Hans-Joachim Mollenkopf

List of Publications by Year
in descending order

121 papers	10,850 citations	22153 59 h-index	32842 100 g-index
126 all docs	126 docs citations	126 times ranked	16611 citing authors

#	Article	IF	Citations
1	Modelling Chlamydia and HPV co-infection in patient-derived ectocervix organoids reveals distinct cellular reprogramming. Nature Communications, 2022, 13, 1030.	12.8	32
2	BMP feed-forward loop promotes terminal differentiation in gastric glands and is interrupted by H. pylori-driven inflammation. Nature Communications, 2022, 13, 1577.	12.8	19
3	Opposing Wnt signals regulate cervical squamocolumnar homeostasis and emergence of metaplasia. Nature Cell Biology, 2021, 23, 184-197.	10.3	62
4	Toxoplasma and Eimeria co-opt the host cFos expression for intracellular development in mammalian cells. Computational and Structural Biotechnology Journal, 2021, 19, 719-731.	4.1	3
5	Lipid Storage and Interferon Response Determine the Phenotype of Ground Glass Hepatocytes in Mice and Humans. Cellular and Molecular Gastroenterology and Hepatology, 2021, 12, 383-394.	4.5	0
6	Pleiotropic Roles for the Plasmodium berghei RNA Binding Protein UIS12 in Transmission and Oocyst Maturation. Frontiers in Cellular and Infection Microbiology, 2021, 11, 624945.	3.9	11
7	Epithelial response to IFNâ€Î³ promotes SARSâ€CoVâ€2 infection. EMBO Molecular Medicine, 2021, 13, e13191.	6.9	62
8	Pro- and Antitumorigenic Capacity of Immunoproteasomes in Shaping the Tumor Microenvironment. Cancer Immunology Research, 2021, 9, 682-692.	3.4	14
9	Discovery of Zika virus host dependency factors in trophoblasts using CRISPR/Cas9 screening. Journal of Virological Methods, 2021, 290, 114085.	2.1	2
10	Cellular stress promotes NOD1/2â€dependent inflammation via the endogenous metabolite sphingosineâ€1â€phosphate. EMBO Journal, 2021, 40, e106272.	7.8	34
11	Innate-like Gene Expression of Lung-Resident Memory CD8⁺ T Cells during Experimental Human Influenza: A Clinical Study. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 826-841.	5.6	16
12	IL-13 as Target to Reduce Cholestasis and Dysbiosis in Abcb4 Knockout Mice. Cells, 2020, 9, 1949.	4.1	3
13	Platelets Restrict the Oxidative Burst in Phagocytes and Facilitate Primary Progressive Tuberculosis. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 730-744.	5.6	7
14	Stable expansion of highâ€grade serous ovarian cancer organoids requires a lowâ€Wnt environment. EMBO Journal, 2020, 39, e104013.	7.8	70
15	Systematic Evaluation of Kinetics and Distribution of Muscle and Lymph Node Activation Measured by 18F-FDG- and 11C-PBR28-PET/CT Imaging, and Whole Blood and Muscle Transcriptomics After Immunization of Healthy Humans With Adjuvanted and Unadjuvanted Vaccines. Frontiers in Immunology, 2020, 11, 613496.	4.8	8
16	The Henna pigment Lawsone activates the Aryl Hydrocarbon Receptor and impacts skin homeostasis. Scientific Reports, 2019, 9, 10878.	3.3	17
17	R-spondin-3 induces secretory, antimicrobial Lgr5+ cells in the stomach. Nature Cell Biology, 2019, 21, 812-823.	10.3	53
18	Mycofactocin Is Associated with Ethanol Metabolism in Mycobacteria. MBio, 2019, 10, .	4.1	21

