Christoph HÃ¶lscher

List of Publications by Year
in descending order

107	9,001	61945 43	42364 92
papers	citations	h-index	g-index

112	112	112	13091
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microglia emerge from erythromyeloid precursors via Pu.1- and Irf8-dependent pathways. Nature Neuroscience, 2013, 16, 273-280.	7.1	1,121
2	Alternative Macrophage Activation Is Essential for Survival during Schistosomiasis and Downmodulates T Helper 1 Responses and Immunopathology. Immunity, 2004, 20, 623-635.	6.6	651
3	Regulated Expression of Nuclear Receptor RORÎ³t Confers Distinct Functional Fates to NK Cell Receptor-Expressing RORÎ³t+ Innate Lymphocytes. Immunity, 2010, 33, 736-751.	6.6	603
4	Cutting Edge: Toll-Like Receptor (TLR)2- and TLR4-Mediated Pathogen Recognition in Resistance to Airborne Infection with Mycobacterium tuberculosis. Journal of Immunology, 2002, 169, 3480-3484.	0.4	411
5	Neutralization of the IL-17 axis diminishes neutrophil invasion and protects from ischemic stroke. Blood, 2012, 120, 3793-3802.	0.6	374
6	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.	3.3	306
7	Adjuvanticity of a synthetic cord factor analogue for subunit Mycobacterium tuberculosis vaccination requires FcRÎ³â€“Sykâ€“Card9â€“dependent innate immune activation. Journal of Experimental Medicine, 2009, 206, 89-97.	4.2	290
8	The IL-27 Receptor Chain WSX-1 Differentially Regulates Antibacterial Immunity and Survival during Experimental Tuberculosis. Journal of Immunology, 2005, 174, 3534-3544.	0.4	263
9	Interleukin (IL)-23 mediates Toxoplasma gondiiâ€“induced immunopathology in the gut via matrixmetalloproteinase-2 and IL-22 but independent of IL-17. Journal of Experimental Medicine, 2009, 206, 3047-3059.	4.2	262
10	Interferon-Î» and interleukin 22 act synergistically for the induction of interferon-stimulated genes and control of rotavirus infection. Nature Immunology, 2015, 16, 698-707.	7.0	252
11	Defective Nitric Oxide Effector Functions Lead to Extreme Susceptibility ofTrypanosoma cruzi-Infected Mice Deficient in Gamma Interferon Receptor or Inducible Nitric Oxide Synthase. Infection and Immunity, 1998, 66, 1208-1215.	1.0	239
12	A Protective and Agonistic Function of IL-12p40 in Mycobacterial Infection. Journal of Immunology, 2001, 167, 6957-6966.	0.4	208
13	The IL-23/Th17 Axis Contributes to Renal Injury in Experimental Glomerulonephritis. Journal of the American Society of Nephrology: JASN, 2009, 20, 969-979.	3.0	205
14	Leishmania disease development depends on the presence of apoptotic promastigotes in the virulent inoculum. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13837-13842.	3.3	179
15	Crowd behaviour during high-stress evacuations in an immersive virtual environment. Journal of the Royal Society Interface, 2016, 13, 20160414.	1.5	163
16	Containment of aerogenic Mycobacterium tuberculosis infection in mice does not require MyD88 adaptor function for TLR2, â€4 and â€9. European Journal of Immunology, 2008, 38, 680-694.	1.6	158
17	Tumor Necrosis Factor Alpha-Mediated Toxic Shock in Trypanosoma cruzi -Infected Interleukin 10-Deficient Mice. Infection and Immunity, 2000, 68, 4075-4083.	1.0	146
18	The Lymphotoxin Î² Receptor Is Critically Involved in Controlling Infections with the Intracellular Pathogens Mycobacterium tuberculosis and Listeria monocytogenes. Journal of Immunology, 2003, 170, 5210-5218.	0.4	134

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19	Autocrine IL-10 Induces Hallmarks of Alternative Activation in Macrophages and Suppresses Antituberculosis Effector Mechanisms without Compromising T Cell Immunity. Journal of Immunology, 2009, 183, 1301-1312.	0.4	130
