

Catherine C Hedrick

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

8,385
citations

172457

29
h-index

197818

49
g-index

60
all docs

60
docs citations

60
times ranked

14279
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the tumor immune microenvironment (TIME) for effective therapy. <i>Nature Medicine</i> , 2018, 24, 541-550.	30.7	3,421
2	Atlas of the Immune Cell Repertoire in Mouse Atherosclerosis Defined by Single-Cell RNA-Sequencing and Mass Cytometry. <i>Circulation Research</i> , 2018, 122, 1675-1688.	4.5	377
3	Patrolling monocytes control tumor metastasis to the lung. <i>Science</i> , 2015, 350, 985-990.	12.6	370
4	Oxidized phospholipids are proinflammatory and proatherogenic in hypercholesterolaemic mice. <i>Nature</i> , 2018, 558, 301-306.	27.8	359
5	Neutrophils: New insights and open questions. <i>Science Immunology</i> , 2018, 3, .	11.9	348
6	Monocyte heterogeneity and functions in cancer. <i>Journal of Leukocyte Biology</i> , 2019, 106, 309-322.	3.3	330
7	Nonclassical Monocytes in Health and Disease. <i>Annual Review of Immunology</i> , 2019, 37, 439-456.	21.8	294
8	Nonclassical Patrolling Monocyte Function in the Vasculature. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1306-1316.	2.4	274
9	Neutrophils in cancer: heterogeneous and multifaceted. <i>Nature Reviews Immunology</i> , 2022, 22, 173-187.	22.7	241
10	Meta-Analysis of Leukocyte Diversity in Atherosclerotic Mouse Aortas. <i>Circulation Research</i> , 2020, 127, 402-426.	4.5	207
11	Identification of an Early Unipotent Neutrophil Progenitor with Pro-tumoral Activity in Mouse and Human Bone Marrow. <i>Cell Reports</i> , 2018, 24, 2329-2341.e8.	6.4	159
12	The cholesterol transporter ABCG1 links cholesterol homeostasis and tumour immunity. <i>Nature Communications</i> , 2015, 6, 6354.	12.8	146
13	Human Blood Monocyte Subsets. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 1548-1558.	2.4	141
14	Human Monocyte Heterogeneity as Revealed by High-Dimensional Mass Cytometry. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 25-36.	2.4	130
15	Apolipoprotein AI prevents regulatory to follicular helper T cell switching during atherosclerosis. <i>Nature Communications</i> , 2018, 9, 1095.	12.8	129
16	Deleting an Nr4a1 Super-Enhancer Subdomain Ablates Ly6C low Monocytes while Preserving Macrophage Gene Function. <i>Immunity</i> , 2016, 45, 975-987.	14.3	127
17	A Critical Role for ABCG1 in Macrophage Inflammation and Lung Homeostasis. <i>Journal of Immunology</i> , 2008, 180, 4273-4282.	0.8	110
18	Transcription factor Nr4a1 couples sympathetic and inflammatory cues in CNS-recruited macrophages to limit neuroinflammation. <i>Nature Immunology</i> , 2015, 16, 1228-1234.	14.5	104

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19	Pathogenic Autoimmunity in Atherosclerosis Evolves From Initially Protective Apolipoprotein B ₁₀₀ â€œReactive CD4 ⁺ T-Regulatory Cells. <i>Circulation</i> , 2020, 142, 1279-1293.	1.6	100
20	M1^{hot}tumor-associated macrophages boost tissue-resident memory T cells infiltration and survival in human lung cancer. , 2020, 8, e000778.		99
21	Perivascular localization of macrophages in the intestinal mucosa is regulated by Nr4a1 and the microbiome. <i>Nature Communications</i> , 2020, 11, 1329.	12.8	75
22	Lymphocytes in Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 253-257.	2.4	73
23	Coexpression of CD71 and CD117 Identifies an Early Unipotent Neutrophil Progenitor Population in Human Bone Marrow. <i>Immunity</i> , 2020, 53, 319-334.e6.	14.3	70
24	Integrated single-cell transcriptome analysis reveals heterogeneity of esophageal squamous cell carcinoma microenvironment. <i>Nature Communications</i> , 2021, 12, 7335.	12.8	69
25	Scavenger Receptor CD36 Directs Nonclassical Monocyte Patrolling Along the Endothelium During Early Atherogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 2043-2052.	2.4	65
26	Patrolling Mechanics of Non-Classical Monocytes in Vascular Inflammation. <i>Frontiers in Cardiovascular Medicine</i> , 2017, 4, 80.	2.4	64
27	Loss of ABCG1 influences regulatory T cell differentiation and atherosclerosis. <i>Journal of Clinical Investigation</i> , 2016, 126, 3236-3246.	8.2	60
28	2014 Jeffrey M. Hoeg Award Lecture. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 1722-1733.	2.4	52
29	Cutting Edge: The Orphan Nuclear Receptor Nr4a1 Regulates CD8+ T Cell Expansion and Effector Function through Direct Repression of Irf4. <i>Journal of Immunology</i> , 2015, 195, 3515-3519.	0.8	40
30	The transcription factor NR4A1 is essential for the development of a novel macrophage subset in the thymus. <i>Scientific Reports</i> , 2015, 5, 10055.	3.3	39
31	The Nuclear Receptor Nr4a1 Controls CD8 T Cell Development Through Transcriptional Suppression of Runx3. <i>Scientific Reports</i> , 2015, 5, 9059.	3.3	33
32	CytoF mass cytometry reveals phenotypically distinct human blood neutrophil populations differentially correlated with melanoma stage. , 2020, 8, e000473.		31
33	Patrolling Monocytes Control NK Cell Expression of Activating and Stimulatory Receptors to Curtail Lung Metastases. <i>Journal of Immunology</i> , 2020, 204, 192-198.	0.8	28
34	ATP Binding Cassette Transporter ABCA7 Regulates NKT Cell Development and Function by Controlling CD1d Expression and Lipid Raft Content. <i>Scientific Reports</i> , 2017, 7, 40273.	3.3	27
35	Gammadelta (Î³Î´) T lymphocytes do not impact the development of early atherosclerosis. <i>Atherosclerosis</i> , 2014, 234, 265-269.	0.8	25
36	Cellular sensing of extracellular purine nucleosides triggers an innate IFN-Î² response. <i>Science Advances</i> , 2020, 6, eaba3688.	10.3	24

