Michael Poidinger

List of Publications by Year
in descending order

91 papers	13,496 citations	38742 50 h-index	45317 90 g-index
93 all docs	93 docs citations	93 times ranked	25008 citing authors

#	Article	IF	Citations
1	Histone acetylome-wide associations in immune cells from individuals with active Mycobacterium tuberculosis infection. Nature Microbiology, 2022, 7, 312-326.	13.3	9
2	Inverse association of FCER1A allergy variant in monocytes and plasmacytoid dendritic cells. Journal of Allergy and Clinical Immunology, 2021, 147, 1510-1513.e8.	2.9	4
3	FUT6 deficiency compromises basophil function by selectively abrogating their sialyl-Lewis x expression. Communications Biology, 2021, 4, 832.	4.4	7
4	Endoplasmic reticulum stress response and bile acid signatures associate with multi-strain seroresponsiveness during elderly influenza vaccination. IScience, 2021, 24, 102970.	4.1	5
5	miR-181a Modulation of ERK-MAPK Signaling Sustains DC-SIGN Expression and Limits Activation of Monocyte-Derived Dendritic Cells. Cell Reports, 2020, 30, 3793-3805.e5.	6.4	14
6	Circulating CD1c+ myeloid dendritic cells are potential precursors to LCH lesion CD1a+CD207+ cells. Blood Advances, 2020, 4, 87-99.	5.2	25
7	Resistin expression in human monocytes is controlled by two linked promoter SNPs mediating NFKB p50/p50 binding and C-methylation. Scientific Reports, 2019, 9, 15245.	3.3	8
8	RNA-Seq Signatures Normalized by mRNA Abundance Allow Absolute Deconvolution of Human Immune Cell Types. Cell Reports, 2019, 26, 1627-1640.e7.	6.4	590
9	Two distinct interstitial macrophage populations coexist across tissues in specific subtissular niches. Science, 2019, 363, .	12.6	676
10	A Subset of Type I Conventional Dendritic Cells Controls Cutaneous Bacterial Infections through VEGFÎ±-Mediated Recruitment of Neutrophils. Immunity, 2019, 50, 1069-1083.e8.	14.3	50
11	Multifactorial heterogeneity of virus-specific T cells and association with the progression of human chronic hepatitis B infection. Science Immunology, 2019, 4, .	11.9	57
12	Mapping of Î³/Î´ T cells reveals VÎ´2+ T cells resistance to senescence. EBioMedicine, 2019, 39, 44-58.	6.1	54
13	The tumour microenvironment creates a niche for the self-renewal of tumour-promoting macrophages in colon adenoma. Nature Communications, 2018, 9, 582.	12.8	76
14	Advantages of meta-total RNA sequencing (MeTRS) over shotgun metagenomics and amplicon-based sequencing in the profiling of complex microbial communities. Npj Biofilms and Microbiomes, 2018, 4, 2.	6.4	65
15	Brief report: Decreased expression of CD244 (SLAMF4) on monocytes and platelets in patients with systemic lupus erythematosus. Clinical Rheumatology, 2018, 37, 811-816.	2.2	12
16	Ezh2 Controls Skin Tolerance through Distinct Mechanisms in Different Subsets of Skin Dendritic Cells. IScience, 2018, 10, 23-39.	4.1	12
17	Streamlining volumetric multi-channel image cytometry using hue-saturation-brightness-based surface creation. Communications Biology, 2018, 1, 136.	4.4	8
18	Induction of Human T-cell and Cytokine Responses Following Vaccination with a Novel Influenza Vaccine. Scientific Reports, 2018, 8, 18007.	3.3	33

