

# Bernd Schmeck

## List of Publications by Citations

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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	Nucleotide-binding oligomerization domain proteins are innate immune receptors for internalized <i>Streptococcus pneumoniae</i> . <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 36426-32	5.4	254
51	Proteomic characterization of the whole secretome of <i>Legionella pneumophila</i> and functional analysis of outer membrane vesicles. <i>Infection and Immunity</i> , <b>2008</b> , 76, 1825-36	3.7	145
50	<i>Legionella pneumophila</i> induces IFN $\beta$ in lung epithelial cells via IPS-1 and IRF3, which also control bacterial replication. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 36173-9	5.4	98
49	<i>Streptococcus pneumoniae</i> -induced p38 MAPK-dependent phosphorylation of RelA at the interleukin-8 promoter. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 53241-7	5.4	95
48	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> , <b>2019</b> , 93,	6.6	69
47	Histone acetylation and flagellin are essential for <i>Legionella pneumophila</i> -induced cytokine expression. <i>Journal of Immunology</i> , <b>2008</b> , 181, 940-7	5.3	69
46	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> , <b>2006</b> , 290, L730-L737	5.8	62
45	<i>Streptococcus pneumoniae</i> 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> , <b>2006</b> , 290, L1131-8	5.8	53
44	Intracellular bacteria engage a STING-TBK1-MVB12b pathway to enable paracrine cGAS-STING signalling. <i>Nature Microbiology</i> , <b>2019</b> , 4, 701-713	26.6	50
43	<i>Streptococcus pneumoniae</i> induced c-Jun-N-terminal kinase- and AP-1 -dependent IL-8 release by lung epithelial BEAS-2B cells. <i>Respiratory Research</i> , <b>2006</b> , 7, 98	7.3	48
42	<i>Legionella pneumophila</i> -Derived Outer Membrane Vesicles Promote Bacterial Replication in Macrophages. <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1005592	7.6	44
41	IL-17 CD8 T cell suppression by dimethyl fumarate associates with clinical response in multiple sclerosis. <i>Nature Communications</i> , <b>2019</b> , 10, 5722	17.4	39
40	Whither systems medicine?. <i>Experimental and Molecular Medicine</i> , <b>2018</b> , 50, e453	12.8	37
39	Simvastatin reduces <i>Chlamydomphila pneumoniae</i> -mediated histone modifications and gene expression in cultured human endothelial cells. <i>Circulation Research</i> , <b>2008</b> , 102, 888-95	15.7	37
38	Personalized medicine for patients with COPD: where are we?. <i>International Journal of COPD</i> , <b>2019</b> , 14, 1465-1484	3	32
37	Caspase-11 promotes allergic airway inflammation. <i>Nature Communications</i> , <b>2020</b> , 11, 1055	17.4	26
36	Current concepts in chronic inflammatory diseases: Interactions between microbes, cellular metabolism, and inflammation. <i>Journal of Allergy and Clinical Immunology</i> , <b>2016</b> , 138, 47-56	11.5	26

35	TLR9- and Src-dependent expression of Krueppel-like factor 4 controls interleukin-10 expression in pneumonia. <i>European Respiratory Journal</i> , <b>2013</b> , 41, 384-91	13.6	26
34	Rho protein inhibition blocks cyclooxygenase-2 expression by proinflammatory mediators in endothelial cells. <i>Inflammation</i> , <b>2003</b> , 27, 89-95	5.1	26
33	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> , <b>2019</b> , 219, 540-543	7	25
32	MicroRNAs in the lung. <i>Advances in Experimental Medicine and Biology</i> , <b>2013</b> , 774, 121-34	3.6	22
31	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> , <b>2010</b> , 185, 597-604	5.3	22
30	MicroRNAs Constitute a Negative Feedback Loop in Streptococcus pneumoniae-Induced Macrophage Activation. <i>Journal of Infectious Diseases</i> , <b>2016</b> , 214, 288-99	7	17
29	Legionella pneumophila infection activates bystander cells differentially by bacterial and host cell vesicles. <i>Scientific Reports</i> , <b>2017</b> , 7, 6301	4.9	17
28	THP-1-derived macrophages render lung epithelial cells hypo-responsive to Legionella pneumophila - a systems biology study. <i>Scientific Reports</i> , <b>2017</b> , 7, 11988	4.9	16
27	Third-Kind Encounters in Biomedicine: Immunology Meets Mathematics and Informatics to Become Quantitative and Predictive. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1386, 135-79	1.4	16
26	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> , <b>2020</b> , 117, 9042-9053	11.5	15
25	ncRNAs in Inflammatory and Infectious Diseases. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1912, 3-32	1.4	12
24	A Far-Red Fluorescent DNA Binder for Interaction Studies of Live Multidrug-Resistant Pathogens and Host Cells. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 11564-11568	16.4	12
23	Listeria monocytogenes induced Rac1-dependent signal transduction in endothelial cells. <i>Biochemical Pharmacology</i> , <b>2006</b> , 72, 1367-74	6	11
22	Intestinal development and homeostasis require activation and apoptosis of diet-reactive T cells. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 1972-1983	15.9	11
21	Disease-Causing Mutations and Rearrangements in Long Non-coding RNA Gene Loci. <i>Frontiers in Genetics</i> , <b>2020</b> , 11, 527484	4.5	11
20	Peptidoglycan Recognition Protein 4 Limits Bacterial Clearance and Inflammation in Lungs by Control of the Gut Microbiota. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2106	8.4	10
19	Transcriptional analysis identifies potential biomarkers and molecular regulators in pneumonia and COPD exacerbation. <i>Scientific Reports</i> , <b>2020</b> , 10, 241	4.9	7
18	Legionella pneumophila Outer Membrane Vesicles: Isolation and Analysis of Their Pro-inflammatory Potential on Macrophages. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,	1.6	7

