

Slava Epelman

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

9,673
citations

101543

36
h-index

110387

64
g-index

74
all docs

74
docs citations

74
times ranked

13498
citing authors

#	ARTICLE	IF	CITATIONS
1	Origin and Functions of Tissue Macrophages. <i>Immunity</i> , 2014, 41, 21-35.	14.3	1,191
2	Embryonic and Adult-Derived Resident Cardiac Macrophages Are Maintained through Distinct Mechanisms at Steady State and during Inflammation. <i>Immunity</i> , 2014, 40, 91-104.	14.3	1,120
3	Origin, fate and dynamics of macrophages at central nervous system interfaces. <i>Nature Immunology</i> , 2016, 17, 797-805.	14.5	872
4	Distinct macrophage lineages contribute to disparate patterns of cardiac recovery and remodeling in the neonatal and adult heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16029-16034.	7.1	576
5	Self-renewing resident cardiac macrophages limit adverse remodeling following myocardial infarction. <i>Nature Immunology</i> , 2019, 20, 29-39.	14.5	537
6	Role of innate and adaptive immune mechanisms in cardiac injury and repair. <i>Nature Reviews Immunology</i> , 2015, 15, 117-129.	22.7	479
7	Chronic Heart Failure and Inflammation. <i>Circulation Research</i> , 2016, 119, 159-176.	4.5	475
8	The human heart contains distinct macrophage subsets with divergent origins and functions. <i>Nature Medicine</i> , 2018, 24, 1234-1245.	30.7	439
9	Tissue Resident CCR2 ^{hi} and CCR2 ^{lo} Cardiac Macrophages Differentially Orchestrate Monocyte Recruitment and Fate Specification Following Myocardial Injury. <i>Circulation Research</i> , 2019, 124, 263-278.	4.5	424
10	Self-renewing resident arterial macrophages arise from embryonic CX3CR1 ⁺ precursors and circulating monocytes immediately after birth. <i>Nature Immunology</i> , 2016, 17, 159-168.	14.5	275
11	Exploiting macrophage autophagy-lysosomal biogenesis as a therapy for atherosclerosis. <i>Nature Communications</i> , 2017, 8, 15750.	12.8	258
12	The pancreas anatomy conditions the origin and properties of resident macrophages. <i>Journal of Experimental Medicine</i> , 2015, 212, 1497-1512.	8.5	235
13	Detection of Soluble Angiotensin-Converting Enzyme 2 in Heart Failure. <i>Journal of the American College of Cardiology</i> , 2008, 52, 750-754.	2.8	231
14	Primitive Embryonic Macrophages are Required for Coronary Development and Maturation. <i>Circulation Research</i> , 2016, 118, 1498-1511.	4.5	225
15	Induction of Lysosomal Biogenesis in Atherosclerotic Macrophages Can Rescue Lipid-Induced Lysosomal Dysfunction and Downstream Sequelae. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1942-1952.	2.4	187
16	Soluble Angiotensin-Converting Enzyme 2 in Human Heart Failure: Relation With Myocardial Function and Clinical Outcomes. <i>Journal of Cardiac Failure</i> , 2009, 15, 565-571.	1.7	180
17	Three tissue resident macrophage subsets coexist across organs with conserved origins and life cycles. <i>Science Immunology</i> , 2022, 7, eabf7777.	11.9	167
18	The Macrophage in Cardiac Homeostasis and Disease. <i>Journal of the American College of Cardiology</i> , 2018, 72, 2213-2230.	2.8	149