20	IL-17A is produced by Th17, ÂÂ T cells and other CD4- lymphocytes during infection with Salmonella enterica serovar Enteritidis and has a mild effect in bacterial clearance. International Immunology, 2008, 20, 1129-1138.	1.8	113
21	An Interleukin-6 Receptor-dependent Molecular Switch Mediates Signal Transduction of the IL-27 Cytokine Subunit p28 (IL-30) via a gp130 Protein Receptor Homodimer. Journal of Biological Chemistry, 2013, 288, 4346-4354.	1.6	112
22	The power of combinatorial immunology: IL-12 and IL-12-related dimeric cytokines in infectious diseases. Medical Microbiology and Immunology, 2004, 193, 1-17.	2.6	110
23	Protective Immunity to Systemic Infection with AttenuatedSalmonella entericaserovar Enteritidis in the Absence of IL-12 Is Associated with IL-23-Dependent IL-22, but Not IL-17. Journal of Immunology, 2008, 181, 7891-7901.	0.4	110
24	Impairment of Alternative Macrophage Activation Delays Cutaneous Leishmaniasis in Nonhealing BALB/c Mice. Journal of Immunology, 2006, 176, 1115-1121.	0.4	104
25	The<scp>IL</scp>â€13/<scp>ILâ€4R</scp>Î±axis is involved in tuberculosisâ€associated pathology. Journal of Pathology, 2014, 234, 338-350.	2.1	102
26	IL-12-Independent IFN-Î³ Production by T Cells in Experimental Chagasâ€™ Disease Is Mediated by IL-18. Journal of Immunology, 2001, 167, 3346-3353.	0.4	94
27	DNA Damage Signaling Instructs Polyploid Macrophage Fate in Granulomas. Cell, 2016, 167, 1264-1280.e18.	13.5	94
28	IL-4 Receptor Signaling in Clara Cells Is Required for Allergen-Induced Mucus Production. Journal of Immunology, 2005, 175, 3746-3752.	0.4	89
29	IL-17A is functionally relevant and a potential therapeutic target in bullous pemphigoid. Journal of Autoimmunity, 2019, 96, 104-112.	3.0	85
30	Mincle is not essential for controlling Mycobacterium tuberculosis infection. Immunobiology, 2013, 218, 506-516.	0.8	82
31	Interleukin-4 Receptor Alpha-Deficient BALB/c Mice Show an Unimpaired T Helper 2 Polarization in Response to Leishmania major Infection. Infection and Immunity, 2000, 68, 1773-1780.	1.0	72
32	IL-10â€“producing Tfh cells accumulate with age and link inflammation with age-related immune suppression. Science Advances, 2020, 6, eabb0806.	4.7	67
33	Phenotypical Characterization of Human Th17 Cells Unambiguously Identified by Surface IL-17A Expression. Journal of Immunology, 2009, 183, 5494-5501.	0.4	65
34	Surface hydrolysis of sphingomyelin by the outer membrane protein <scp>R</scp>v0888 supports replication of <scp>M</scp>ycobacterium tuberculosis in macrophages. Molecular Microbiology, 2015, 97, 881-897.	1.2	63
35	Deletion of IL-4RÎ± on CD4 T Cells Renders BALB/c Mice Resistant to Leishmania major Infection. PLoS Pathogens, 2007, 3, e68.	2.1	61
36	MyDths and un-TOLLed truths: Sensor, instructive and effector immunity to tuberculosis. Immunology Letters, 2008, 116, 15-23.	1.1	61

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37	Concerted action of perforin and granzymes is critical for the elimination of Trypanosoma cruzi from mouse tissues, but prevention of early host death is in addition dependent onthe FasL/Fas pathway. European Journal of Immunology, 2003, 33, 70-78.	1.6	58
38	No inhibition of IL-27 signaling by soluble gp130. Biochemical and Biophysical Research Communications, 2005, 326, 724-728.	1.0	58
39	Alternatively activated macrophages express the IL-27 receptor alpha chain WSX-1. Immunobiology, 2006, 211, 427-436.	0.8	58
40	Therapeutic targeting of interleukin-6 trans-signaling does not affect the outcome of experimental tuberculosis. Immunobiology, 2012, 217, 996-1004.	0.8	52
41	Wayfinding as a Social Activity. Frontiers in Psychology, 2019, 10, 142.	1.1	51
42	IL-17A promotes macrophage effector mechanisms against Trypanosoma cruzi by trapping parasites in the endolysosomal compartment. Immunobiology, 2013, 218, 910-923.	0.8	46
