Slava Epelman

List of Publications by Year in Descending Order

57 papers	6,213 citations	29 h-index	74 g-index
74 ext. papers	8,149 ext. citations	12.7 avg, IF	5.95 L-index

#	Paper	IF	Citations
57	Three tissue resident macrophage subsets coexist across organs with conserved origins and life cycles.. *Science Immunology*, **2022**, 7, eabf7777	28	13
56	A cardioimmunologistЂs toolkit: genetic tools to dissect immune cells in cardiac disease.. *Nature Reviews Cardiology*, **2022**, 19, 395-413	14.8	0
55	Diversity in the Expressed Genomic Host Response to Myocardial Infarction.. *Circulation Research*, **2022**, 101161CIRCRESAHA121318391	15.7	0
54	Dynamic CD4 T cell heterogeneity defines subset-specific suppression and PD-L1-blockade-driven functional restoration in chronic infection. *Nature Immunology*, **2021**, 22, 1524-1537	19.1	3
53	Two populations of self-maintaining monocyte-independent macrophages exist in adult epididymis and testis. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	18
52	Trehalose causes low-grade lysosomal stress to activate TFEB and the autophagy-lysosome biogenesis response. *Autophagy*, **2021**, 17, 3740-3752	10.2	10
51	Machine learning vs. conventional statistical models for predicting heart failure readmission and mortality. *ESC Heart Failure*, **2021**, 8, 106-115	3.7	22
50	Macrophage immunomodulation through new polymers that recapitulate functional effects of itaconate as a power house of innate immunity. *Advanced Functional Materials*, **2021**, 31, 2003341	15.6	3
49	Interrupting reactivation of immunologic memory diverts the allergic response and prevents anaphylaxis. *Journal of Allergy and Clinical Immunology*, **2021**, 147, 1381-1392	11.5	10
48	Exploring cardiac macrophage heterogeneity in the healthy and diseased myocardium. *Current Opinion in Immunology*, **2021**, 68, 54-63	7.8	15
47	Radiation Impacts Early Atherosclerosis by Suppressing Intimal LDL Accumulation. *Circulation Research*, **2021**, 128, 530-543	15.7	3
46	Machine Learning Compared With Conventional Statistical Models for Predicting Myocardial Infarction Readmission and Mortality: A Systematic Review. *Canadian Journal of Cardiology*, **2021**, 37, 1207-1214	3.8	7
45	Selective loss of resident macrophage-derived insulin-like growth factor-1 abolishes adaptive cardiac growth to stress. *Immunity*, **2021**, 54, 2057-2071.e6	32.3	14
44	Resident cardiac macrophages mediate adaptive myocardial remodeling. *Immunity*, **2021**, 54, 2072-2088.e7	32.3	19
43	High-protein diets increase cardiovascular risk by activating macrophage mTOR to suppress mitophagy. *Nature Metabolism*, **2020**, 2, 110-125	14.6	33
42	Limited proliferation capacity of aortic intima resident macrophages requires monocyte recruitment for atherosclerotic plaque progression. *Nature Immunology*, **2020**, 21, 1194-1204	19.1	51
41	Using High-Dimensional Approaches to Probe Monocytes and Macrophages in Cardiovascular Disease. *Frontiers in Immunology*, **2019**, 10, 2146	8.4	13

40	Microbes and genes in heart failure. *Science*, **2019**, 366, 806-807	33.3	
39	Tissue Resident CCR2- and CCR2+ Cardiac Macrophages Differentially Orchestrate Monocyte Recruitment and Fate Specification Following Myocardial Injury. *Circulation Research*, **2019**, 124, 263-278	15.7	207
38	Self-renewing resident cardiac macrophages limit adverse remodeling following myocardial infarction. *Nature Immunology*, **2019**, 20, 29-39	19.1	263
37	Alternatively Activated Macrophages Drive Browning of White Adipose Tissue in Burns. *Annals of Surgery*, **2019**, 269, 554-563	7.8	20
36	Conventional Dendritic Cells Impair Recovery after Myocardial Infarction. *Journal of Immunology*, **2018**, 201, 1784-1798	5.3	29
35	Isolation and Identification of Extravascular Immune Cells of the Heart. *Journal of Visualized Experiments*, **2018**,	1.6	4
34	The human heart contains distinct macrophage subsets with divergent origins and functions. *Nature Medicine*, **2018**, 24, 1234-1245	50.5	229
33	Monocyte-Derived Macrophages: The Missing Link in Organ Transplantation. *Immunity*, **2018**, 49, 783-785	32.3	3
32	The Macrophage in Cardiac Homeostasis and Disease: JACC Macrophage in CVD Series (Part 4). *Journal of the American College of Cardiology*, **2018**, 72, 2213-2230	15.1	75
31	Exploiting macrophage autophagy-lysosomal biogenesis as a therapy for atherosclerosis. *Nature Communications*, **2017**, 8, 15750	17.4	188
30	A CD103 Conventional Dendritic Cell Surveillance System Prevents Development of Overt Heart Failure during Subclinical Viral Myocarditis. *Immunity*, **2017**, 47, 974-989.e8	32.3	33
29	Chronic Heart Failure and Inflammation: What Do We Really Know?. *Circulation Research*, **2016**, 119, 159-76	15.7	286
28	Self-renewing resident arterial macrophages arise from embryonic CX3CR1(+) precursors and circulating monocytes immediately after birth. *Nature Immunology*, **2016**, 17, 159-68	19.1	209
27	Primitive Embryonic Macrophages are Required for Coronary Development and Maturation. *Circulation Research*, **2016**, 118, 1498-511	15.7	130
26	Origin, fate and dynamics of macrophages at central nervous system interfaces. *Nature Immunology*, **2016**, 17, 797-805	19.1	572
25	The pancreas anatomy conditions the origin and properties of resident macrophages. *Journal of Experimental Medicine*, **2015**, 212, 1497-512	16.6	173
24	Necrotic myocardial cells release damage-associated molecular patterns that provoke fibroblast activation in vitro and trigger myocardial inflammation and fibrosis in vivo. *Journal of the American Heart Association*, **2015**, 4, e001993	6	104
23	Role of innate and adaptive immune mechanisms in cardiac injury and repair. *Nature Reviews Immunology*, **2015**, 15, 117-29	36.5	337