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37	Functional crosstalk between T cells and monocytes in cancer and atherosclerosis. <i>Journal of Leukocyte Biology</i> , 2020, 108, 297-308.	3.3	17
38	Single cell transcriptomics and TCR reconstruction reveal CD4 T cell response to MHC-II-restricted APOB epitope in human cardiovascular disease. , 2022, 1, 462-475.		16
39	Frontline Science: Kindlin-3 is essential for patrolling and phagocytosis functions of nonclassical monocytes during metastatic cancer surveillance. <i>Journal of Leukocyte Biology</i> , 2020, 107, 883-892.	3.3	15
40	Neuropilin-1 Expression on CD4 T Cells Is Atherogenic and Facilitates T Cell Migration to the Aorta in Atherosclerosis. <i>Journal of Immunology</i> , 2019, 203, 3237-3246.	0.8	14
41	Cardif (MAVS) Regulates the Maturation of NK Cells. <i>Journal of Immunology</i> , 2015, 195, 2157-2167.	0.8	13
42	Stressing out stem cells: linking stress and hematopoiesis in cardiovascular disease. <i>Nature Medicine</i> , 2014, 20, 707-708.	30.7	12
43	Atherosclerosis Impairs Naive CD4 T-Cell Responses via Disruption of Glycolysis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 2387-2398.	2.4	11
44	Naive CD8 + T Cells Expressing CD95 Increase Human Cardiovascular Disease Severity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2845-2859.	2.4	8
45	Preparation of Whole Bone Marrow for Mass Cytometry Analysis of Neutrophil-lineage Cells. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	7
46	Bone Marrow Transplantation Rescues Monocyte Recruitment Defect and Improves Cystic Fibrosis in Mice. <i>Journal of Immunology</i> , 2022, 208, 745-752.	0.8	7
47	CD33 Expression on Peripheral Blood Monocytes Predicts Efficacy of Anti-PD-1 Immunotherapy Against Non-Small Cell Lung Cancer. <i>Frontiers in Immunology</i> , 2022, 13, 842653.	4.8	7
48	Hematopoietic stem cells gone rogue. <i>Science</i> , 2017, 355, 798-799.	12.6	4
49	Update on Gender Equity in Immunology, 2001 to 2016. <i>Journal of Immunology</i> , 2016, 197, 3751-3753.	0.8	2
50	The atypical small GTPase GEM/Kir is a negative regulator of the NADPH oxidase and NETs production through macroautophagy. <i>Journal of Leukocyte Biology</i> , 2021, 110, 629-649.	3.3	2
51	Flow Cytometry and for Measuring the Immune Infiltrate in Atherosclerotic Arteries. <i>Methods in Molecular Biology</i> , 2022, 2419, 779-800.	0.9	1
52	Abstract 87: Sterol-Mediated Regulation of β 1 T Lymphocytes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, .	2.4	0
53	Abstract 544: Nrp-1+Foxp3-CD4 T Cells Are a Novel Subset of T Lymphocytes that Are Induced in Aorta During Development of Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, .	2.4	0
54	Abstract 408: Identifying the Molecular Basis of Monocyte Development Using Enhancer Profiling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, .	2.4	0

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55	Abstract 20: Apolipoprotein A-I Influences Regulatory T Cell Development and Proliferation in Homeostasis and Atherogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, .	2.4	0
56	Abstract 361: Oxidized Phospholipids Are Proinflammatory and Proatherogenic. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, .	2.4	0
57	Abstract 1: Human Monocyte Diversity in Cardiovascular Disease Revealed by Mass Cytometry. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, .	2.4	0
58	Abstract 61: T Cell-Specific Deficiency of ABCG1 Protects Against Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, .	2.4	0