43	NALP3 is not necessary for early protection against experimental tuberculosis. Immunobiology, 2010, 215, 804-811.	0.8	45
44	IgG Fc sialylation is regulated during the germinal center reaction following immunization with different adjuvants. Journal of Allergy and Clinical Immunology, 2020, 146, 652-666.e11.	1.5	45
45	Poly(inosinic-cytidylic) Acidâ€“Triggered Exacerbation of Experimental Asthma Depends on IL-17A Produced by NK Cells. Journal of Immunology, 2015, 194, 5615-5625.	0.4	44
46	IL-22 Is Mainly Produced by IFNÎ³-Secreting Cells but Is Dispensable for Host Protection against Mycobacterium tuberculosis Infection. PLoS ONE, 2013, 8, e57379.	1.1	41
47	Corticosteroids inhibit Mycobacterium tuberculosis-induced necrotic host cell death by abrogating mitochondrial membrane permeability transition. Nature Communications, 2019, 10, 688.	5.8	40
48	Dendritic Cell-Derived IL-12p40 Homodimer Contributes to Susceptibility in Cutaneous Leishmaniasis in BALB/c Mice. Journal of Immunology, 2007, 178, 7251-7258.	0.4	39
49	Interleukin-15 mediates protection against experimental tuberculosis: A role for NKG2D-dependent effector mechanisms of CD8+ Tâ€„cells. European Journal of Immunology, 2006, 36, 1156-1167.	1.6	38
50	De Novo Fatty Acid Synthesis During Mycobacterial Infection Is a Prerequisite for the Function of Highly Proliferative T Cells, But Not for Dendritic Cells or Macrophages. Frontiers in Immunology, 2018, 9, 495.	2.2	36
51	9- and 11-substituted 4-azapaullones are potent and selective inhibitors of African trypanosoma. European Journal of Medicinal Chemistry, 2014, 83, 274-283.	2.6	33
52	Selectin Ligand-Independent Priming and Maintenance of T Cell Immunity during Airborne Tuberculosis. Journal of Immunology, 2006, 176, 1131-1140.	0.4	31
53	MyD88/IL-18-dependent pathways rather than TLRs control early parasitaemia in non-lethal Plasmodium yoelii infection. Microbes and Infection, 2008, 10, 1259-1265.	1.0	30
54	Analyzing Classical and Alternative Macrophage Activation in Macrophage/Neutrophil-Specific IL-4 Receptor-Alpha-Deficient Mice. Methods in Molecular Biology, 2009, 531, 225-252.	0.4	30

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55	Neighborhood environments influence emotion and physiological reactivity. Scientific Reports, 2019, 9, 9498.	1.6	28
56	Assessing crowd management strategies for the 2010 Love Parade disaster using computer simulations and virtual reality. Journal of the Royal Society Interface, 2020, 17, 20200116.	1.5	28
57	The increased protection and pathology in Mycobacterium tuberculosis-infected IL-27R-alpha-deficient mice is supported by IL-17A and is associated with the IL-17A-induced expansion of multifunctional T cells. Mucosal Immunology, 2018, 11, 1168-1180.	2.7	27
58	Rapid Rebound of the Treg Compartment in DEREG Mice Limits the Impact of Treg Depletion on Mycobacterial Burden, but Prevents Autoimmunity. PLoS ONE, 2014, 9, e102804.	1.1	24
59	TLR9-Dependent and Independent Pathways Drive Activation of the Immune System by Propionibacterium Acnes. PLoS ONE, 2012, 7, e39155.	1.1	24
60	Fire evacuation supported by centralized and decentralized visual guidance systems. Safety Science, 2022, 145, 105451.	2.6	24
61	Arginase-1 Is Responsible for IL-13-Mediated Susceptibility to Trypanosoma cruzi Infection. Frontiers in Immunology, 2018, 9, 2790.	2.2	19
62	Differing Outcome of Experimental Autoimmune Encephalitis in Macrophage/Neutrophil- and T Cell-Specific gp130-Deficient Mice. Frontiers in Immunology, 2018, 9, 836.	2.2	19
63	Evaluation of Control Interfaces for Desktop Virtual Environments. Presence: Teleoperators and Virtual Environments, 2015, 24, 322-334.	0.3	18
