Bernd Schmeck

List of Publications by Year
in descending order

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52	2,146	257357	233338
papers	citations	24 h-index	45 g-index

55	55	55	3353
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nucleotide-binding Oligomerization Domain Proteins Are Innate Immune Receptors for Internalized Streptococcus pneumoniae. Journal of Biological Chemistry, 2004, 279, 36426-36432.	1.6	286
2	Proteomic Characterization of the Whole Secretome of Legionella pneumophila and Functional Analysis of Outer Membrane Vesicles. Infection and Immunity, 2008, 76, 1825-1836.	1.0	175
3	Legionella pneumophila Induces IFNÎ² in Lung Epithelial Cells via IPS-1 and IRF3, Which Also Control Bacterial Replication. Journal of Biological Chemistry, 2006, 281, 36173-36179.	1.6	118
4	TMPRSS2 Is the Major Activating Protease of Influenza A Virus in Primary Human Airway Cells and Influenza B Virus in Human Type II Pneumocytes. Journal of Virology, 2019, 93, .	1.5	116
5	Streptococcus pneumoniae-induced p38 MAPK-dependent Phosphorylation of RelA at the Interleukin-8 Promotor. Journal of Biological Chemistry, 2004, 279, 53241-53247.	1.6	109
6	Intracellular bacteria engage a STINGâ€“TBK1â€“MVB12b pathway to enable paracrine cGASâ€“STING signalling. Nature Microbiology, 2019, 4, 701-713.	5.9	100
7	Histone Acetylation and Flagellin Are Essential for Legionella pneumophila-Induced Cytokine Expression. Journal of Immunology, 2008, 181, 940-947.	0.4	84
8	Pneumococci induced TLR- and Rac1-dependent NF-ÎºB-recruitment to the IL-8 promoter in lung epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 290, L730-L737.	1.3	76
9	Legionella pneumophila-Derived Outer Membrane Vesicles Promote Bacterial Replication in Macrophages. PLoS Pathogens, 2016, 12, e1005592.	2.1	72
10	IL-17+ CD8+ T cell suppression by dimethyl fumarate associates with clinical response in multiple sclerosis. Nature Communications, 2019, 10, 5722.	5.8	68
11	Streptococcus pneumoniae induced p38 MAPK- and NF-ÎºB-dependent COX-2 expression in human lung epithelium. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 290, L1131-L1138.	1.3	62
12	Streptococcus pneumoniae induced c-Jun-N-terminal kinase- and AP-1 -dependent IL-8 release by lung epithelial BEAS-2B cells. Respiratory Research, 2006, 7, 98.	1.4	59
13	Personalized medicine for patients with COPD: where are we? . International Journal of COPD, 2019, Volume 14, 1465-1484.	0.9	55
14	Caspase-11 promotes allergic airway inflammation. Nature Communications, 2020, 11, 1055.	5.8	52
15	Whither systems medicine?. Experimental and Molecular Medicine, 2018, 50, e453-e453.	3.2	49
16	Disease-Causing Mutations and Rearrangements in Long Non-coding RNA Gene Loci. Frontiers in Genetics, 2020, 11, 527484.	1.1	44
17	Simvastatin ReducesChlamydophila pneumoniaeâ€“Mediated Histone Modifications and Gene Expression in Cultured Human Endothelial Cells. Circulation Research, 2008, 102, 888-895.	2.0	41
18	Proviral MicroRNAs Detected in Extracellular Vesicles From Bronchoalveolar Lavage Fluid of Patients With Influenza Virusâ€“Induced Acute Respiratory Distress Syndrome. Journal of Infectious Diseases, 2019, 219, 540-543.	1.9	40