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19	Influenza Vaccine-Induced Antibody Responses Are Not Impaired by Frailty in the Community-Dwelling Elderly With Natural Influenza Exposure. Frontiers in Immunology, 2018, 9, 2465.	4.8	34
20	Healthy elderly Singaporeans show no age-related humoral hyporesponsiveness nor diminished plasmablast generation in response to influenza vaccine. Immunity and Ageing, 2018, 15, 28.	4.2	10
21	Experimental evolution of a fungal pathogen into a gut symbiont. Science, 2018, 362, 589-595.	12.6	184
22	Bystander CD8+ T cells are abundant and phenotypically distinct in human tumour infiltrates. Nature, 2018, 557, 575-579.	27.8	942
23	Hyaluronan Receptor LYVE-1-Expressing Macrophages Maintain Arterial Tone through Hyaluronan-Mediated Regulation of Smooth Muscle Cell Collagen. Immunity, 2018, 49, 326-341.e7.	14.3	235
24	Systematic characterization of basophil anergy. Allergy: European Journal of Allergy and Clinical Immunology, 2017, 72, 373-384.	5.7	26
25	Mapping the human DC lineage through the integration of high-dimensional techniques. Science, 2017, 356, .	12.6	429
26	Human fetal dendritic cells promote prenatal T-cell immune suppression through arginase-2. Nature, 2017, 546, 662-666.	27.8	199
27	Host sirtuin 1 regulates mycobacterial immunopathogenesis and represents a therapeutic target against tuberculosis. Science Immunology, 2017, 2, .	11.9	104
28	IgG1 memory B cells keep the memory of IgE responses. Nature Communications, 2017, 8, 641.	12.8	143
29	Induced-Pluripotent-Stem-Cell-Derived Primitive Macrophages Provide a Platform for Modeling Tissue-Resident Macrophage Differentiation and Function. Immunity, 2017, 47, 183-198.e6.	14.3	245
30	Functionally diverse human T cells recognize non-microbial antigens presented by MR1. ELife, 2017, 6, .	6.0	100
31	Deep Sequencing in Infectious Diseases: Immune and Pathogen Repertoires for the Improvement of Patient Outcomes. Frontiers in Immunology, 2017, 8, 593.	4.8	8
32	NLRP10 Enhances CD4+ T-Cell-Mediated IFNÎ³ Response via Regulation of Dendritic Cell-Derived IL-12 Release. Frontiers in Immunology, 2017, 8, 1462.	4.8	21
33	Î²-glucan Exposure on the Fungal Cell Wall Tightly Correlates with Competitive Fitness of Candida Species in the Mouse Gastrointestinal Tract. Frontiers in Cellular and Infection Microbiology, 2016, 6, 186.	3.9	41
34	Mpath maps multi-branching single-cell trajectories revealing progenitor cell progression during development. Nature Communications, 2016, 7, 11988.	12.8	67
35	flowAI: automatic and interactive anomaly discerning tools for flow cytometry data. Bioinformatics, 2016, 32, 2473-2480.	4.1	166
36	CXCR4 identifies transitional bone marrow premonocytes that replenish the mature monocyte pool for peripheral responses. Journal of Experimental Medicine, 2016, 213, 2293-2314.	8.5	108