64	Epsteinâ€“<scp>B</scp>arr virusâ€induced gene 3 suppresses <scp>T</scp> helper type 1, type 17 and type 2 immune responses after <scp>T</scp>rypanosoma cruzi infection and inhibits parasite replication by interfering with alternative macrophage activation. Immunology, 2016, 147, 338-348.	2.0	18
65	IL-23 prevents IL-13-dependent tissue repair associated with Ly6C lo monocytes in Entamoeba histolytica -induced liver damage. Journal of Hepatology, 2016, 64, 1147-1157.	1.8	18
66	Monocyte progenitors give rise to multinucleated giant cells. Nature Communications, 2021, 12, 2027.	5.8	18
67	gp130 on macrophages/granulocytes modulates inflammation during experimental tuberculosis. European Journal of Cell Biology, 2011, 90, 505-514.	1.6	17
68	The acquisition of survey knowledge for local and global landmark configurations under time pressure. Spatial Cognition and Computation, 2019, 19, 190-219.	0.6	17
69	The interaction between map complexity and crowd movement on navigation decisions in virtual reality. Royal Society Open Science, 2020, 7, 191523.	1.1	17
70	WNT6/ACC2-induced storage of triacylglycerols in macrophages is exploited by Mycobacterium tuberculosis. Journal of Clinical Investigation, 2021, 131, .	3.9	17
71	POE 2.0: exploring the potential of social media for capturing unsolicited post-occupancy evaluations. Intelligent Buildings International, 2013, 5, 162-180.	1.3	16
72	Altered mucosal immune response after acute lung injury in a murine model of Ataxia Telangiectasia. BMC Pulmonary Medicine, 2014, 14, 93.	0.8	16

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73	Integrating High-Resolution MALDI Imaging into the Development Pipeline of Anti-Tuberculosis Drugs. Journal of the American Society for Mass Spectrometry, 2020, 31, 2277-2286.	1.2	15
74	Cell-autonomous hepatocyte-specific GP130 signaling is sufficient to trigger a robust innate immune response in mice. Journal of Hepatology, 2021, 74, 407-418.	1.8	15
75	Blocking IL-10 receptor signaling ameliorates Mycobacterium tuberculosis infection during influenza-induced exacerbation. JCI Insight, 2019, 4, .	2.3	15
76	During acute experimental infection with the reticulotropic Trypanosoma cruzi strain Tulahuen IL-22 is induced IL-23-dependently but is dispensable for protection. Scientific Reports, 2016, 6, 32927.	1.6	14
77	Virtual Reality Experiments with Physiological Measures. Journal of Visualized Experiments, 2018, , .	0.2	14
78	Display clutter and its effects on visual attention distribution and financial risk judgment. Applied Ergonomics, 2019, 80, 168-174.	1.7	14
79	IL-6 Is Not Absolutely Essential for the Development of a TH17 Immune Response after an Aerosol Infection with Mycobacterium tuberculosis H37rv. Cells, 2021, 10, 9.	1.8	14
80	TGF-Î²â€“Responsive Myeloid Cells Suppress Type 2 Immunity and Emphysematous Pathology after Hookworm Infection. American Journal of Pathology, 2012, 181, 897-906.	1.9	13
81	Phagosomes Induced by Cytokines Function as anti-Listeria Vaccines. Journal of Biological Chemistry, 2012, 287, 14310-14324.	1.6	12
82	A Mutation inIL4RAIs Associated with the Degree of Pathology in Human TB Patients. Mediators of Inflammation, 2016, 2016, 1-9.	1.4	12
83	Suppressor of Cytokine Signaling 3 in Macrophages Prevents Exacerbated Interleukin-6-Dependent Arginase-1 Activity and Early Permissiveness to Experimental Tuberculosis. Frontiers in Immunology, 2017, 8, 1537.	2.2	12
84	Do Anti-tuberculosis Drugs Reach Their Target?â€€High-Resolution Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging Provides Information on Drug Penetration into Necrotic Granulomas. Analytical Chemistry, 2022, 94, 5483-5492.	3.2	12
85	The Role of gp130 Cytokines in Tuberculosis. Cells, 2020, 9, 2695.	1.8	11
