

# Holden T Maecker

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96  
papers

6,904  
citations

35  
h-index

83  
g-index

99  
ext. papers

9,145  
ext. citations

10.3  
avg, IF

5.92  
L-index

#	Paper	IF	Citations
96	Early non-neutralizing, afucosylated antibody responses are associated with COVID-19 severity.. <i>Science Translational Medicine</i> , <b>2022</b> , 14, eabm7853	17.5	10
95	Disease characteristics and serological responses in patients with differing severity of COVID-19 infection: A longitudinal cohort study in Dhaka, Bangladesh.. <i>PLoS Neglected Tropical Diseases</i> , <b>2022</b> , 16, e0010102	4.8	5
94	Dynamic Serial Cytokine Measurements During Intravenous Ca-DTPA Chelation in Gadolinium Deposition Disease and Gadolinium Storage Condition: A Pilot Study. <i>Investigative Radiology</i> , <b>2022</b> , 57, 71-76	10.1	0
93	Altered Functional Mitochondrial Protein Levels in Plasma Neuron-Derived Extracellular Vesicles of Patients With Gadolinium Deposition.. <i>Frontiers in Toxicology</i> , <b>2021</b> , 3, 797496	1.6	1
92	Platelet Transcriptome Yields Progressive Markers in Chronic Myeloproliferative Neoplasms and Identifies Putative Targets of Therapy. <i>Blood</i> , <b>2021</b> , 138, 1469-1469	2.2	
91	Inflammatory cytokines and callosal white matter microstructure in adolescents.. <i>Brain, Behavior, and Immunity</i> , <b>2021</b> , 100, 321-331	16.6	0
90	Platelet transcriptome identifies progressive markers and potential therapeutic targets in chronic myeloproliferative neoplasms. <i>Cell Reports Medicine</i> , <b>2021</b> , 2, 100425	18	2
89	Signatures of immune dysfunction in HIV and HCV infection share features with chronic inflammation in aging and persist after viral reduction or elimination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	4
88	Immune profiling of COVID-19: preliminary findings and implications for the pandemic <b>2021</b> , 9,		4
87	Immune changes beyond Th2 pathways during rapid multifood immunotherapy enabled with omalizumab. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2021</b> , 76, 2809-2826	9.3	5
86	Activated natural killer cells predict poor clinical prognosis in high-risk B- and T-cell acute lymphoblastic leukemia. <i>Blood</i> , <b>2021</b> , 138, 1465-1480	2.2	7
85	The single-cell epigenomic and transcriptional landscape of immunity to influenza vaccination. <i>Cell</i> , <b>2021</b> , 184, 3915-3935.e21	56.2	23
84	Systems vaccinology of the BNT162b2 mRNA vaccine in humans. <i>Nature</i> , <b>2021</b> , 596, 410-416	50.4	67
83	Aging and CMV discordance are associated with increased immune diversity between monozygotic twins. <i>Immunity and Ageing</i> , <b>2021</b> , 18, 5	9.7	5
82	Protective Effect of Saffron in Mouse Colitis Models Through Immune Modulation. <i>Digestive Diseases and Sciences</i> , <b>2021</b> , 1	4	2
81	Immune Profiling Mass Cytometry Assay Harmonization: Multicenter Experience from CIMAC-CIDC. <i>Clinical Cancer Research</i> , <b>2021</b> , 27, 5062-5071	12.9	1
80	An inflammatory aging clock (iAge) based on deep learning tracks multimorbidity, immunosenescence, frailty and cardiovascular aging. <i>Nature Aging</i> , <b>2021</b> , 1, 598-615		36