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37	Complete human CD1a deficiency on Langerhans cells due to a rare point mutation in the coding sequence. Journal of Allergy and Clinical Immunology, 2016, 138, 1709-1712.e11.	2.9	4
38	Plasmablasts During Acute Dengue Infection Represent a Small Subset of a Broader Virus-specific Memory B Cell Pool. EBioMedicine, 2016, 12, 178-188.	6.1	62
39	Transcriptional and functional characterization of CD137L-dendritic cells identifies a novel dendritic cell phenotype. Scientific Reports, 2016, 6, 29712.	3.3	10
40	Unsupervised High-Dimensional Analysis Aligns Dendritic Cells across Tissues and Species. Immunity, 2016, 45, 669-684.	14.3	683
41	Functional variants of 17q12-21 are associated with allergic asthma but not allergic rhinitis. Journal of Allergy and Clinical Immunology, 2016, 137, 758-766.e3.	2.9	34
42	TLR7 and TLR9 ligands regulate antigen presentation by macrophages. International Immunology, 2016, 28, 223-232.	4.0	43
43	Neutrophils Self-Regulate Immune Complex-Mediated Cutaneous Inflammation through CXCL2. Journal of Investigative Dermatology, 2016, 136, 416-424.	0.7	62
44	Cytofkit: A Bioconductor Package for an Integrated Mass Cytometry Data Analysis Pipeline. PLoS Computational Biology, 2016, 12, e1005112.	3.2	302
45	Automated Identification of Core Regulatory Genes in Human Gene Regulatory Networks. PLoS Computational Biology, 2015, 11, e1004504.	3.2	33
46	Identification of cDC1- and cDC2-committed DC progenitors reveals early lineage priming at the common DC progenitor stage in the bone marrow. Nature Immunology, 2015, 16, 718-728.	14.5	475
47	Visualization of bone marrow monocyte mobilization using Cx3cr1gfp/+Flt3Lâ^'/â^' reporter mouse by multiphoton intravital microscopy. Journal of Leukocyte Biology, 2015, 97, 611-619.	3.3	15
48	The Transcriptional Stress Response of Candida albicans to Weak Organic Acids. G3: Genes, Genomes, Genetics, 2015, 5, 497-505.	1.8	46
49	Genetic variants of inducible costimulator are associated with allergic asthma susceptibility. Journal of Allergy and Clinical Immunology, 2015, 135, 556-558.e13.	2.9	4
50	NFATc2 mediates epigenetic modification of dendritic cell cytokine and chemokine responses to dectin-1 stimulation. Nucleic Acids Research, 2015, 43, 836-847.	14.5	35
51	Micro<scp>RNA</scp> expression profiling of human blood monocyte subsets highlights functional differences. Immunology, 2015, 145, 404-416.	4.4	34
52	Cell Specific eQTL Analysis without Sorting Cells. PLoS Genetics, 2015, 11, e1005223.	3.5	115
53	Mapping the Diversity of Follicular Helper T Cells in Human Blood and Tonsils Using High-Dimensional Mass Cytometry Analysis. Cell Reports, 2015, 11, 1822-1833.	6.4	140
54	C-Myb+ Erythro-Myeloid Progenitor-Derived Fetal Monocytes Give Rise to Adult Tissue-Resident Macrophages. Immunity, 2015, 42, 665-678.	14.3	847

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55	High Mitochondrial Respiration and Glycolytic Capacity Represent a Metabolic Phenotype of Human Tolerogenic Dendritic Cells. Journal of Immunology, 2015, 194, 5174-5186.	0.8	183
56	Human Monocytes Undergo Functional Re-programming during Sepsis Mediated by Hypoxia-Inducible Factor-1Î±. Immunity, 2015, 42, 484-498.	14.3	340
57	CD103+ Dendritic Cells Control Th17 Cell Function in the Lung. Cell Reports, 2015, 12, 1789-1801.	6.4	89
58	Genome-wide analysis of the genetic regulation of gene expression in human neutrophils. Nature Communications, 2015, 6, 7971.	12.8	23
59	Gene Essentiality Is a Quantitative Property Linked to Cellular Evolvability. Cell, 2015, 163, 1388-1399.	28.9	146
60	RNA sensing by conventional dendritic cells is central to the development of lupus nephritis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6195-204.	7.1	49
61	Dengue Serotype Cross-Reactive, Anti-E Protein Antibodies Confound Specific Immune Memory for 1 Year after Infection. Frontiers in Immunology, 2014, 5, 388.	4.8	18
62	Human Dermal CD14 + Cells Are a Transient Population of Monocyte-Derived Macrophages. Immunity, 2014, 41, 465-477.	14.3	256
63	Selective Susceptibility of Human Skin Antigen Presenting Cells to Productive Dengue Virus Infection. PLoS Pathogens, 2014, 10, e1004548.	4.7	80
64	Calcium and Calcineurin-NFAT Signaling Regulate Granulocyte-Monocyte Progenitor Cell Cycle via Flt3-L. Stem Cells, 2014, 32, 3232-3244.	3.2	20
65	Metformin as adjunct antituberculosis therapy. Science Translational Medicine, 2014, 6, 263ra159.	12.4	404
66	Molecular Profiling Reveals a Tumor-Promoting Phenotype of Monocytes and Macrophages in Human Cancer Progression. Immunity, 2014, 41, 815-829.	14.3	240
67	High-dimensional analysis of the murine myeloid cell system. Nature Immunology, 2014, 15, 1181-1189.	14.5	349
68	Involvement of GABA Transporters in Atropine-Treated Myopic Retina As Revealed by iTRAQ Quantitative Proteomics. Journal of Proteome Research, 2014, 13, 4647-4658.	3.7	56
69	Enhancers Are Major Targets for Murine Leukemia Virus Vector Integration. Journal of Virology, 2014, 88, 4504-4513.	3.4	88
70	Human Regulatory B Cells Combine Phenotypic and Genetic Hallmarks with a Distinct Differentiation Fate. Journal of Immunology, 2014, 193, 2258-2266.	0.8	40
71	Ubiquitin-conjugating enzyme Ubc13 controls breast cancer metastasis through a TAK1-p38 MAP kinase cascade. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13870-13875.	7.1	99
72	IRF4 Transcription Factor-Dependent CD11b+ Dendritic Cells in Human and Mouse Control Mucosal IL-17 Cytokine Responses. Immunity, 2013, 38, 970-983.	14.3	703