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19	Chronic Chlamydia infection in human organoids increases stemness and promotes age-dependent CpG methylation. Nature Communications, 2019, 10, 1194.	12.8	76
20	<scp>cGAS</scp> facilitates sensing of extracellular cyclic dinucleotides to activate innate immunity. EMBO Reports, 2019, 20, .	4.5	53
21	Host monitoring of quorum sensing during Pseudomonas aeruginosa infection. Science, 2019, 366, .	12.6	95
22	Characterization of potential biomarkers of reactogenicity of licensed antiviral vaccines: randomized controlled clinical trials conducted by the BIOVACSAFE consortium. Scientific Reports, 2019, 9, 20362.	3.3	20
23	Helicobacter pylori Depletes Cholesterol in Gastric Glands to Prevent Interferon Gamma Signaling and Escape the Inflammatory Response. Gastroenterology, 2018, 154, 1391-1404.e9.	1.3	98
24	Long-Term Culture of Distal Airway Epithelial Cells Allows Differentiation Towards Alveolar Epithelial Cells Suited for Influenza Virus Studies. EBioMedicine, 2018, 33, 230-241.	6.1	14
25	Integration of Metabolomics and Transcriptomics Reveals a Complex Diet of Mycobacterium tuberculosis during Early Macrophage Infection. MSystems, 2017, 2, .	3.8	112
26	Stromal R-spondin orchestrates gastric epithelial stem cells and gland homeostasis. Nature, 2017, 548, 451-455.	27.8	159
27	Inhibitors of Apoptosis Protein Antagonists (Smac Mimetic Compounds) Control Polarization of Macrophages during Microbial Challenge and Sterile Inflammatory Responses. Frontiers in Immunology, 2017, 8, 1792.	4.8	14
28	Mycobacterium tuberculosis infection modulates adipose tissue biology. PLoS Pathogens, 2017, 13, e1006676.	4.7	39
29	IFNs Modify the Proteome of Legionella-Containing Vacuoles and Restrict Infection Via IRG1-Derived Itaconic Acid. PLoS Pathogens, 2016, 12, e1005408.	4.7	195
30	Developmental transcriptome of resting cell formation in Mycobacterium smegmatis. BMC Genomics, 2016, 17, 837.	2.8	30
31	Propionibacterium acnes inhibits FOXM1 and induces cell cycle alterations in human primary prostate cells. International Journal of Medical Microbiology, 2016, 306, 517-528.	3.6	14
32	Deletion of nuoG from the Vaccine Candidate Mycobacterium bovis BCG Î" ureC :: hly Improves Protection against Tuberculosis. MBio, 2016, 7, .	4.1	62
33	A novel human gastric primary cell culture system for modellingHelicobacter pyloriinfection in vitro. Gut, 2016, 65, 202-213.	12.1	195
34	Macrophages recognize theHelicobacter pylioritype IV secretion system in the absence of toll-like receptor signalling. Cellular Microbiology, 2016, 18, 137-147.	2.1	20
35	Differential transcriptomic and metabolic profiles of M. africanum- and M. tuberculosis-infected patients after, but not before, drug treatment. Genes and Immunity, 2015, 16, 347-355.	4.1	35
36	Indirect Toll-like receptor 5-mediated activation of conventional dendritic cells promotes the mucosal adjuvant activity of flagellin in the respiratory tract. Vaccine, 2015, 33, 3331-3341.	3.8	24

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37	The Notch and Wnt pathways regulate stemness and differentiation in human fallopian tube organoids. Nature Communications, 2015, 6, 8989.	12.8	354
38	Comprehensive insights into transcriptional adaptation of intracellular mycobacteria by microbe-enriched dual RNA sequencing. BMC Genomics, 2015, 16, 34.	2.8	90
39	Epigenetics and Proteomics Join Transcriptomics in the Quest for Tuberculosis Biomarkers. MBio, 2015, 6, e01187-15.	4.1	70
40	Global expression profiling reveals shared and distinct transcript signatures in arrested act2(â˜) and CDPK4(â˜) Plasmodium berghei gametocytes. Molecular and Biochemical Parasitology, 2015, 201, 100-107.	1.1	4
41	The Recombinant BCG Î”ureC::hlyVaccine Targets the AIM2 Inflammasome to Induce Autophagy and Inflammation. Journal of Infectious Diseases, 2015, 211, 1831-1841.	4.0	74
42	Pathological Impact of Hepatitis B Virus Surface Proteins on the Liver Is Associated with the Host Genetic Background. PLoS ONE, 2014, 9, e90608.	2.5	26
43	Platelets Direct Monocyte Differentiation Into Epithelioid-Like Multinucleated Giant Foam Cells With Suppressive Capacity Upon Mycobacterial Stimulation. Journal of Infectious Diseases, 2014, 210, 1700-1710.	4.0	45
44	Eimeria falciformis infection of the mouse caecum identifies opposing roles of IFNÎ³-regulated host pathways for the parasite development. Mucosal Immunology, 2014, 7, 969-982.	6.0	21
45	Type I IFN signaling triggers immunopathology in tuberculosisâ€susceptible mice by modulating lung phagocyte dynamics. European Journal of Immunology, 2014, 44, 2380-2393.	2.9	190
46	TRANSVAC workshop on standardisation and harmonisation of analytical platforms for HIV, TB and malaria vaccines: â€˜How can big data help?â€™. Vaccine, 2014, 32, 4365-4368.	3.8	4
47	AhR sensing of bacterial pigments regulates antibacterial defence. Nature, 2014, 512, 387-392.	27.8	309
48	Lung-Residing Myeloid-derived Suppressors Display Dual Functionality in Murine Pulmonary Tuberculosis. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 1053-1066.	5.6	143
49	CXCL5-secreting pulmonary epithelial cells drive destructive neutrophilic inflammation in tuberculosis. Journal of Clinical Investigation, 2014, 124, 1268-1282.	8.2	183
50	miRNA Profiling Identifies Candidate miRNAs for Bladder Cancer Diagnosis and Clinical Outcome. Journal of Molecular Diagnostics, 2013, 15, 695-705.	2.8	129
51	Direct Proteomic Quantification of the Secretome of Activated Immune Cells. Science, 2013, 340, 475-478.	12.6	174
52	The Mycobacterium tuberculosis regulatory network and hypoxia. Nature, 2013, 499, 178-183.	27.8	416
53	MicroRNA-223 controls susceptibility to tuberculosis by regulating lung neutrophil recruitment. Journal of Clinical Investigation, 2013, 123, 4836-4848.	8.2	245
54	A New Algorithm for Integrated Analysis of miRNA-mRNA Interactions Based on Individual Classification Reveals Insights into Bladder Cancer. PLoS ONE, 2013, 8, e64543.	2.5	33