79	Novel Circulating and Tissue Monocytes as Well as Macrophages in Pancreatitis and Recovery. <i>Gastroenterology</i> , <b>2021</b> , 161, 2014-2029.e14	13.3	2
78	IL-7 expands lymphocyte populations and enhances immune responses to sipuleucel-T in patients with metastatic castration-resistant prostate cancer (mCRPC) <b>2021</b> , 9,		5
77	Acute Chelation Therapy-Associated Changes in Urine Gadolinium, Self-reported Flare Severity, and Serum Cytokines in Gadolinium Deposition Disease. <i>Investigative Radiology</i> , <b>2021</b> , 56, 374-384	10.1	2
76	Network for Biomarker Immunoprofiling for Cancer Immunotherapy: Cancer Immune Monitoring and Analysis Centers and Cancer Immunologic Data Commons (CIMAC-CIDC). <i>Clinical Cancer Research</i> , <b>2021</b> , 27, 5038-5048	12.9	1
75	Mass Cytometry Analysis of T-Helper Cells. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2285, 49-63	1.4	1
74	A Novel Utility to Correct for Plate/Batch/Lot and Nonspecific Binding Artifacts in Luminex Data. <i>Journal of Immunology</i> , <b>2020</b> , 204, 3425-3433	5.3	3
73	Autoantibody-positive healthy individuals with lower lupus risk display a unique immune endotype. <i>Journal of Allergy and Clinical Immunology</i> , <b>2020</b> , 146, 1419-1433	11.5	10
72	MYC functions as a switch for natural killer cell-mediated immune surveillance of lymphoid malignancies. <i>Nature Communications</i> , <b>2020</b> , 11, 2860	17.4	16
71	Impaired Immune Health in Survivors of Diffuse Large B-Cell Lymphoma. <i>Journal of Clinical Oncology</i> , <b>2020</b> , 38, 1664-1675	2.2	10
70	Activated Natural Killer Cells Are Associated with Poor Clinical Prognosis in High-Risk B- and T- Cell Acute Lymphoblastic Leukemia. <i>Blood</i> , <b>2020</b> , 136, 39-39	2.2	
69	Cytokine profile in plasma of severe COVID-19 does not differ from ARDS and sepsis. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	106
68	An initial investigation of serum cytokine levels in patients with gadolinium retention. <i>Radiologia Brasileira</i> , <b>2020</b> , 53, 306-313	1.7	7
67	Mass Cytometry Defines Virus-Specific CD4 T Cells in Influenza Vaccination. <i>ImmunoHorizons</i> , <b>2020</b> , 4, 774-788	2.7	2
66	High-Parameter Immune Profiling with CyTOF. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2055, 351-368	1.4	11
65	Vi-Vaccinations Induce Heterogeneous Plasma Cell Responses That Associate With Protection From Typhoid Fever. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 574057	8.4	3
64	SITC cancer immunotherapy resource document: a compass in the land of biomarker discovery <b>2020</b> , 8,		5
63	Systems biological assessment of immunity to mild versus severe COVID-19 infection in humans. <i>Science</i> , <b>2020</b> , 369, 1210-1220	33.3	485
62	Transcriptional changes in peanut-specific CD4+ T cells over the course of oral immunotherapy. <i>Clinical Immunology</i> , <b>2020</b> , 219, 108568	9	8

61	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , <b>2019</b> , 49, 1457-1973	6.1	485
60	Penalized Supervised Star Plots: Example Application in Influenza-Specific CD4+ T Cells. <i>Viral Immunology</i> , <b>2019</b> , 32, 102-109	1.7	2
59	0016 Autoimmunity To Hypocretin And Molecular Mimicry To Flu In Type 1 Narcolepsy. <i>Sleep</i> , <b>2019</b> , 42, A6-A7	1.1	
58	Getting the Most from Your High-Dimensional Cytometry Data. <i>Immunity</i> , <b>2019</b> , 50, 535-536	32.3	3
57	A clinically meaningful metric of immune age derived from high-dimensional longitudinal monitoring. <i>Nature Medicine</i> , <b>2019</b> , 25, 487-495	50.5	162
56	Comprehensive Immune Monitoring of Clinical Trials to Advance Human Immunotherapy. <i>Cell Reports</i> , <b>2019</b> , 28, 819-831.e4	10.6	48
55	The FluPRINT dataset, a multidimensional analysis of the influenza vaccine imprint on the immune system. <i>Scientific Data</i> , <b>2019</b> , 6, 214	8.2	7
54	MYC Oncogene Abrogates Natural Killer (NK) Cell-Mediated Immune Surveillance of B- and T-Lymphoid Malignancies By Suppressing STAT1/2-Type I IFN Signaling. <i>Blood</i> , <b>2019</b> , 134, 730-730	2.2	
53	Guidelines for Gating Flow Cytometry Data for Immunological Assays. <i>Methods in Molecular Biology</i> , <b>2019</b> , 2032, 81-104	1.4	6
52	Vaccine-Induced Memory CD8 T Cells Provide Clinical Benefit in HER2 Expressing Breast Cancer: A Mouse to Human Translational Study. <i>Clinical Cancer Research</i> , <b>2019</b> , 25, 2725-2736	12.9	19
51	Diminished B-Cell Response After Repeat Influenza Vaccination. <i>Journal of Infectious Diseases</i> , <b>2019</b> , 219, 1586-1595	7	17
50	The anatomy of single cell mass cytometry data. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2019</b> , 95, 156-172	4.6	55
49	Mass Cytometry Assays for Antigen-Specific T Cells Using CyTOF. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1678, 37-47	1.4	12
48	Multiparameter Intracellular Cytokine Staining. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1678, 151-166	1.4	16
47	Baseline immune profile by CyTOF can predict response to an investigational adjuvanted vaccine in elderly adults. <i>Journal of Translational Medicine</i> , <b>2018</b> , 16, 153	8.5	15
46	Distinct predictive biomarker candidates for response to anti-CTLA-4 and anti-PD-1 immunotherapy in melanoma patients <b>2018</b> , 6, 18		102
45	Interleukin 4 is inactivated via selective disulfide-bond reduction by extracellular thioredoxin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 8781-8786	11.5	10
44	MYC Functions As a Master Switch for Natural Killer Cell-Mediated Immune Surveillance of Lymphoid Malignancies. <i>Blood</i> , <b>2018</b> , 132, 2619-2619	2.2	1