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73	The distinctive germinal center phase of IgE+ B lymphocytes limits their contribution to the classical memory response. Journal of Experimental Medicine, 2013, 210, 2755-2771.	8.5	139
74	Rational Design of a Live Attenuated Dengue Vaccine: 2â€²-O-Methyltransferase Mutants Are Highly Attenuated and Immunogenic in Mice and Macaques. PLoS Pathogens, 2013, 9, e1003521.	4.7	98
75	An Unbiased Approach to Identifying Tau Kinases That Phosphorylate Tau at Sites Associated with Alzheimer Disease. Journal of Biological Chemistry, 2013, 288, 23331-23347.	3.4	99
76	Enhanced Neutralizing Antibody Titers and Th1 Polarization from a Novel Escherichia coli Derived Pandemic Influenza Vaccine. PLoS ONE, 2013, 8, e76571.	2.5	25
77	Protumoral role of monocytes in human B-cell precursor acute lymphoblastic leukemia: involvement of the chemokine CXCL10. Blood, 2012, 119, 227-237.	1.4	59
78	Human Tissues Contain CD141hi Cross-Presenting Dendritic Cells with Functional Homology to Mouse CD103+ Nonlymphoid Dendritic Cells. Immunity, 2012, 37, 60-73.	14.3	643
79	Optimal cellular preservation for high dimensional flow cytometric analysis of multicentre trials. Journal of Immunological Methods, 2012, 385, 79-89.	1.4	38
80	Cistrome: an integrative platform for transcriptional regulation studies. Genome Biology, 2011, 12, R83.	9.6	598
81	Sequence determinants of innate immune activation by short interfering RNAs. BMC Immunology, 2009, 10, 40.	2.2	57
82	Interfering ribonucleic acids that suppress expression of multiple unrelated genes. BMC Biotechnology, 2009, 9, 57.	3.3	3
83	Complete genomic sequence of the Australian south-west genotype of Sindbis virus: comparisons with other Sindbis strains and identification of a unique deletion in the 3'-untranslated region. Virus Genes, 2003, 26, 317-327.	1.6	11
84	The Relationships between West Nile and Kunjin Viruses. Emerging Infectious Diseases, 2001, 7, 697-705.	4.3	126
85	The Relationships between West Nile and Kunjin Viruses. Emerging Infectious Diseases, 2001, 7, 697-705.	4.3	90
86	Two contiguous outbreaks of dengue type 2 in north Queensland. Medical Journal of Australia, 1998, 168, 221-225.	1.7	66
87	Genetic Stability Among Temporally and Geographically Diverse Isolates of Barmah Forest Virus. American Journal of Tropical Medicine and Hygiene, 1997, 57, 230-234.	1.4	38
88	An outbreak of Japanese encephalitis in the Torres Strait, Australia, 1995. Medical Journal of Australia, 1996, 165, 256-260.	1.7	298
89	Molecular Characterization of the Japanese Encephalitis Serocomplex of the Flavivirus Genus. Virology, 1996, 218, 417-421.	2.4	126
90	Molecular Epidemiology and Evolution of Mosquito-Borne Flaviviruses and Alphaviruses Enzootic in Australia. , 1996, , 153-165.		0

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91	RNA-Seq Signatures Normalized by mRNA Abundance Allow Absolute Deconvolution of Human Immune Cells. SSRN Electronic Journal, 0, , .	0.4	3