

Bernd Schmeck

List of Publications by Year in Descending Order

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

1,525
citations

22
h-index

38
g-index

55
ext. papers

1,855
ext. citations

6.8
avg, IF

4.07
L-index

#	Paper	IF	Citations
52	ADAM8 signaling drives neutrophil migration and ARDS severity.. <i>JCI Insight</i> , 2022 , 7,	9.9	3
51	Hippocampal Cytokine Release in Experimental Epileptogenesis: A Longitudinal In Vivo Microdialysis Study. <i>Brain Sciences</i> , 2022 , 12, 677	3.4	0
50	Transcriptional analysis identifies potential biomarkers and molecular regulators in acute malaria infection. <i>Life Sciences</i> , 2021 , 270, 119158	6.8	4
49	Sepsis and Autoimmune Disease: Pathology, Systems Medicine, and Artificial Intelligence 2021 , 581-592		
48	Modeling of Pneumonia and Acute Lung Injury: Bioinformatics, Systems Medicine, and Artificial Intelligence 2021 , 573-580		0
47	Efficient antisense inhibition reveals microRNA-155 to restrain a late-myeloid inflammatory programme in primary human phagocytes. <i>RNA Biology</i> , 2021 , 18, 604-618	4.8	1
46	The clinical role of host and bacterial-derived extracellular vesicles in pneumonia. <i>Advanced Drug Delivery Reviews</i> , 2021 , 176, 113811	18.5	2
45	<i>Tribolium castaneum</i> defensin 1 kills <i>Moraxella catarrhalis</i> in an in vitro infection model but does not harm commensal bacteria. <i>Virulence</i> , 2021 , 12, 1003-1010	4.7	2
44	Noncoding RNA is an integral component of the TLR4-TRIF pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 9042-9053	11.5	15
43	Caspase-11 promotes allergic airway inflammation. <i>Nature Communications</i> , 2020 , 11, 1055	17.4	26
42	Transcriptional analysis identifies potential biomarkers and molecular regulators in pneumonia and COPD exacerbation. <i>Scientific Reports</i> , 2020 , 10, 241	4.9	7
41	Surface Proteome of Plasma Extracellular Vesicles as Biomarkers for Pneumonia and Acute Exacerbation of Chronic Obstructive Pulmonary Disease. <i>Journal of Infectious Diseases</i> , 2020 , 221, 325-335	7.5	6
40	NF- κ B-mediated inhibition of microRNA-149-5p regulates Chitinase-3-like 1 expression in human airway epithelial cells. <i>Cellular Signalling</i> , 2020 , 67, 109498	4.9	5
39	Disease-Causing Mutations and Rearrangements in Long Non-coding RNA Gene Loci. <i>Frontiers in Genetics</i> , 2020 , 11, 527484	4.5	11
38	Detection and segmentation of morphologically complex eukaryotic cells in fluorescence microscopy images via feature pyramid fusion. <i>PLoS Computational Biology</i> , 2020 , 16, e1008179	5	7
37	A MicroRNA Network Controls Replication in Human Macrophages via LGALS8 and MX1. <i>MBio</i> , 2020 , 11,	7.8	5
36	Intracellular bacteria engage a STING-TBK1-MVB12b pathway to enable paracrine cGAS-STING signalling. <i>Nature Microbiology</i> , 2019 , 4, 701-713	26.6	50

35	TMPRSS2 Is the Major Activating Protease of Influenza A Virus in Primary Human Airway Cells and Influenza B Virus in Human Type II Pneumocytes. <i>Journal of Virology</i> , 2019 , 93,	6.6	69
34	Personalized medicine for patients with COPD: where are we?. <i>International Journal of COPD</i> , 2019 , 14, 1465-1484	3	32
33	Peptidoglycan Recognition Protein 4 Limits Bacterial Clearance and Inflammation in Lungs by Control of the Gut Microbiota. <i>Frontiers in Immunology</i> , 2019 , 10, 2106	8.4	10
32	Antibacterial activity of a defensin in an infection model of. <i>Virulence</i> , 2019 , 10, 902-909	4.7	3
31	Intestinal development and homeostasis require activation and apoptosis of diet-reactive T cells. <i>Journal of Clinical Investigation</i> , 2019 , 129, 1972-1983	15.9	11
30	IL-17 CD8 T cell suppression by dimethyl fumarate associates with clinical response in multiple sclerosis. <i>Nature Communications</i> , 2019 , 10, 5722	17.4	39
29	Proviral MicroRNAs Detected in Extracellular Vesicles From Bronchoalveolar Lavage Fluid of Patients With Influenza Virus-Induced Acute Respiratory Distress Syndrome. <i>Journal of Infectious Diseases</i> , 2019 , 219, 540-543	7	25
28	ncRNAs in Inflammatory and Infectious Diseases. <i>Methods in Molecular Biology</i> , 2019 , 1912, 3-32	1.4	12
27	Whither systems medicine?. <i>Experimental and Molecular Medicine</i> , 2018 , 50, e453	12.8	37
26	A Far-Red Fluorescent DNA Binder for Interaction Studies of Live Multidrug-Resistant Pathogens and Host Cells. <i>Angewandte Chemie</i> , 2018 , 130, 11738-11742	3.6	5
25	A Far-Red Fluorescent DNA Binder for Interaction Studies of Live Multidrug-Resistant Pathogens and Host Cells. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11564-11568	16.4	12
24	THP-1-derived macrophages render lung epithelial cells hypo-responsive to Legionella pneumophila - a systems biology study. <i>Scientific Reports</i> , 2017 , 7, 11988	4.9	16
23	Legionella pneumophila infection activates bystander cells differentially by bacterial and host cell vesicles. <i>Scientific Reports</i> , 2017 , 7, 6301	4.9	17
22	Legionella pneumophila Outer Membrane Vesicles: Isolation and Analysis of Their Pro-inflammatory Potential on Macrophages. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	7
21	microRNA-125a-3p is regulated by MyD88 in Legionella pneumophila infection and targets NTAN1. <i>PLoS ONE</i> , 2017 , 12, e0176204	3.7	6
20	Current concepts in chronic inflammatory diseases: Interactions between microbes, cellular metabolism, and inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 138, 47-56	11.5	26
19	MicroRNAs Constitute a Negative Feedback Loop in Streptococcus pneumoniae-Induced Macrophage Activation. <i>Journal of Infectious Diseases</i> , 2016 , 214, 288-99	7	17
18	Legionella pneumophila-Derived Outer Membrane Vesicles Promote Bacterial Replication in Macrophages. <i>PLoS Pathogens</i> , 2016 , 12, e1005592	7.6	44