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19	CD8 T Cell-Mediated Killing of <i>Cryptococcus neoformans</i> Requires Granulysin and Is Dependent on CD4 T Cells and IL-15. <i>Journal of Immunology</i> , 2002, 169, 5787-5795.	0.8	142
20	Necrotic Myocardial Cells Release Damage-Associated Molecular Patterns That Provoke Fibroblast Activation In Vitro and Trigger Myocardial Inflammation and Fibrosis In Vivo. <i>Journal of the American Heart Association</i> , 2015, 4, e001993.	3.7	136
21	Limited proliferation capacity of aortic intima resident macrophages requires monocyte recruitment for atherosclerotic plaque progression. <i>Nature Immunology</i> , 2020, 21, 1194-1204.	14.5	115
22	NK Cells Use Perforin Rather than Granulysin for Anticryptococcal Activity. <i>Journal of Immunology</i> , 2004, 173, 3357-3365.	0.8	100
23	High-protein diets increase cardiovascular risk by activating macrophage mTOR to suppress mitophagy. <i>Nature Metabolism</i> , 2020, 2, 110-125.	11.9	85
24	Machine learning vs. conventional statistical models for predicting heart failure readmission and mortality. <i>ESC Heart Failure</i> , 2021, 8, 106-115.	3.1	82
25	Resident cardiac macrophages mediate adaptive myocardial remodeling. <i>Immunity</i> , 2021, 54, 2072-2088.e7.	14.3	76
26	Different Domains of <i>Pseudomonas aeruginosa</i> Exoenzyme S Activate Distinct TLRs. <i>Journal of Immunology</i> , 2004, 173, 2031-2040.	0.8	72
27	Lipopolysaccharide-Stimulated or Granulocyte-Macrophage Colony-Stimulating Factor-Stimulated Monocytes Rapidly Express Biologically Active IL-15 on Their Cell Surface Independent of New Protein Synthesis. <i>Journal of Immunology</i> , 2001, 167, 5011-5017.	0.8	69
28	Selective loss of resident macrophage-derived insulin-like growth factor-1 abolishes adaptive cardiac growth to stress. <i>Immunity</i> , 2021, 54, 2057-2071.e6.	14.3	55
29	Trehalose causes low-grade lysosomal stress to activate TFEB and the autophagy-lysosome biogenesis response. <i>Autophagy</i> , 2021, 17, 3740-3752.	9.1	54
30	Monocyte Surface-Bound IL-15 Can Function as an Activating Receptor and Participate in Reverse Signaling. <i>Journal of Immunology</i> , 2004, 172, 4225-4234.	0.8	53
31	A CD103+ Conventional Dendritic Cell Surveillance System Prevents Development of Overt Heart Failure during Subclinical Viral Myocarditis. <i>Immunity</i> , 2017, 47, 974-989.e8.	14.3	50
32	Two populations of self-maintaining monocyte-independent macrophages exist in adult epididymis and testis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	49
33	<i>Pseudomonas aeruginosa</i> Exoenzyme S Induces Transcriptional Expression of Proinflammatory Cytokines and Chemokines. <i>Infection and Immunity</i> , 2000, 68, 4811-4814.	2.2	44
34	Conventional Dendritic Cells Impair Recovery after Myocardial Infarction. <i>Journal of Immunology</i> , 2018, 201, 1784-1798.	0.8	43
35	Exploring cardiac macrophage heterogeneity in the healthy and diseased myocardium. <i>Current Opinion in Immunology</i> , 2021, 68, 54-63.	5.5	38
36	Therapeutic targeting of innate immunity in the failing heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 51, 594-599.	1.9	37

