of dnase 1 on the onset of systemic lupus erythematosus in a murine model., 2018,,.		0

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91	ALPK1 and TIFA Dependent Innate Immune Response Triggered by the <i>Helicobacter pylori</i> Type IV Secretion System. SSRN Electronic Journal, 0, , .	0.4	0