17	Training in Systems Approaches for the Next Generation of Life Scientists and Medical Doctors. <i>Methods in Molecular Biology</i> , 2016 , 1386, 73-86	1.4	6
16	Systems Medicine for Lung Diseases: Phenotypes and Precision Medicine in Cancer, Infection, and Allergy. <i>Methods in Molecular Biology</i> , 2016 , 1386, 119-33	1.4	3
15	Third-Kind Encounters in Biomedicine: Immunology Meets Mathematics and Informatics to Become Quantitative and Predictive. <i>Methods in Molecular Biology</i> , 2016 , 1386, 135-79	1.4	16
14	MicroRNAs in the lung. <i>Advances in Experimental Medicine and Biology</i> , 2013 , 774, 121-34	3.6	22
13	TLR9- and Src-dependent expression of Krueppel-like factor 4 controls interleukin-10 expression in pneumonia. <i>European Respiratory Journal</i> , 2013 , 41, 384-91	13.6	26
12	TLR2- and nucleotide-binding oligomerization domain 2-dependent Krüppel-like Factor 2 expression downregulates NF-kappa B-related gene expression. <i>Journal of Immunology</i> , 2010 , 185, 597-604	5.3	22
11	Proteomic characterization of the whole secretome of Legionella pneumophila and functional analysis of outer membrane vesicles. <i>Infection and Immunity</i> , 2008 , 76, 1825-36	3.7	145
10	Histone acetylation and flagellin are essential for Legionella pneumophila-induced cytokine expression. <i>Journal of Immunology</i> , 2008 , 181, 940-7	5.3	69
9	Simvastatin reduces Chlamydomphila pneumoniae-mediated histone modifications and gene expression in cultured human endothelial cells. <i>Circulation Research</i> , 2008 , 102, 888-95	15.7	37
8	Pneumococci induced TLR- and Rac1-dependent NF-kappaB-recruitment to the IL-8 promoter in lung epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006 , 290, L730-L737	5.8	62
7	Legionella pneumophila induces IFNbeta in lung epithelial cells via IPS-1 and IRF3, which also control bacterial replication. <i>Journal of Biological Chemistry</i> , 2006 , 281, 36173-9	5.4	98
6	Listeria monocytogenes induced Rac1-dependent signal transduction in endothelial cells. <i>Biochemical Pharmacology</i> , 2006 , 72, 1367-74	6	11
5	Streptococcus pneumoniae induced c-Jun-N-terminal kinase- and AP-1 -dependent IL-8 release by lung epithelial BEAS-2B cells. <i>Respiratory Research</i> , 2006 , 7, 98	7.3	48
4	Streptococcus pneumoniae induced p38 MAPK- and NF-kappaB-dependent COX-2 expression in human lung epithelium. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006 , 290, L1131-8	5.8	53
3	Streptococcus pneumoniae-induced p38 MAPK-dependent phosphorylation of RelA at the interleukin-8 promotor. <i>Journal of Biological Chemistry</i> , 2004 , 279, 53241-7	5.4	95
2	Nucleotide-binding oligomerization domain proteins are innate immune receptors for internalized Streptococcus pneumoniae. <i>Journal of Biological Chemistry</i> , 2004 , 279, 36426-32	5.4	254
1	Rho protein inhibition blocks cyclooxygenase-2 expression by proinflammatory mediators in endothelial cells. <i>Inflammation</i> , 2003 , 27, 89-95	5.1	26