

Michael Poidinger

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

13,496
citations

38742

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45317

90
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93
all docs

93
docs citations

93
times ranked

25008
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Bystander CD8+ T cells are abundant and phenotypically distinct in human tumour infiltrates. <i>Nature</i> , 2018, 557, 575-579. | 27.8 | 942 |
| 2 | C-Myb+ Erythro-Myeloid Progenitor-Derived Fetal Monocytes Give Rise to Adult Tissue-Resident Macrophages. <i>Immunity</i> , 2015, 42, 665-678. | 14.3 | 847 |
| 3 | IRF4 Transcription Factor-Dependent CD11b+ Dendritic Cells in Human and Mouse Control Mucosal IL-17 Cytokine Responses. <i>Immunity</i> , 2013, 38, 970-983. | 14.3 | 703 |
| 4 | Unsupervised High-Dimensional Analysis Aligns Dendritic Cells across Tissues and Species. <i>Immunity</i> , 2016, 45, 669-684. | 14.3 | 683 |
| 5 | Two distinct interstitial macrophage populations coexist across tissues in specific subtissular niches. <i>Science</i> , 2019, 363, . | 12.6 | 676 |
| 6 | Human Tissues Contain CD141hi Cross-Presenting Dendritic Cells with Functional Homology to Mouse CD103+ Nonlymphoid Dendritic Cells. <i>Immunity</i> , 2012, 37, 60-73. | 14.3 | 643 |
| 7 | Cistrome: an integrative platform for transcriptional regulation studies. <i>Genome Biology</i> , 2011, 12, R83. | 9.6 | 598 |
| 8 | RNA-Seq Signatures Normalized by mRNA Abundance Allow Absolute Deconvolution of Human Immune Cell Types. <i>Cell Reports</i> , 2019, 26, 1627-1640.e7. | 6.4 | 590 |
| 9 | Identification of cDC1- and cDC2-committed DC progenitors reveals early lineage priming at the common DC progenitor stage in the bone marrow. <i>Nature Immunology</i> , 2015, 16, 718-728. | 14.5 | 475 |
| 10 | Mapping the human DC lineage through the integration of high-dimensional techniques. <i>Science</i> , 2017, 356, . | 12.6 | 429 |
| 11 | Metformin as adjunct antituberculosis therapy. <i>Science Translational Medicine</i> , 2014, 6, 263ra159. | 12.4 | 404 |
| 12 | High-dimensional analysis of the murine myeloid cell system. <i>Nature Immunology</i> , 2014, 15, 1181-1189. | 14.5 | 349 |
| 13 | Human Monocytes Undergo Functional Re-programming during Sepsis Mediated by Hypoxia-Inducible Factor-1 α . <i>Immunity</i> , 2015, 42, 484-498. | 14.3 | 340 |
| 14 | Cytofkit: A Bioconductor Package for an Integrated Mass Cytometry Data Analysis Pipeline. <i>PLoS Computational Biology</i> , 2016, 12, e1005112. | 3.2 | 302 |
| 15 | An outbreak of Japanese encephalitis in the Torres Strait, Australia, 1995. <i>Medical Journal of Australia</i> , 1996, 165, 256-260. | 1.7 | 298 |
| 16 | Human Dermal CD14 + Cells Are a Transient Population of Monocyte-Derived Macrophages. <i>Immunity</i> , 2014, 41, 465-477. | 14.3 | 256 |
| 17 | Induced-Pluripotent-Stem-Cell-Derived Primitive Macrophages Provide a Platform for Modeling Tissue-Resident Macrophage Differentiation and Function. <i>Immunity</i> , 2017, 47, 183-198.e6. | 14.3 | 245 |
| 18 | Molecular Profiling Reveals a Tumor-Promoting Phenotype of Monocytes and Macrophages in Human Cancer Progression. <i>Immunity</i> , 2014, 41, 815-829. | 14.3 | 240 |