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55	Comprehensive Analysis of CD4+ T Cells in the Decision between Tolerance and Immunity In Vivo Reveals a Pivotal Role for ICOS. Journal of Immunology, 2012, 189, 234-244.	0.8	20
56	Identification of Metastamirs as Metastasis-associated MicroRNAs in Clear Cell Renal Cell Carcinomas. International Journal of Biological Sciences, 2012, 8, 1363-1374.	6.4	92
57	Biphenotypic B-lymphoid/myeloid cells expressing low levels of Pax5: potential targets of BAL development. Blood, 2012, 120, 3688-3698.	1.4	35
58	Chlamydia trachomatis Disturbs Epithelial Tissue Homeostasis in Fallopian Tubes via Paracrine Wnt Signaling. American Journal of Pathology, 2012, 180, 186-198.	3.8	70
59	MiR-133b Targets Antiapoptotic Genes and Enhances Death Receptor-Induced Apoptosis. PLoS ONE, 2012, 7, e35345.	2.5	87
60	Common patterns and disease-related signatures in tuberculosis and sarcoidosis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7853-7858.	7.1	306
61	Induction of microRNA-155 is TLR- and type IV secretion system-dependent in macrophages and inhibits DNA-damage induced apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1153-62.	7.1	102
62	Propionibacterium acneshost cell tropism contributes to vimentin-mediated invasion and induction of inflammation. Cellular Microbiology, 2012, 14, 1720-1733.	2.1	43
63	Reference miRNAs for miRNAome Analysis of Urothelial Carcinomas. PLoS ONE, 2012, 7, e39309.	2.5	72
64	Prevalence of Propionibacterium acnes in diseased prostates and its inflammatory and transforming activity on prostate epithelial cells. International Journal of Medical Microbiology, 2011, 301, 69-78.	3.6	126
65	Comparative Genomics and Transcriptomics of Propionibacterium acnes. PLoS ONE, 2011, 6, e21581.	2.5	107
66	Pervasive postâ€transcriptional control of genes involved in amino acid metabolism by the Hfqâ€dependent GcvB small RNA. Molecular Microbiology, 2011, 81, 1144-1165.	2.5	191
67	Analysis of the host microRNA response toSalmonellauncovers the control of major cytokines by thelet-7family. EMBO Journal, 2011, 30, 1977-1989.	7.8	270
68	Reference genes for the relative quantification of microRNAs in renal cell carcinomas and their metastases. Analytical Biochemistry, 2011, 417, 233-241.	2.4	78
69	Functional Correlations of Pathogenesis-Driven Gene Expression Signatures in Tuberculosis. PLoS ONE, 2011, 6, e26938.	2.5	162
70	Diagnostic and prognostic implications of microRNA profiling in prostate carcinoma. International Journal of Cancer, 2010, 126, 1166-1176.	5.1	518
71	Secondary lymphoid organs are dispensable for the development of Tâ€cellâ€mediated immunity during tuberculosis. European Journal of Immunology, 2010, 40, 1663-1673.	2.9	47
72	Helicobacter pylori HP0518 affects flagellin glycosylation to alter bacterial motility. Molecular Microbiology, 2010, 78, 1130-1144.	2.5	49