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37	Alternatively Activated Macrophages Drive Browning of White Adipose Tissue in Burns. <i>Annals of Surgery</i> , 2019, 269, 554-563.	4.2	29
38	Machine Learning Compared With Conventional Statistical Models for Predicting Myocardial Infarction Readmission and Mortality: A Systematic Review. <i>Canadian Journal of Cardiology</i> , 2021, 37, 1207-1214.	1.7	29
39	Dynamic CD4+ T cell heterogeneity defines subset-specific suppression and PD-L1-blockade-driven functional restoration in chronic infection. <i>Nature Immunology</i> , 2021, 22, 1524-1537.	14.5	26
40	Eptifibatide-induced thrombocytopenia and thrombosis. <i>Journal of Thrombosis and Thrombolysis</i> , 2006, 22, 151-154.	2.1	25
41	Communication in the Heart: the Role of the Innate Immune System in Coordinating Cellular Responses to Ischemic Injury. <i>Journal of Cardiovascular Translational Research</i> , 2012, 5, 827-836.	2.4	25
42	Increasing Serum Soluble Angiotensin-Converting Enzyme 2 Activity After Intensive Medical Therapy Is Associated With Better Prognosis in Acute Decompensated Heart Failure. <i>Journal of Cardiac Failure</i> , 2013, 19, 605-610.	1.7	25
43	Peripheral monocyte-derived cells counter amyloid plaque pathogenesis in a mouse model of Alzheimer's disease. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	25
44	Interrupting reactivation of immunologic memory diverts the allergic response and prevents anaphylaxis. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 1381-1392.	2.9	21
45	Using High-Dimensional Approaches to Probe Monocytes and Macrophages in Cardiovascular Disease. <i>Frontiers in Immunology</i> , 2019, 10, 2146.	4.8	17
46	Medical mitigation strategies for acute radiation exposure during spaceflight. <i>Aviation, Space, and Environmental Medicine</i> , 2006, 77, 130-9.	0.5	13
47	Macrophage Immunomodulation Through New Polymers that Recapitulate Functional Effects of Itaconate as a Power House of Innate Immunity. <i>Advanced Functional Materials</i> , 2021, 31, 2003341.	14.9	12
48	Radiation Impacts Early Atherosclerosis by Suppressing Intimal LDL Accumulation. <i>Circulation Research</i> , 2021, 128, 530-543.	4.5	12
49	Microbial Products Activate Monocytic Cells through Detergent-Resistant Membrane Microdomains. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 39, 657-665.	2.9	11
50	Distinct fates of monocytes and T cells directly activated by <i>Pseudomonas aeruginosa</i> exoenzyme S. <i>Journal of Leukocyte Biology</i> , 2002, 71, 458-68.	3.3	10
51	Isolation and Identification of Extravascular Immune Cells of the Heart. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	9
52	Monocyte-Derived Macrophages: The Missing Link in Organ Transplantation. <i>Immunity</i> , 2018, 49, 783-785.	14.3	7
53	Enterococcal Endocarditis Presenting as an Isolated Aortic Valve Aneurysm: Case Report and Review of Literature. <i>Journal of the American Society of Echocardiography</i> , 2008, 21, 1391.e5-1391.e6.	2.8	6
54	A cardioimmunologist's toolkit: genetic tools to dissect immune cells in cardiac disease. <i>Nature Reviews Cardiology</i> , 2022, 19, 395-413.	13.7	6

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55	Diversity in the Expressed Genomic Host Response to Myocardial Infarction. <i>Circulation Research</i> , 2022, 131, 106-108.	4.5	6
56	Membrane CD14, but not soluble CD14, is used by exoenzyme S from <i>P. aeruginosa</i> to signal proinflammatory cytokine production. <i>Journal of Leukocyte Biology</i> , 2011, 90, 189-198.	3.3	5
57	Cardiac Macrophages, Reactive Oxygen Species, and Development of Left Ventricular Dysfunction. <i>JACC Basic To Translational Science</i> , 2017, 2, 699-701.	4.1	3
58	Endocannabinoid signalling: bone marrow monocytes and neutrophils follow their nose into ischaemic tissue. <i>Cardiovascular Research</i> , 2019, 115, 482-484.	3.8	2
59	H ₂ S – The Newest Gaseous Messenger on the Block. <i>Journal of Cardiac Failure</i> , 2012, 18, 597-599.	1.7	1
60	Next-Generation Approaches to Predicting the Need for Heart Failure Hospitalization. <i>Canadian Journal of Cardiology</i> , 2019, 35, 379-381.	1.7	1
61	Tissue-Reparative Benefits of MST1/2 Inhibition: Separating the Wheat From the Chaff. <i>Circulation Research</i> , 2021, 129, 927-929.	4.5	1
62	Rel-driven monocyte-derived macrophages push the pressured heart over the edge. <i>Cardiovascular Research</i> , 2022, 118, 1167-1169.	3.8	1
63	Antigen and Memory CD8 T Cells: Were They Both Right?. <i>Allergy, Asthma and Clinical Immunology</i> , 2007, 3, 37.	2.0	0
64	Cheolho Cheong (1974–2016). <i>Cell Metabolism</i> , 2016, 24, 187-188.	16.2	0
65	Microbes and genes in heart failure. <i>Science</i> , 2019, 366, 806-807.	12.6	0
66	Therapeutic Treatment Approaches Post-Myocardial Infarction. <i>JACC Basic To Translational Science</i> , 2019, 4, 921-923.	4.1	0
67	Antigen and Memory CD8 T Cells: Were They Both Right?. <i>Allergy, Asthma and Clinical Immunology</i> , 2007, 03, 37.	2.0	0