

Matthew H Spitzer

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

7,414
citations

147801

31
h-index

254184

43
g-index

58
all docs

58
docs citations

58
times ranked

13409
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass Cytometry: Single Cells, Many Features. <i>Cell</i> , 2016, 165, 780-791.	28.9	978
2	A gut bacterial pathway metabolizes aromatic amino acids into nine circulating metabolites. <i>Nature</i> , 2017, 551, 648-652.	27.8	805
3	Systemic Immunity Is Required for Effective Cancer Immunotherapy. <i>Cell</i> , 2017, 168, 487-502.e15.	28.9	708
4	Systemic immunity in cancer. <i>Nature Reviews Cancer</i> , 2021, 21, 345-359.	28.4	605
5	Palladium-based mass tag cell barcoding with a doublet-filtering scheme and single-cell deconvolution algorithm. <i>Nature Protocols</i> , 2015, 10, 316-333.	12.0	466
6	Intratumoral CD4+ T Cells Mediate Anti-tumor Cytotoxicity in Human Bladder Cancer. <i>Cell</i> , 2020, 181, 1612-1625.e13.	28.9	436
7	Automated mapping of phenotype space with single-cell data. <i>Nature Methods</i> , 2016, 13, 493-496.	19.0	344
8	Expression of specific inflammasome gene modules stratifies older individuals into two extreme clinical and immunological states. <i>Nature Medicine</i> , 2017, 23, 174-184.	30.7	304
9	The transcriptional landscape of $\hat{1}\pm\hat{1}^2$ T cell differentiation. <i>Nature Immunology</i> , 2013, 14, 619-632.	14.5	256
10	Engineered Tumor-Targeted T Cells Mediate Enhanced Anti-Tumor Efficacy Both Directly and through Activation of the Endogenous Immune System. <i>Cell Reports</i> , 2018, 23, 2130-2141.	6.4	233
11	An interactive reference framework for modeling a dynamic immune system. <i>Science</i> , 2015, 349, 1259425.	12.6	214
12	Systemic dysfunction and plasticity of the immune macroenvironment in cancer models. <i>Nature Medicine</i> , 2020, 26, 1125-1134.	30.7	194
13	Allogeneic IgG combined with dendritic cell stimuli induce antitumour T-cell immunity. <i>Nature</i> , 2015, 521, 99-104.	27.8	190
14	Conditional density-based analysis of T cell signaling in single-cell data. <i>Science</i> , 2014, 346, 1250689.	12.6	188
15	Metal-isotope-tagged monoclonal antibodies for high-dimensional mass cytometry. <i>Nature Protocols</i> , 2018, 13, 2121-2148.	12.0	171
16	Lymph node colonization induces tumor-immune tolerance to promote distant metastasis. <i>Cell</i> , 2022, 185, 1924-1942.e23.	28.9	111
17	Depletion of microbiome-derived molecules in the host using <i>Clostridium</i> genetics. <i>Science</i> , 2019, 366, .	12.6	103
18	Comprehensive Immune Monitoring of Clinical Trials to Advance Human Immunotherapy. <i>Cell Reports</i> , 2019, 28, 819-831.e4.	6.4	91