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|----|--|------|-----------|
| 19 | Hyaluronan Receptor LYVE-1-Expressing Macrophages Maintain Arterial Tone through Hyaluronan-Mediated Regulation of Smooth Muscle Cell Collagen. <i>Immunity</i> , 2018, 49, 326-341.e7. | 14.3 | 235 |
| 20 | Human fetal dendritic cells promote prenatal T-cell immune suppression through arginase-2. <i>Nature</i> , 2017, 546, 662-666. | 27.8 | 199 |
| 21 | Experimental evolution of a fungal pathogen into a gut symbiont. <i>Science</i> , 2018, 362, 589-595. | 12.6 | 184 |
| 22 | High Mitochondrial Respiration and Glycolytic Capacity Represent a Metabolic Phenotype of Human Tolerogenic Dendritic Cells. <i>Journal of Immunology</i> , 2015, 194, 5174-5186. | 0.8 | 183 |
| 23 | flowAI: automatic and interactive anomaly discerning tools for flow cytometry data. <i>Bioinformatics</i> , 2016, 32, 2473-2480. | 4.1 | 166 |
| 24 | Gene Essentiality Is a Quantitative Property Linked to Cellular Evolvability. <i>Cell</i> , 2015, 163, 1388-1399. | 28.9 | 146 |
| 25 | IgG1 memory B cells keep the memory of IgE responses. <i>Nature Communications</i> , 2017, 8, 641. | 12.8 | 143 |
| 26 | Mapping the Diversity of Follicular Helper T Cells in Human Blood and Tonsils Using High-Dimensional Mass Cytometry Analysis. <i>Cell Reports</i> , 2015, 11, 1822-1833. | 6.4 | 140 |
| 27 | The distinctive germinal center phase of IgE+ B lymphocytes limits their contribution to the classical memory response. <i>Journal of Experimental Medicine</i> , 2013, 210, 2755-2771. | 8.5 | 139 |
| 28 | Molecular Characterization of the Japanese Encephalitis Serocomplex of the Flavivirus Genus. <i>Virology</i> , 1996, 218, 417-421. | 2.4 | 126 |
| 29 | The Relationships between West Nile and Kunjin Viruses. <i>Emerging Infectious Diseases</i> , 2001, 7, 697-705. | 4.3 | 126 |
| 30 | Cell Specific eQTL Analysis without Sorting Cells. <i>PLoS Genetics</i> , 2015, 11, e1005223. | 3.5 | 115 |
| 31 | CXCR4 identifies transitional bone marrow premonocytes that replenish the mature monocyte pool for peripheral responses. <i>Journal of Experimental Medicine</i> , 2016, 213, 2293-2314. | 8.5 | 108 |
| 32 | Host sirtuin 1 regulates mycobacterial immunopathogenesis and represents a therapeutic target against tuberculosis. <i>Science Immunology</i> , 2017, 2, . | 11.9 | 104 |
| 33 | Functionally diverse human T cells recognize non-microbial antigens presented by MR1. <i>ELife</i> , 2017, 6, . | 6.0 | 100 |
| 34 | An Unbiased Approach to Identifying Tau Kinases That Phosphorylate Tau at Sites Associated with Alzheimer Disease. <i>Journal of Biological Chemistry</i> , 2013, 288, 23331-23347. | 3.4 | 99 |
| 35 | Ubiquitin-conjugating enzyme Ubc13 controls breast cancer metastasis through a TAK1-p38 MAP kinase cascade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13870-13875. | 7.1 | 99 |
| 36 | Rational Design of a Live Attenuated Dengue Vaccine: 2â€²-O-Methyltransferase Mutants Are Highly Attenuated and Immunogenic in Mice and Macaques. <i>PLoS Pathogens</i> , 2013, 9, e1003521. | 4.7 | 98 |

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|----|--|------|-----------|
| 37 | The Relationships between West Nile and Kunjin Viruses. <i>Emerging Infectious Diseases</i> , 2001, 7, 697-705. | 4.3 | 90 |
| 38 | CD103+ Dendritic Cells Control Th17 Cell Function in the Lung. <i>Cell Reports</i> , 2015, 12, 1789-1801. | 6.4 | 89 |
| 39 | Enhancers Are Major Targets for Murine Leukemia Virus Vector Integration. <i>Journal of Virology</i> , 2014, 88, 4504-4513. | 3.4 | 88 |
| 40 | Selective Susceptibility of Human Skin Antigen Presenting Cells to Productive Dengue Virus Infection. <i>PLoS Pathogens</i> , 2014, 10, e1004548. | 4.7 | 80 |
| 41 | The tumour microenvironment creates a niche for the self-renewal of tumour-promoting macrophages in colon adenoma. <i>Nature Communications</i> , 2018, 9, 582. | 12.8 | 76 |
| 42 | Mpath maps multi-branching single-cell trajectories revealing progenitor cell progression during development. <i>Nature Communications</i> , 2016, 7, 11988. | 12.8 | 67 |
| 43 | Two contiguous outbreaks of dengue type 2 in north Queensland. <i>Medical Journal of Australia</i> , 1998, 168, 221-225. | 1.7 | 66 |
| 44 | Advantages of meta-total RNA sequencing (MeTRS) over shotgun metagenomics and amplicon-based sequencing in the profiling of complex microbial communities. <i>Npj Biofilms and Microbiomes</i> , 2018, 4, 2. | 6.4 | 65 |
| 45 | Plasmablasts During Acute Dengue Infection Represent a Small Subset of a Broader Virus-specific Memory B Cell Pool. <i>EBioMedicine</i> , 2016, 12, 178-188. | 6.1 | 62 |
| 46 | Neutrophils Self-Regulate Immune Complex-Mediated Cutaneous Inflammation through CXCL2. <i>Journal of Investigative Dermatology</i> , 2016, 136, 416-424. | 0.7 | 62 |
| 47 | Protumoral role of monocytes in human B-cell precursor acute lymphoblastic leukemia: involvement of the chemokine CXCL10. <i>Blood</i> , 2012, 119, 227-237. | 1.4 | 59 |
| 48 | Sequence determinants of innate immune activation by short interfering RNAs. <i>BMC Immunology</i> , 2009, 10, 40. | 2.2 | 57 |
| 49 | Multifactorial heterogeneity of virus-specific T cells and association with the progression of human chronic hepatitis B infection. <i>Science Immunology</i> , 2019, 4, . | 11.9 | 57 |
| 50 | Involvement of GABA Transporters in Atropine-Treated Myopic Retina As Revealed by iTRAQ Quantitative Proteomics. <i>Journal of Proteome Research</i> , 2014, 13, 4647-4658. | 3.7 | 56 |
| 51 | Mapping of \hat{I}^3/\hat{I}^1 T cells reveals \hat{V}^2+ T cells resistance to senescence. <i>EBioMedicine</i> , 2019, 39, 44-58. | 6.1 | 54 |
| 52 | A Subset of Type I Conventional Dendritic Cells Controls Cutaneous Bacterial Infections through VEGF \hat{I} -Mediated Recruitment of Neutrophils. <i>Immunity</i> , 2019, 50, 1069-1083.e8. | 14.3 | 50 |
| 53 | RNA sensing by conventional dendritic cells is central to the development of lupus nephritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6195-204. | 7.1 | 49 |
| 54 | The Transcriptional Stress Response of <i>Candida albicans</i> to Weak Organic Acids. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 497-505. | 1.8 | 46 |