86	DAP10 contributes to CD8+ T cell-mediated cytotoxic effector mechanisms during Mycobacterium tuberculosis infection. Immunobiology, 2011, 216, 639-647.	0.8	10
87	Immunosuppression in Experimental Chagas Disease Is Mediated by an Alteration of Bone Marrow Stromal Cell Function During the Acute Phase of Infection. Frontiers in Immunology, 2018, 9, 2794.	2.2	10
88	Tuberculostearic Acid-Containing Phosphatidylinositols as Markers of Bacterial Burden in Tuberculosis. ACS Infectious Diseases, 2022, 8, 1303-1315.	1.8	9
89	A Networked Desktop Virtual Reality Setup for Decision Science and Navigation Experiments with Multiple Participants. Journal of Visualized Experiments, 2018, , .	0.2	8
90	Gasdermin D mediates host cell death but not interleukin-1Î² secretion in Mycobacterium tuberculosis-infected macrophages. Cell Death Discovery, 2021, 7, 327.	2.0	8

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91	Interleukin-12p40 mediates transient protection against Mycobacterium avium infection in the absence of interleukin-12. Immunobiology, 2005, 210, 217-227.	0.8	7
92	Fucosyltransferase IV and VII-directed selectin ligand function determines long-term survival in experimental tuberculosis. Immunobiology, 2009, 214, 674-682.	0.8	7
93	Chemical p38 MAP kinase inhibition constrains tissue inflammation and improves antibiotic activity in Mycobacterium tuberculosis-infected mice. Scientific Reports, 2020, 10, 13629.	1.6	7
94	Visibility matters during wayfinding in the vertical. Scientific Reports, 2021, 11, 18980.	1.6	5
95	Comparing Human Wayfinding Behavior Between a Real, Existing Building, a Virtual Replica, and Two Architectural Redesigns. Lecture Notes in Computer Science, 2020, , 160-179.	1.0	5
96	Long term substitution and specific immune responses after transfer of bovine peripheral blood lymphocytes into severe combined immunodeficient mice. Veterinary Immunology and Immunopathology, 1999, 70, 67-83.	0.5	4
97	A cognitive model for routing in agent-based modelling. AIP Conference Proceedings, 2019, , .	0.3	4
98	Interleukin-23 instructs protective multifunctional CD4 T cell responses after immunization with the Mycobacterium tuberculosis subunit vaccine H1 DDA/TDB independently of interleukin-17A. Journal of Molecular Medicine, 2021, 99, 1585-1602.	1.7	4
99	Targeting IL-23 in autoimmunity. Current Opinion in Investigational Drugs, 2005, 6, 489-95.	2.3	4
100	Interleukin-13-Overexpressing Mice Represent an Advanced Preclinical Model for Detecting the Distribution of Antimycobacterial Drugs within Centrally Necrotizing Granulomas. Antimicrobial Agents and Chemotherapy, 2022, 66, AAC0158821.	1.4	2
101	Measuring Immune Responses In Vivo. Methods in Microbiology, 2010, 37, 227-269.	0.4	1
102	Interleukin-27 in Tuberculosis: A Sheep in Wolfâ€™s Clothing?. Frontiers in Immunology, 2021, 12, 810602.	2.2	1
103	Architectural cognition cards: a card-based method for introducing spatial cognition research and user-centred thinking into the design process. Architectural Science Review, 0, , 1-18.	1.1	1
104	Aptamers against interleukin-12-related cytokines as novel therapeutics in autoimmune diseases. Expert Opinion on Therapeutic Patents, 2006, 16, 1025-1030.	2.4	0
105	Indoor Wayfinding: Interview with Christoph HÃ¶lscher and Ruth Conroy Dalton. KI - Kunstliche Intelligenz, 2017, 31, 185-191.	2.2	0
106	DGCR8 deficiency impairs macrophage growth and unleashes the interferon response to mycobacteria. Life Science Alliance, 2021, 4, e202000810.	1.3	0
107	Collective Intelligence during Emergency Egress: The Mechanisms Underlying Altruistic Information Exchange. International Journal of Human-Computer Interaction, 2023, 39, 2876-2892.	3.3	0