17	Detection and segmentation of morphologically complex eukaryotic cells in fluorescence microscopy images via feature pyramid fusion. <i>PLoS Computational Biology</i> , <b>2020</b> , 16, e1008179	5	7
16	Surface Proteome of Plasma Extracellular Vesicles as Biomarkers for Pneumonia and Acute Exacerbation of Chronic Obstructive Pulmonary Disease. <i>Journal of Infectious Diseases</i> , <b>2020</b> , 221, 325-335	7	6
15	microRNA-125a-3p is regulated by MyD88 in Legionella pneumophila infection and targets NTAN1. <i>PLoS ONE</i> , <b>2017</b> , 12, e0176204	3.7	6
14	Training in Systems Approaches for the Next Generation of Life Scientists and Medical Doctors. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1386, 73-86	1.4	6
13	NF- $\kappa$ B-mediated inhibition of microRNA-149-5p regulates Chitinase-3-like 1 expression in human airway epithelial cells. <i>Cellular Signalling</i> , <b>2020</b> , 67, 109498	4.9	5
12	A MicroRNA Network Controls Replication in Human Macrophages via LGALS8 and MX1. <i>MBio</i> , <b>2020</b> , 11,	7.8	5
11	A Far-Red Fluorescent DNA Binder for Interaction Studies of Live Multidrug-Resistant Pathogens and Host Cells. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 11738-11742	3.6	5
10	Transcriptional analysis identifies potential biomarkers and molecular regulators in acute malaria infection. <i>Life Sciences</i> , <b>2021</b> , 270, 119158	6.8	4
9	Antibacterial activity of a defensin in an infection model of. <i>Virulence</i> , <b>2019</b> , 10, 902-909	4.7	3
8	ADAM8 signaling drives neutrophil migration and ARDS severity.. <i>JCI Insight</i> , <b>2022</b> , 7,	9.9	3
7	Systems Medicine for Lung Diseases: Phenotypes and Precision Medicine in Cancer, Infection, and Allergy. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1386, 119-33	1.4	3
6	The clinical role of host and bacterial-derived extracellular vesicles in pneumonia. <i>Advanced Drug Delivery Reviews</i> , <b>2021</b> , 176, 113811	18.5	2
5	Tribolium castaneum defensin 1 kills Moraxella catarrhalis in an in vitro infection model but does not harm commensal bacteria. <i>Virulence</i> , <b>2021</b> , 12, 1003-1010	4.7	2
4	Efficient antisense inhibition reveals microRNA-155 to restrain a late-myeloid inflammatory programme in primary human phagocytes. <i>RNA Biology</i> , <b>2021</b> , 18, 604-618	4.8	1
3	Modeling of Pneumonia and Acute Lung Injury: Bioinformatics, Systems Medicine, and Artificial Intelligence <b>2021</b> , 573-580		0
2	Hippocampal Cytokine Release in Experimental Epileptogenesis: A Longitudinal In Vivo Microdialysis Study. <i>Brain Sciences</i> , <b>2022</b> , 12, 677	3.4	0
1	Sepsis and Autoimmune Disease: Pathology, Systems Medicine, and Artificial Intelligence <b>2021</b> , 581-592		