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|----|---|------|-----------|
| 55 | TLR7 and TLR9 ligands regulate antigen presentation by macrophages. <i>International Immunology</i> , 2016, 28, 223-232. | 4.0 | 43 |
| 56 | Î2-glucan Exposure on the Fungal Cell Wall Tightly Correlates with Competitive Fitness of <i>Candida</i> Species in the Mouse Gastrointestinal Tract. <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 186. | 3.9 | 41 |
| 57 | Human Regulatory B Cells Combine Phenotypic and Genetic Hallmarks with a Distinct Differentiation Fate. <i>Journal of Immunology</i> , 2014, 193, 2258-2266. | 0.8 | 40 |
| 58 | Optimal cellular preservation for high dimensional flow cytometric analysis of multicentre trials. <i>Journal of Immunological Methods</i> , 2012, 385, 79-89. | 1.4 | 38 |
| 59 | Genetic Stability Among Temporally and Geographically Diverse Isolates of Barmah Forest Virus. <i>American Journal of Tropical Medicine and Hygiene</i> , 1997, 57, 230-234. | 1.4 | 38 |
| 60 | NFATc2 mediates epigenetic modification of dendritic cell cytokine and chemokine responses to dectin-1 stimulation. <i>Nucleic Acids Research</i> , 2015, 43, 836-847. | 14.5 | 35 |
| 61 | Micro<scp>RNA</scp> expression profiling of human blood monocyte subsets highlights functional differences. <i>Immunology</i> , 2015, 145, 404-416. | 4.4 | 34 |
| 62 | Functional variants of 17q12-21 are associated with allergic asthma but not allergic rhinitis. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 758-766.e3. | 2.9 | 34 |
| 63 | Influenza Vaccine-Induced Antibody Responses Are Not Impaired by Frailty in the Community-Dwelling Elderly With Natural Influenza Exposure. <i>Frontiers in Immunology</i> , 2018, 9, 2465. | 4.8 | 34 |
| 64 | Automated Identification of Core Regulatory Genes in Human Gene Regulatory Networks. <i>PLoS Computational Biology</i> , 2015, 11, e1004504. | 3.2 | 33 |
| 65 | Induction of Human T-cell and Cytokine Responses Following Vaccination with a Novel Influenza Vaccine. <i>Scientific Reports</i> , 2018, 8, 18007. | 3.3 | 33 |
| 66 | Systematic characterization of basophil anergy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017, 72, 373-384. | 5.7 | 26 |
| 67 | Enhanced Neutralizing Antibody Titers and Th1 Polarization from a Novel <i>Escherichia coli</i> Derived Pandemic Influenza Vaccine. <i>PLoS ONE</i> , 2013, 8, e76571. | 2.5 | 25 |
| 68 | Circulating CD1c+ myeloid dendritic cells are potential precursors to LCH lesion CD1a+CD207+ cells. <i>Blood Advances</i> , 2020, 4, 87-99. | 5.2 | 25 |
| 69 | Genome-wide analysis of the genetic regulation of gene expression in human neutrophils. <i>Nature Communications</i> , 2015, 6, 7971. | 12.8 | 23 |
| 70 | NLRP10 Enhances CD4+ T-Cell-Mediated IFNÎ3 Response via Regulation of Dendritic Cell-Derived IL-12 Release. <i>Frontiers in Immunology</i> , 2017, 8, 1462. | 4.8 | 21 |
| 71 | Calcium and Calcineurin-NFAT Signaling Regulate Granulocyte-Monocyte Progenitor Cell Cycle via Flt3-L. <i>Stem Cells</i> , 2014, 32, 3232-3244. | 3.2 | 20 |
| 72 | Dengue Serotype Cross-Reactive, Anti-E Protein Antibodies Confound Specific Immune Memory for 1 Year after Infection. <i>Frontiers in Immunology</i> , 2014, 5, 388. | 4.8 | 18 |