43	Durable Responses with Pembrolizumab in Relapsed/Refractory Mycosis Fungoides and Sclary Syndrome: Final Results from a Phase 2 Multicenter Study. <i>Blood</i> , <b>2018</b> , 132, 2896-2896	2.2	2
42	A Proinflammatory Invariant Natural Killer T Cells Phenotypic State Associates with Human Graft-Versus-Host Disease Onset and Response. <i>Blood</i> , <b>2018</b> , 132, 2111-2111	2.2	
41	Differences in multiple immune parameters between Indian and U.S. infants. <i>PLoS ONE</i> , <b>2018</b> , 13, e0207397	3.97	4
40	Autoimmunity to hypocretin and molecular mimicry to flu in type 1 narcolepsy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E12323-E12332	11.5	102
39	Reply to Roerink et al: Methods for recruitment, serum separation, and storage were the same for patients and controls. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E9436	11.5	
38	Guidelines for the use of flow cytometry and cell sorting in immunological studies. <i>European Journal of Immunology</i> , <b>2017</b> , 47, 1584-1797	6.1	359
37	CytoF Measurement of Immunocompetence Across Major Immune Cell Types. <i>Current Protocols in Cytometry</i> , <b>2017</b> , 82, 9.54.1-9.54.12	3.6	12
36	Opening the Door on the CMV Immune Response in Aging. <i>Journal of Infectious Diseases</i> , <b>2017</b> , 215, 1179-1180	11.5	171
35	Cytokine signature associated with disease severity in chronic fatigue syndrome patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E7150-E7158	11.5	171
34	Assessing basophil activation by using flow cytometry and mass cytometry in blood stored 24 hours before analysis. <i>Journal of Allergy and Clinical Immunology</i> , <b>2017</b> , 139, 889-899.e11	11.5	59
33	Wild immunology assessed by multidimensional mass cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2017</b> , 91, 85-95	4.6	20
32	Isolation of Peripheral Blood Mononuclear Cells Using Vacutainer Cellular Preparation Tubes (CPT). <i>Bio-protocol</i> , <b>2017</b> , 7, e2103	0.9	5
31	A Prospective Clinical Trial Combining Radiation Therapy With Systemic Immunotherapy in Metastatic Melanoma. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2016</b> , 96, 578-88	4	151
30	Novel technologies and emerging biomarkers for personalized cancer immunotherapy <b>2016</b> , 4, 3		146
29	Successful immunotherapy induces previously unidentified allergen-specific CD4+ T-cell subsets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E1286-95	11.5	85
28	Immune Profiles to Predict Response to Desensitization Therapy in Highly HLA-Sensitized Kidney Transplant Candidates. <i>PLoS ONE</i> , <b>2016</b> , 11, e0153355	3.7	16
27	Platinum-conjugated antibodies for application in mass cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2016</b> , 89, 292-300	4.6	70
26	Defective Signaling in the JAK-STAT Pathway Tracks with Chronic Inflammation and Cardiovascular Risk in Aging Humans. <i>Cell Systems</i> , <b>2016</b> , 3, 374-384.e4	10.6	73