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19	The effect of low-dose IL-2 and Treg adoptive cell therapy in patients with type 1 diabetes. JCI Insight, 2021, 6, .	5.0	91
20	De novo mutations in mitochondrial DNA of iPSCs produce immunogenic neoepitopes in mice and humans. Nature Biotechnology, 2019, 37, 1137-1144.	17.5	74
21	Cellular architecture of human brain metastases. Cell, 2022, 185, 729-745.e20.	28.9	69
22	Single-cell analysis by mass cytometry reveals metabolic states of early-activated CD8+ T cells during the primary immune response. Immunity, 2021, 54, 829-844.e5.	14.3	68
23	Mass Cytometric Analysis of HIV Entry, Replication, and Remodeling in Tissue CD4+ T Cells. Cell Reports, 2017, 20, 984-998.	6.4	66
24	Jak1 Integrates Cytokine Sensing to Regulate Hematopoietic Stem Cell Function and Stress Hematopoiesis. Cell Stem Cell, 2017, 21, 489-501.e7.	11.1	58
25	Autocrine TGF β 2 Is a Survival Factor for Monocytes and Drives Immunosuppressive Lineage Commitment. Cancer Immunology Research, 2019, 7, 306-320.	3.4	58
26	Functional CRISPR dissection of gene networks controlling human regulatory T cell identity. Nature Immunology, 2020, 21, 1456-1466.	14.5	57
27	Denisovan, modern human and mouse TNFAIP3 alleles tune A20 phosphorylation and immunity. Nature Immunology, 2019, 20, 1299-1310.	14.5	53
28	MetaCyto: A Tool for Automated Meta-analysis of Mass and Flow Cytometry Data. Cell Reports, 2018, 24, 1377-1388.	6.4	52
29	Single-cell mass cytometry of TCR signaling: Amplification of small initial differences results in low ERK activation in NOD mice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16466-16471.	7.1	50
30	A Comprehensive Atlas of Immunological Differences Between Humans, Mice, and Non-Human Primates. Frontiers in Immunology, 2022, 13, 867015.	4.8	46
31	Mapping the Fetomaternal Peripheral Immune System at Term Pregnancy. Journal of Immunology, 2016, 197, 4482-4492.	0.8	34
32	Scalable Conjugation and Characterization of Immunoglobulins with Stable Mass Isotope Reporters for Single-Cell Mass Cytometry Analysis. Methods in Molecular Biology, 2019, 1989, 55-81.	0.9	32
33	SCITO-seq: single-cell combinatorial indexed cytometry sequencing. Nature Methods, 2021, 18, 903-911.	19.0	28
34	Landscape of coordinated immune responses to H1N1 challenge in humans. Journal of Clinical Investigation, 2020, 130, 5800-5816.	8.2	28
35	Pre-existing immune status associated with response to combination of sipuleucel-T and ipilimumab in patients with metastatic castration-resistant prostate cancer. , 2021, 9, e002254.		21
36	Akt and SHP-1 are DC-intrinsic checkpoints for tumor immunity. JCI Insight, 2016, 1, e89020.	5.0	17

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37	Mass cytometry reveals single-cell kinetics of cytotoxic lymphocyte evolution in CMV-infected renal transplant patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	15
38	Mass cytometry reveals a conserved immune trajectory of recovery in hospitalized COVID-19 patients. <i>Immunity</i> , 2022, , .	14.3	9
39	Tumor Immune Profiling-Based Neoadjuvant Immunotherapy for Locally Advanced Melanoma. <i>Annals of Surgical Oncology</i> , 2020, 27, 4122-4130.	1.5	7
40	ImmunoGlobe: enabling systems immunology with a manually curated intercellular immune interaction network. <i>BMC Bioinformatics</i> , 2020, 21, 346.	2.6	6
41	Archetypes of checkpoint-responsive immunity. <i>Trends in Immunology</i> , 2021, 42, 960-974.	6.8	5
42	Influence of Selfâ€“MHC Class I Recognition on the Dynamics of NK Cell Responses to Cytomegalovirus Infection. <i>Journal of Immunology</i> , 2022, 208, 1742-1754.	0.8	5
43	Postmitotic G1 phase survivin drives mitogen-independent cell division of B lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2115567119.	7.1	5
44	Variation of Immune Cell Responses in Humans Reveals Sex-Specific Coordinated Signaling Across Cell Types. <i>Frontiers in Immunology</i> , 2022, 13, 867016.	4.8	4
45	Comprehensive Immune Monitoring of Clinical Trials to Advance Human Immunotherapy. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
46	Hacking the â€“Cellular Immunology Agencyâ€“™: T cells caught in the act. <i>Nature Immunology</i> , 2019, 20, 382-383.	14.5	0
47	A cytotoxic-skewed immune set point predicts low neutralizing antibody levels after Zika virus infection. <i>Cell Reports</i> , 2022, 39, 110815.	6.4	0