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|----|---|------|-----------|
| 73 | Visualization of bone marrow monocyte mobilization using <i>Cx3cr1gfp/+Flt3L^Δ/Δ</i> reporter mouse by multiphoton intravital microscopy. <i>Journal of Leukocyte Biology</i> , 2015, 97, 611-619. | 3.3 | 15 |
| 74 | miR-181a Modulation of ERK-MAPK Signaling Sustains DC-SIGN Expression and Limits Activation of Monocyte-Derived Dendritic Cells. <i>Cell Reports</i> , 2020, 30, 3793-3805.e5. | 6.4 | 14 |
| 75 | Brief report: Decreased expression of CD244 (SLAMF4) on monocytes and platelets in patients with systemic lupus erythematosus. <i>Clinical Rheumatology</i> , 2018, 37, 811-816. | 2.2 | 12 |
| 76 | Ezh2 Controls Skin Tolerance through Distinct Mechanisms in Different Subsets of Skin Dendritic Cells. <i>IScience</i> , 2018, 10, 23-39. | 4.1 | 12 |
| 77 | 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. <i>Virus Genes</i> , 2003, 26, 317-327. | 1.6 | 11 |
| 78 | Transcriptional and functional characterization of CD137L-dendritic cells identifies a novel dendritic cell phenotype. <i>Scientific Reports</i> , 2016, 6, 29712. | 3.3 | 10 |
| 79 | Healthy elderly Singaporeans show no age-related humoral hypo-responsiveness nor diminished plasmablast generation in response to influenza vaccine. <i>Immunity and Ageing</i> , 2018, 15, 28. | 4.2 | 10 |
| 80 | Histone acetylome-wide associations in immune cells from individuals with active Mycobacterium tuberculosis infection. <i>Nature Microbiology</i> , 2022, 7, 312-326. | 13.3 | 9 |
| 81 | Deep Sequencing in Infectious Diseases: Immune and Pathogen Repertoires for the Improvement of Patient Outcomes. <i>Frontiers in Immunology</i> , 2017, 8, 593. | 4.8 | 8 |
| 82 | Streamlining volumetric multi-channel image cytometry using hue-saturation-brightness-based surface creation. <i>Communications Biology</i> , 2018, 1, 136. | 4.4 | 8 |
| 83 | Resistin expression in human monocytes is controlled by two linked promoter SNPs mediating NFκB p50/p50 binding and C-methylation. <i>Scientific Reports</i> , 2019, 9, 15245. | 3.3 | 8 |
| 84 | FUT6 deficiency compromises basophil function by selectively abrogating their sialyl-Lewis x expression. <i>Communications Biology</i> , 2021, 4, 832. | 4.4 | 7 |
| 85 | Endoplasmic reticulum stress response and bile acid signatures associate with multi-strain seroresponsiveness during elderly influenza vaccination. <i>IScience</i> , 2021, 24, 102970. | 4.1 | 5 |
| 86 | Genetic variants of inducible costimulator are associated with allergic asthma susceptibility. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 135, 556-558.e13. | 2.9 | 4 |
| 87 | Complete human CD1a deficiency on Langerhans cells due to a rare point mutation in the coding sequence. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 1709-1712.e11. | 2.9 | 4 |
| 88 | Inverse association of FCER1A allergy variant in monocytes and plasmacytoid dendritic cells. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 1510-1513.e8. | 2.9 | 4 |
| 89 | Interfering ribonucleic acids that suppress expression of multiple unrelated genes. <i>BMC Biotechnology</i> , 2009, 9, 57. | 3.3 | 3 |
| 90 | RNA-Seq Signatures Normalized by mRNA Abundance Allow Absolute Deconvolution of Human Immune Cells. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 3 |

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|----|--|----|-----------|
| 91 | Molecular Epidemiology and Evolution of Mosquito-Borne Flaviviruses and Alphaviruses Enzootic in Australia. , 1996, , 153-165. | | 0 |