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73	The microRNA miR-182 is induced by IL-2 and promotes clonal expansion of activated helper T lymphocytes. Nature Immunology, 2010, 11, 1057-1062.	14.5	304
74	Helicobacter pylori Induces miR-155 in T Cells in a cAMP-Foxp3-Dependent Manner. PLoS ONE, 2010, 5, e9500.	2.5	89
75	The adaptor molecule CARD9 is essential for tuberculosis control. Journal of Experimental Medicine, 2010, 207, 777-792.	8.5	193
76	Targeting the proteasome: partial inhibition of the proteasome by bortezomib or deletion of the immunosubunit LMP7 attenuates experimental colitis. Gut, 2010, 59, 896-906.	12.1	150
77	Mutagenesis of Propionibacterium acnes and analysis of two CAMP factor knock-out mutants. Journal of Microbiological Methods, 2010, 83, 211-216.	1.6	40
78	Serine protease activity contributes to control of Mycobacterium tuberculosis in hypoxic lung granulomas in mice. Journal of Clinical Investigation, 2010, 120, 3365-3376.	8.2	79
79	MicroRNA profiling of clear cell renal cell cancer identifies a robust signature to define renal malignancy. Journal of Cellular and Molecular Medicine, 2009, 13, 3918-3928.	3.6	217
80	Combination of host susceptibility and Mycobacterium tuberculosis virulence define gene expression profile in the host. European Journal of Immunology, 2009, 39, 3369-3384.	2.9	23
81	A Human Folliculoid Microsphere Assay for Exploring Epithelialâ€“ Mesenchymal Interactions in the Human Hair Follicle. Journal of Investigative Dermatology, 2009, 129, 972-983.	0.7	70
82	Pilin regulation in thepilTmutant ofNeisseria gonorrhoeaestrain MS11. FEMS Microbiology Letters, 2009, 296, 248-256.	1.8	22
83	The effect of hfq on global gene expression and virulence in Neisseriaâ€ƒgonorrhoeae. FEBS Journal, 2009, 276, 5507-5520.	4.7	43
84	Natural killer Tâ€cell characterization through gene expression profiling: an account of versatility bridging T helper type 1 (Th1), Th2 and Th17 immune responses. Immunology, 2008, 123, 45-56.	4.4	36
85	Restricted expression of Câ€type lectinâ€like natural killer receptors by CD8 T cells in the murine small intestine. Immunology, 2008, 125, 38-47.	4.4	4
86	Anthrax lethal toxin suppresses chemokine production in human neutrophil NB-4 cells. Biochemical and Biophysical Research Communications, 2008, 374, 288-293.	2.1	13
87	Mutation in the Transcriptional Regulator PhoP Contributes to Avirulence of Mycobacterium tuberculosis H37Ra Strain. Cell Host and Microbe, 2008, 3, 97-103.	11.0	163
88	The cyanobacterial homologue of the RNA chaperone Hfq is essential for motility of Synechocystis sp. PCC 6803. Microbiology (United Kingdom), 2008, 154, 3134-3143.	1.8	81
89	The Early Transcriptional Response of Human Granulocytes to Infection with Candida albicans Is Not Essential for Killing but Reflects Cellular Communications. Infection and Immunity, 2007, 75, 1493-1501.	2.2	33
90	The Orphan Response Regulator HP1021 of Helicobacter pylori Regulates Transcription of a Gene Cluster Presumably Involved in Acetone Metabolism. Journal of Bacteriology, 2007, 189, 2339-2349.	2.2	28

