Hans-Joachim Mollenkopf

List of Publications by Year in descending order

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121 papers 10,850 citations

59 h-index 100 g-index

126 all docs

126 docs citations

126 times ranked

16611 citing authors

#	Article	IF	CITATIONS
1	Diagnostic and prognostic implications of microRNA profiling in prostate carcinoma. International Journal of Cancer, 2010, 126, 1166-1176.	5.1	518
2	The Mycobacterium tuberculosis regulatory network and hypoxia. Nature, 2013, 499, 178-183.	27.8	416
3	The Notch and Wnt pathways regulate stemness and differentiation in human fallopian tube organoids. Nature Communications, 2015, 6, 8989.	12.8	354
4	AhR sensing of bacterial pigments regulates antibacterial defence. Nature, 2014, 512, 387-392.	27.8	309
5	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
6	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
7	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
8	Analysis of the host microRNA response to <i>Salmonella</i> uncovers the control of major cytokines by the <i>let-7</i> family. EMBO Journal, 2011, 30, 1977-1989.	7.8	270
9	MicroRNA-223 controls susceptibility to tuberculosis by regulating lung neutrophil recruitment. Journal of Clinical Investigation, 2013, 123, 4836-4848.	8.2	245
10	Cholesterol glucosylation promotes immune evasion by Helicobacter pylori. Nature Medicine, 2006, 12, 1030-1038.	30.7	235
11	Unique Transcriptome Signature of Mycobacterium tuberculosis in Pulmonary Tuberculosis. Infection and Immunity, 2006, 74, 1233-1242.	2.2	234
12	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
13	Early granuloma formation after aerosol <i>Mycobacterium tuberculosis</i> infection is regulated by neutrophils via CXCR3â€signaling chemokines. European Journal of Immunology, 2003, 33, 2676-2686.	2.9	212
14	Candidate biomarkers for discrimination between infection and disease caused by Mycobacterium tuberculosis. Journal of Molecular Medicine, 2007, 85, 613-621.	3.9	211
15	IFNs Modify the Proteome of Legionella-Containing Vacuoles and Restrict Infection Via IRG1-Derived Itaconic Acid. PLoS Pathogens, 2016, 12, e1005408.	4.7	195
16	A novel human gastric primary cell culture system for modelling <i>Helicobacter pylori </i> in vitro. Gut, 2016, 65, 202-213.	12.1	195
17	The adaptor molecule CARD9 is essential for tuberculosis control. Journal of Experimental Medicine, 2010, 207, 777-792.	8.5	193
18	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

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19	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
20	CXCL5-secreting pulmonary epithelial cells drive destructive neutrophilic inflammation in tuberculosis. Journal of Clinical Investigation, 2014, 124, 1268-1282.	8.2	183
21	Direct Proteomic Quantification of the Secretome of Activated Immune Cells. Science, 2013, 340, 475-478.	12.6	174
22	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
23	Functional Correlations of Pathogenesis-Driven Gene Expression Signatures in Tuberculosis. PLoS ONE, 2011, 6, e26938.	2.5	162
24	Alternative activation deprives macrophages of a coordinated defense program to Mycobacterium tuberculosis. European Journal of Immunology, 2006, 36, 631-647.	2.9	161
25	Stromal R-spondin orchestrates gastric epithelial stem cells and gland homeostasis. Nature, 2017, 548, 451-455.	27.8	159
26	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
27	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
28	miRNA Profiling Identifies Candidate miRNAs for Bladder Cancer Diagnosis and Clinical Outcome. Journal of Molecular Diagnostics, 2013, 15, 695-705.	2.8	129
29	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
30	Characterization of the ArsRS Regulon of Helicobacter pylori , Involved in Acid Adaptation. Journal of Bacteriology, 2006, 188, 3449-3462.	2.2	120
31	Integration of Metabolomics and Transcriptomics Reveals a Complex Diet of Mycobacterium tuberculosis during Early Macrophage Infection. MSystems, 2017, 2, .	3.8	112
32	Comparative Genomics and Transcriptomics of Propionibacterium acnes. PLoS ONE, 2011, 6, e21581.	2.5	107
33	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
34	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
35	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
36	Gene Expression Profiles of Chlamydophila pneumoniae during the Developmental Cycle and Iron Depletion–Mediated Persistence. PLoS Pathogens, 2007, 3, e83.	4.7	95