22	Embryonic and adult-derived resident cardiac macrophages are maintained through distinct mechanisms at steady state and during inflammation. *Immunity*, **2014**, 40, 91-104	32.3	825
21	Distinct macrophage lineages contribute to disparate patterns of cardiac recovery and remodeling in the neonatal and adult heart. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 16029-34	11.5	397
20	Origin and functions of tissue macrophages. *Immunity*, **2014**, 41, 21-35	32.3	828
19	Induction of lysosomal biogenesis in atherosclerotic macrophages can rescue lipid-induced lysosomal dysfunction and downstream sequelae. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 1942-1952	9.4	147
18	Increasing serum soluble angiotensin-converting enzyme 2 activity after intensive medical therapy is associated with better prognosis in acute decompensated heart failure. *Journal of Cardiac Failure*, **2013**, 19, 605-10	3.3	19
17	Communication in the heart: the role of the innate immune system in coordinating cellular responses to ischemic injury. *Journal of Cardiovascular Translational Research*, **2012**, 5, 827-36	3.3	22
16	Therapeutic targeting of innate immunity in the failing heart. *Journal of Molecular and Cellular Cardiology*, **2011**, 51, 594-9	5.8	33
15	Membrane CD14, but not soluble CD14, is used by exoenzyme S from P. aeruginosa to signal proinflammatory cytokine production. *Journal of Leukocyte Biology*, **2011**, 90, 189-98	6.5	5
14	Soluble angiotensin-converting enzyme 2 in human heart failure: relation with myocardial function and clinical outcomes. *Journal of Cardiac Failure*, **2009**, 15, 565-71	3.3	154
13	Detection of soluble angiotensin-converting enzyme 2 in heart failure: insights into the endogenous counter-regulatory pathway of the renin-angiotensin-aldosterone system. *Journal of the American College of Cardiology*, **2008**, 52, 750-4	15.1	199
12	Enterococcal endocarditis presenting as an isolated aortic valve aneurysm: case report and review of literature. *Journal of the American Society of Echocardiography*, **2008**, 21, 1391.e5-6	5.8	5
11	Microbial products activate monocytic cells through detergent-resistant membrane microdomains. *American Journal of Respiratory Cell and Molecular Biology*, **2008**, 39, 657-65	5.7	10
10	Antigen and memory CD8 T cells: were they both right?. *Allergy, Asthma and Clinical Immunology*, **2007**, 3, 37-9	3.2	
9	Eptifibatide-induced thrombocytopenia and thrombosis. *Journal of Thrombosis and Thrombolysis*, **2006**, 22, 151-4	5.1	19
8	Medical mitigation strategies for acute radiation exposure during spaceflight. *Aviation, Space, and Environmental Medicine*, **2006**, 77, 130-9		12
7	Monocyte surface-bound IL-15 can function as an activating receptor and participate in reverse signaling. *Journal of Immunology*, **2004**, 172, 4225-34	5.3	48
6	NK cells use perforin rather than granulysin for anticryptococcal activity. *Journal of Immunology*, **2004**, 173, 3357-65	5.3	89
5	Different domains of Pseudomonas aeruginosa exoenzyme S activate distinct TLRs. *Journal of Immunology*, **2004**, 173, 2031-40	5.3	59

4	CD8 T cell-mediated killing of Cryptococcus neoformans requires granulysin and is dependent on CD4 T cells and IL-15. *Journal of Immunology*, **2002**, 169, 5787-95	5.3	117
3	Distinct fates of monocytes and T cells directly activated by Pseudomonas aeruginosa exoenzyme S. *Journal of Leukocyte Biology*, **2002**, 71, 458-68	6.5	10
2	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. *Journal of Immunology*, **2001**, 167, 5011-7	5.3	63
1	Pseudomonas aeruginosa exoenzyme S induces transcriptional expression of proinflammatory cytokines and chemokines. *Infection and Immunity*, **2000**, 68, 4811-4	3.7	38