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19	TLR9- and Src-dependent expression of Krueppel-like factor 4 controls interleukin-10 expression in pneumonia. European Respiratory Journal, 2013, 41, 384-391.	3.1	35
20	Current concepts in chronic inflammatory diseases: Interactions between microbes, cellular metabolism, and inflammation. Journal of Allergy and Clinical Immunology, 2016, 138, 47-56.	1.5	35
21	Noncoding RNA MalL1 is an integral component of the TLR4â€“TRIF pathway. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9042-9053.	3.3	33
22	Rho protein inhibition blocks cyclooxygenase-2 expression by proinflammatory mediators in endothelial cells. Inflammation, 2003, 27, 89-95.	1.7	32
23	MicroRNAs in the Lung. Advances in Experimental Medicine and Biology, 2013, 774, 121-134.	0.8	26
24	TLR2- and Nucleotide-Binding Oligomerization Domain 2-Dependent KrÃ¼ppel-Like Factor 2 Expression Downregulates NF-ÎºBâ€“Related Gene Expression. Journal of Immunology, 2010, 185, 597-604.	0.4	24
25	Legionella pneumophila infection activates bystander cells differentially by bacterial and host cell vesicles. Scientific Reports, 2017, 7, 6301.	1.6	24
26	Detection and segmentation of morphologically complex eukaryotic cells in fluorescence microscopy images via feature pyramid fusion. PLoS Computational Biology, 2020, 16, e1008179.	1.5	23
27	Intestinal development and homeostasis require activation and apoptosis of diet-reactive T cells. Journal of Clinical Investigation, 2019, 129, 1972-1983.	3.9	22
28	MicroRNAs Constitute a Negative Feedback Loop inStreptococcus pneumoniaeâ€“Induced Macrophage Activation. Journal of Infectious Diseases, 2016, 214, 288-299.	1.9	21
29	THP-1-derived macrophages render lung epithelial cells hypo-responsive to Legionella pneumophila â€“ a systems biology study. Scientific Reports, 2017, 7, 11988.	1.6	21
30	A Farâ€Red Fluorescent DNA Binder for Interaction Studies of Live Multidrugâ€Resistant Pathogens and Host Cells. Angewandte Chemie - International Edition, 2018, 57, 11564-11568.	7.2	20
31	Third-Kind Encounters in Biomedicine: Immunology Meets Mathematics and Informatics to Become Quantitative and Predictive. Methods in Molecular Biology, 2016, 1386, 135-179.	0.4	20
32	ncRNAs in Inflammatory and Infectious Diseases. Methods in Molecular Biology, 2019, 1912, 3-32.	0.4	18
33	ADAM8 signaling drives neutrophil migration and ARDS severity. JCI Insight, 2022, 7, .	2.3	18
34	Peptidoglycan Recognition Protein 4 Limits Bacterial Clearance and Inflammation in Lungs by Control of the Gut Microbiota. Frontiers in Immunology, 2019, 10, 2106.	2.2	17
35	Transcriptional analysis identifies potential biomarkers and molecular regulators in pneumonia and COPD exacerbation. Scientific Reports, 2020, 10, 241.	1.6	17
36	microRNA-125a-3p is regulated by MyD88 in Legionella pneumophila infection and targets NTAN1. PLoS ONE, 2017, 12, e0176204.	1.1	17

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37	Listeria monocytogenes induced Rac1-dependent signal transduction in endothelial cells. Biochemical Pharmacology, 2006, 72, 1367-1374.	2.0	15
38	A MicroRNA Network Controls Legionella pneumophila Replication in Human Macrophages via LGALS8 and MX1. MBio, 2020, 11, .	1.8	14
39	Surface Proteome of Plasma Extracellular Vesicles as Biomarkers for Pneumonia and Acute Exacerbation of Chronic Obstructive Pulmonary Disease. Journal of Infectious Diseases, 2019, 221, 325-335.	1.9	12
40	NF-ÎºB-mediated inhibition of microRNA-149-5p regulates Chitinase-3-like 1 expression in human airway epithelial cells. Cellular Signalling, 2020, 67, 109498.	1.7	11
41	The clinical role of host and bacterial-derived extracellular vesicles in pneumonia. Advanced Drug Delivery Reviews, 2021, 176, 113811.	6.6	11
42	Antibacterial activity of a Tribolium castaneum defensin in an in vitro infection model of Streptococcus pneumoniae. Virulence, 2019, 10, 902-909.	1.8	10
43	Legionella pneumophila Outer Membrane Vesicles: Isolation and Analysis of Their Pro-inflammatory Potential on Macrophages. Journal of Visualized Experiments, 2017, , .	0.2	9
44	Tribolium castaneum defensin 1 kills Moraxella catarrhalis in an in vitro infection model but does not harm commensal bacteria. Virulence, 2021, 12, 1003-1010.	1.8	7
45	Training in Systems Approaches for the Next Generation of Life Scientists and Medical Doctors. Methods in Molecular Biology, 2016, 1386, 73-86.	0.4	6
46	A Farâ€Red Fluorescent DNA Binder for Interaction Studies of Live Multidrugâ€Resistant Pathogens and Host Cells. Angewandte Chemie, 2018, 130, 11738-11742.	1.6	5
47	Efficient antisense inhibition reveals microRNA-155 to restrain a late-myeloid inflammatory programme in primary human phagocytes. RNA Biology, 2021, 18, 604-618.	1.5	5
48	Transcriptional analysis identifies potential biomarkers and molecular regulators in acute malaria infection. Life Sciences, 2021, 270, 119158.	2.0	5
49	Systems Medicine for Lung Diseases: Phenotypes and Precision Medicine in Cancer, Infection, and Allergy. Methods in Molecular Biology, 2016, 1386, 119-133.	0.4	4
50	Hippocampal Cytokine Release in Experimental Epileptogenesisâ€”A Longitudinal In Vivo Microdialysis Study. Brain Sciences, 2022, 12, 677.	1.1	2
51	Modeling of Pneumonia and Acute Lung Injury: Bioinformatics, Systems Medicine, and Artificial Intelligence. , 2021, , 573-580.		1
52	Sepsis and Autoimmune Disease: Pathology, Systems Medicine, and Artificial Intelligence. , 2021, , 581-592.		0