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37	Host monitoring of quorum sensing during <i>Pseudomonas aeruginosa</i> infection. Science, 2019, 366, .	12.6	95
38	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
39	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
40	Comprehensive insights into transcriptional adaptation of intracellular mycobacteria by microbe-enriched dual RNA sequencing. BMC Genomics, 2015, 16, 34.	2.8	90
41	A topological model for the haemolysin translocator protein HlyD. Molecular Genetics and Genomics, 1992, 234, 155-163.	2.4	89
42	Identification of proteins fromMycobacterium tuberculosis missing in attenuatedMycobacterium bovis BCG strains. Electrophoresis, 2001, 22, 2936-2946.	2.4	89
43	Helicobacter pylori Induces miR-155 in T Cells in a cAMP-Foxp3-Dependent Manner. PLoS ONE, 2010, 5, e9500.	2.5	89
44	MiR-133b Targets Antiapoptotic Genes and Enhances Death Receptor-Induced Apoptosis. PLoS ONE, 2012, 7, e35345.	2.5	87
45	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
46	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
47	Development of antigen-delivery systems, based on the Escherichia coli hemolysin secretion pathway. Gene, 1996, 179, 133-140.	2.2	78
48	Reference genes for the relative quantification of microRNAs in renal cell carcinomas and their metastases. Analytical Biochemistry, 2011, 417, 233-241.	2.4	78
49	Chronic Chlamydia infection in human organoids increases stemness and promotes age-dependent CpG methylation. Nature Communications, 2019, 10, 1194.	12.8	76
50	MAPPP: MHC class I antigenic peptide processing prediction. Applied Bioinformatics, 2003, 2, 155-8.	1.6	76
51	A dynamic two-dimensional polyacrylamide gel electrophoresis database: The mycobacterial proteomevia Internet. Electrophoresis, 1999, 20, 2172-2180.	2.4	74
52	The Recombinant BCG \hat{l} 's ureC::hly l 'i > Vaccine Targets the AlM2 Inflammasome to Induce Autophagy and Inflammation. Journal of Infectious Diseases, 2015, 211, 1831-1841.	4.0	74
53	Reference miRNAs for miRNAome Analysis of Urothelial Carcinomas. PLoS ONE, 2012, 7, e39309.	2.5	72
54	A Human Folliculoid Microsphere Assay for Exploring Epithelial– Mesenchymal Interactions in the Human Hair Follicle. Journal of Investigative Dermatology, 2009, 129, 972-983.	0.7	70

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55	Chlamydia trachomatis Disturbs Epithelial Tissue Homeostasis in Fallopian Tubes via Paracrine Wnt Signaling. American Journal of Pathology, 2012, 180, 186-198.	3.8	70
56	Epigenetics and Proteomics Join Transcriptomics in the Quest for Tuberculosis Biomarkers. MBio, 2015, 6, e01187-15.	4.1	70
57	Stable expansion of highâ€grade serous ovarian cancer organoids requires a lowâ€Wnt environment. EMBO Journal, 2020, 39, e104013.	7.8	70
58	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
59	Mycobacterium tuberculosis gene expression profiling within the context of protein networks. Microbes and Infection, 2006, 8, 747-757.	1.9	64
60	Deletion of <i>nuoG</i> from the Vaccine Candidate Mycobacterium bovis BCG \hat{l} " <i>ureC</i> :: <i>hly</i> lmproves Protection against Tuberculosis. MBio, 2016, 7, .	4.1	62
61	Opposing Wnt signals regulate cervical squamocolumnar homeostasis and emergence of metaplasia. Nature Cell Biology, 2021, 23, 184-197.	10.3	62
62	Epithelial response to IFNâ€Î³ promotes SARSâ€CoVâ€2 infection. EMBO Molecular Medicine, 2021, 13, e13191.	6.9	62
63	R-spondin-3 induces secretory, antimicrobial Lgr5+ cells in the stomach. Nature Cell Biology, 2019, 21, 812-823.	10.3	53
64	<scp>cGAS</scp> facilitates sensing of extracellular cyclic dinucleotides to activate innate immunity. EMBO Reports, 2019, 20, .	4.5	53
65	Immune Response to Postprimary Tuberculosis in Mice:Mycobacterium tuberculosisandMiycobacterium bovisbacille Calmetteâ€Guérin Induce Equal Protection. Journal of Infectious Diseases, 2004, 190, 588-597.	4.0	49
66	<i>Helicobacter pylori</i> HP0518 affects flagellin glycosylation to alter bacterial motility. Molecular Microbiology, 2010, 78, 1130-1144.	2.5	49
67	Enhanced protective efficacy of a tuberculosis DNA vaccine by adsorption onto cationic PLG microparticles. Vaccine, 2004, 22, 2690-2695.	3.8	47
68	Secondary lymphoid organs are dispensable for the development of Tâ€eellâ€mediated immunity during tuberculosis. European Journal of Immunology, 2010, 40, 1663-1673.	2.9	47
69	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
70	The effect of <i>hfq</i> on global gene expression and virulence in <i>Neisseriaâ€∫gonorrhoeae</i> FEBS Journal, 2009, 276, 5507-5520.	4.7	43
71	<i>Propionibacterium acnes</i> host cell tropism contributes to vimentin-mediated invasion and induction of inflammation. Cellular Microbiology, 2012, 14, 1720-1733.	2.1	43
72	Mutagenesis of Propionibacterium acnes and analysis of two CAMP factor knock-out mutants. Journal of Microbiological Methods, 2010, 83, 211-216.	1.6	40