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91	Gene Expression Profiles of Chlamydophila pneumoniae during the Developmental Cycle and Iron Depletionâ€“Mediated Persistence. PLoS Pathogens, 2007, 3, e83.	4.7	95
92	Cell-specific Interleukin-15 and Interleukin-15 receptor subunit expression and regulation in pneumococcal pneumoniaâ€”Comparison to chlamydial lung infection. Cytokine, 2007, 38, 61-73.	3.2	15
93	Striptease on glass: Validation of an improved stripping procedure for in situ microarrays. Journal of Biotechnology, 2007, 128, 1-13.	3.8	6
94	Comparative transcriptional profiling of the lung reveals shared and distinct features of Streptococcus pneumoniae and influenza A virus infection. Immunology, 2007, 120, 380-391.	4.4	36
95	DNA bipyrimidine photoproduct repair and transcriptional response of UV-C irradiated Bacillus subtilis. Archives of Microbiology, 2007, 188, 421-431.	2.2	18
96	Candidate biomarkers for discrimination between infection and disease caused by Mycobacterium tuberculosis. Journal of Molecular Medicine, 2007, 85, 613-621.	3.9	211
97	Unique Transcriptome Signature of Mycobacterium tuberculosis in Pulmonary Tuberculosis. Infection and Immunity, 2006, 74, 1233-1242.	2.2	234
98	Cholesterol glucosylation promotes immune evasion by Helicobacter pylori. Nature Medicine, 2006, 12, 1030-1038.	30.7	235
99	Transcriptional responses in mouse lungs induced by vaccination with Mycobacterium bovis BCG and infection with Mycobacterium tuberculosis. Microbes and Infection, 2006, 8, 136-144.	1.9	32
100	Mycobacterium tuberculosis gene expression profiling within the context of protein networks. Microbes and Infection, 2006, 8, 747-757.	1.9	64
101	A Method for Extracting RNA from Dormant and Germinating Bacillus subtilis Strain 168 Endospores. Current Microbiology, 2006, 53, 227-231.	2.2	35
102	Alternative activation deprives macrophages of a coordinated defense program toMycobacterium tuberculosis. European Journal of Immunology, 2006, 36, 631-647.	2.9	161
103	Characterization of the ArsRS Regulon of Helicobacter pylori , Involved in Acid Adaptation. Journal of Bacteriology, 2006, 188, 3449-3462.	2.2	120
104	Rasâ€Associated Small GTPase 33A, a Novel T Cell Factor, Is Downâ€Regulated in Patients with Tuberculosis. Journal of Infectious Diseases, 2005, 192, 1211-1218.	4.0	33
105	The Type 1 Cysteinyl Leukotriene Receptor Triggers Calcium Influx and Chemotaxis in Mouse Î±Î²- and Î³Î´ Effector T Cells. Journal of Immunology, 2005, 175, 713-719.	0.8	39
106	Immune Response to Postprimary Tuberculosis in Mice:Mycobacterium tuberculosisandMiycobacterium bovisbacille Calmetteâ€ŒuÃ©rin Induce Equal Protection. Journal of Infectious Diseases, 2004, 190, 588-597.	4.0	49
107	Application of Mycobacterial Proteomics to Vaccine Design: Improved Protection by Mycobacterium bovis BCG Prime-Rv3407 DNA Boost Vaccination against Tuberculosis. Infection and Immunity, 2004, 72, 6471-6479.	2.2	93
108	Enhanced protective efficacy of a tuberculosis DNA vaccine by adsorption onto cationic PLG microparticles. Vaccine, 2004, 22, 2690-2695.	3.8	47

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109	Early granuloma formation after aerosol Mycobacterium tuberculosis infection is regulated by neutrophils via CXCR3â€signaling chemokines. European Journal of Immunology, 2003, 33, 2676-2686.	2.9	212
110	MAPPP: MHC class I antigenic peptide processing prediction. Applied Bioinformatics, 2003, 2, 155-8.	1.6	76
111	Mycobacterial proteomes. Methods in Enzymology, 2002, 358, 242-256.	1.0	8
112	Cultivation of Mycobacterium bovis BCG in bioreactors. Journal of Biotechnology, 2002, 96, 259-270.	3.8	17
113	Comparative proteome analysis of Mycobacterium tuberculosis and Mycobacterium bovis BCG strains: towards functional genomics of microbial pathogens. Molecular Microbiology, 2002, 33, 1103-1117.	2.5	303
114	Protective efficacy against tuberculosis of ESAT-6 secreted by a live Salmonella typhimurium vaccine carrier strain and expressed by naked DNA. Vaccine, 2001, 19, 4028-4035.	3.8	67
115	Identification of proteins fromMycobacterium tuberculosis missing in attenuatedMycobacterium bovis BCG strains. Electrophoresis, 2001, 22, 2936-2946.	2.4	89
116	Isolation of RNA from mycobacteria grown under in vitro and in vivo conditions. FEMS Microbiology Letters, 2000, 186, 177-180.	1.8	23
117	A dynamic two-dimensional polyacrylamide gel electrophoresis database: The mycobacterial proteomevia Internet. Electrophoresis, 1999, 20, 2172-2180.	2.4	74
118	Development of antigen-delivery systems, based on the Escherichia coli hemolysin secretion pathway. Gene, 1996, 179, 133-140.	2.2	78
119	Extracellular PagC-HlyA S fusion protein for the generation and identification of Salmonella -specific antibodies. Applied Microbiology and Biotechnology, 1996, 45, 629-637.	3.6	12
120	SlyA, a regulatory protein from Salmonella typhimurium, induces a haemolytic and pore-forming protein in Escherichia coli. Molecular Genetics and Genomics, 1995, 249, 474-486.	2.4	103
121	A topological model for the haemolysin translocator protein HlyD. Molecular Genetics and Genomics, 1992, 234, 155-163.	2.4	89