25	Autoantibody-Positive Healthy Individuals Display Unique Immune Profiles That May Regulate Autoimmunity. <i>Arthritis and Rheumatology</i> , <b>2016</b> , 68, 2492-502	9.5	57
24	Algorithmic Tools for Mining High-Dimensional Cytometry Data. <i>Journal of Immunology</i> , <b>2015</b> , 195, 773-9	5.3	74
23	Thinking outside the gate: single-cell assessments in multiple dimensions. <i>Immunity</i> , <b>2015</b> , 42, 591-2	32.3	51
22	Cytomegalovirus infection enhances the immune response to influenza. <i>Science Translational Medicine</i> , <b>2015</b> , 7, 281ra43	17.5	205
21	Multiparameter Phenotyping of Human PBMCs Using Mass Cytometry. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1343, 81-95	1.4	71
20	Predictors of clinical response to immunotherapy with or without radiotherapy. <i>Journal of Radiation Oncology</i> , <b>2015</b> , 4, 339-345	0.7	11
19	flowCL: ontology-based cell population labelling in flow cytometry. <i>Bioinformatics</i> , <b>2015</b> , 31, 1337-9	7.2	15
18	Immune monitoring technology primer: flow and mass cytometry <b>2015</b> , 3, 44		19
17	Mass cytometry as a platform for the discovery of cellular biomarkers to guide effective rheumatic disease therapy. <i>Arthritis Research and Therapy</i> , <b>2015</b> , 17, 127	5.7	41
16	Barcoding of live human peripheral blood mononuclear cells for multiplexed mass cytometry. <i>Journal of Immunology</i> , <b>2015</b> , 194, 2022-31	5.3	109
15	Variation in the human immune system is largely driven by non-heritable influences. <i>Cell</i> , <b>2015</b> , 160, 37-47	46.2	586
14	Large-Scale and Comprehensive Immune Profiling and Functional Analysis of Normal Human Aging. <i>PLoS ONE</i> , <b>2015</b> , 10, e0133627	3.7	61
13	Intracellular Cytokine Staining on PBMCs Using CyTOF Mass Cytometry. <i>Bio-protocol</i> , <b>2015</b> , 5,	0.9	17
12	Effects of serum and plasma matrices on multiplex immunoassays. <i>Immunologic Research</i> , <b>2014</b> , 58, 224-33	3.3	80
11	Monitoring the immune competence of cancer patients to predict outcome. <i>Cancer Immunology, Immunotherapy</i> , <b>2014</b> , 63, 713-9	7.4	34
10	IFN priming is necessary but not sufficient to turn on a migratory dendritic cell program in lupus monocytes. <i>Journal of Immunology</i> , <b>2014</b> , 192, 5586-98	5.3	27
9	Vitamin d deficiency in a multiethnic healthy control cohort and altered immune response in vitamin D deficient European-American healthy controls. <i>PLoS ONE</i> , <b>2014</b> , 9, e94500	3.7	31
8	Reducing variability in flow cytometry. <i>Nature Reviews Immunology</i> , <b>2012</b> , 12, 396-396	36.5	1

7	New tools for classification and monitoring of autoimmune diseases. <i>Nature Reviews Rheumatology</i> , <b>2012</b> , 8, 317-28	8.1	73
6	Standardizing immunophenotyping for the Human Immunology Project. <i>Nature Reviews Immunology</i> , <b>2012</b> , 12, 191-200	36.5	674
5	A model for harmonizing flow cytometry in clinical trials. <i>Nature Immunology</i> , <b>2010</b> , 11, 975-8	19.1	105
4	CD81 (TAPA-1): a molecule involved in signal transduction and cell adhesion in the immune system. <i>Annual Review of Immunology</i> , <b>1998</b> , 16, 89-109	34.7	420
3	Normal lymphocyte development but delayed humoral immune response in CD81-null mice. <i>Journal of Experimental Medicine</i> , <b>1997</b> , 185, 1505-10	16.6	209
2	The tetraspanin superfamily: molecular facilitators. <i>FASEB Journal</i> , <b>1997</b> , 11, 428-442	0.9	784
1	DNA fragmentation and cell death mediated by T cell antigen receptor/CD3 complex on a leukemia T cell line. <i>European Journal of Immunology</i> , <b>1989</b> , 19, 1911-9	6.1	63