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73	The Type 1 Cysteinyl Leukotriene Receptor Triggers Calcium Influx and Chemotaxis in Mouse $\hat{l}\pm\hat{l}^2$ - and $\hat{l}^3\hat{l}'$ Effector T Cells. Journal of Immunology, 2005, 175, 713-719.	0.8	39
74	Mycobacterium tuberculosis infection modulates adipose tissue biology. PLoS Pathogens, 2017, 13, e1006676.	4.7	39
7 5	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
76	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
77	A Method for Extracting RNA from Dormant and Germinating Bacillus subtilis Strain 168 Endospores. Current Microbiology, 2006, 53, 227-231.	2.2	35
78	Biphenotypic B-lymphoid/myeloid cells expressing low levels of Pax5: potential targets of BAL development. Blood, 2012, 120, 3688-3698.	1.4	35
79	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
80	Cellular stress promotes NOD1/2â€dependent inflammation via the endogenous metabolite sphingosineâ€1â€phosphate. EMBO Journal, 2021, 40, e106272.	7.8	34
81	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
82	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
83	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
84	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
85	Modelling Chlamydia and HPV co-infection in patient-derived ectocervix organoids reveals distinct cellular reprogramming. Nature Communications, 2022, 13, 1030.	12.8	32
86	Developmental transcriptome of resting cell formation in Mycobacterium smegmatis. BMC Genomics, 2016, 17, 837.	2.8	30
87	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
88	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
89	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
90	Isolation of RNA from mycobacteria grown under in vitro and in vivo conditions. FEMS Microbiology Letters, 2000, 186, 177-180.	1.8	23

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91	Combination of host susceptibility and <i>Mycobacterium tuberculosis</i> virulence define gene expression profile in the host. European Journal of Immunology, 2009, 39, 3369-3384.	2.9	23
92	Pilin regulation in the <i>pilT </i> mutant of <i>Neisseria gonorrhoeae </i> strain MS11. FEMS Microbiology Letters, 2009, 296, 248-256.	1.8	22
93	Eimeria falciformis infection of the mouse caecum identifies opposing roles of IFN \hat{i}^3 -regulated host pathways for the parasite development. Mucosal Immunology, 2014, 7, 969-982.	6.0	21
94	Mycofactocin Is Associated with Ethanol Metabolism in Mycobacteria. MBio, 2019, 10, .	4.1	21
95	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
96	Macrophages recognize the Helicobacter pyloritype IV secretion system in the absence of toll-like receptor signalling. Cellular Microbiology, 2016, 18, 137-147.	2.1	20
97	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
98	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
99	DNA bipyrimidine photoproduct repair and transcriptional response of UV-C irradiated Bacillus subtilis. Archives of Microbiology, 2007, 188, 421-431.	2.2	18
100	Cultivation of Mycobacterium bovis BCG in bioreactors. Journal of Biotechnology, 2002, 96, 259-270.	3.8	17
101	The Henna pigment Lawsone activates the Aryl Hydrocarbon Receptor and impacts skin homeostasis. Scientific Reports, 2019, 9, 10878.	3.3	17
102	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
103	Cell-specific Interleukin-15 and Interleukin-15 receptor subunit expression and regulation in pneumococcal pneumonia—Comparison to chlamydial lung infection. Cytokine, 2007, 38, 61-73.	3.2	15
104	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
105	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
106	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
107	Pro- and Antitumorigenic Capacity of Immunoproteasomes in Shaping the Tumor Microenvironment. Cancer Immunology Research, 2021, 9, 682-692.	3.4	14
108	Anthrax lethal toxin suppresses chemokine production in human neutrophil NB-4 cells. Biochemical and Biophysical Research Communications, 2008, 374, 288-293.	2.1	13

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109	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
110	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
111	Mycobacterial proteomes. Methods in Enzymology, 2002, 358, 242-256.	1.0	8
112	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
113	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
114	Striptease on glass: Validation of an improved stripping procedure for in situ microarrays. Journal of Biotechnology, 2007, 128, 1-13.	3.8	6
115	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
116	TRANSVAC workshop on standardisation and harmonisation of analytical platforms for HIV, TB and malaria vaccines: †How can big data help?'. Vaccine, 2014, 32, 4365-4368.	3.8	4
117	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
118	IL-13 as Target to Reduce Cholestasis and Dysbiosis in Abcb4 Knockout Mice. Cells, 2020, 9, 1949.	4.1	3
119	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
120	Discovery of Zika virus host dependency factors in trophoblasts using CRISPR/Cas9 screening. Journal of Virological Methods, 2021, 290, 114085.	2.1	2
121	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	O