Filip K Swirski

List of Publications by Year in Descending Order

171 papers	22,681 citations	76 h-index	150 g-index
197 ext. papers	27,093 ext. citations	15.3 avg, IF	6.95 L-index

#	Paper	IF	Citations
171	Bone marrow endothelial dysfunction promotes myeloid cell expansion in cardiovascular disease **2022**, 1, 28-44		4
170	B lymphocyte-derived acetylcholine limits steady-state and emergency hematopoiesis.. *Nature Immunology*, **2022**, 23, 605-618	19.1	6
169	Sepsis promotes splenic production of a protective platelet pool with high CD40 ligand expression.. *Journal of Clinical Investigation*, **2022**,	15.9	2
168	Cerebrospinal fluid can exit into the skull bone marrow and instruct cranial hematopoiesis in mice with bacterial meningitis.. *Nature Neuroscience*, **2022**,	25.5	4
167	Spontaneous Degenerative Aortic Valve Disease in New Zealand Obese Mice. *Journal of the American Heart Association*, **2021**, 10, e023131	6	1
166	Increased stem cell proliferation in atherosclerosis accelerates clonal hematopoiesis. *Cell*, **2021**, 184, 1348-1361.e22	56.2	49
165	Prosaposin mediates inflammation in atherosclerosis. *Science Translational Medicine*, **2021**, 13,	17.5	7
164	Astrocytic interleukin-3 programs microglia and limits Alzheimer's disease. *Nature*, **2021**, 595, 701-706	50.4	41
163	Interleukin-3 is a predictive marker for severity and outcome during SARS-CoV-2 infections. *Nature Communications*, **2021**, 12, 1112	17.4	18
162	Chronic stress primes innate immune responses in mice and humans. *Cell Reports*, **2021**, 36, 109595	10.6	11
161	Inhibition of macrophage proliferation dominates plaque regression in response to cholesterol lowering. *Basic Research in Cardiology*, **2020**, 115, 78	11.8	19
160	Multimodal imaging of bacterial-host interface in mice and piglets with endocarditis. *Science Translational Medicine*, **2020**, 12,	17.5	1
159	A durable murine model of spleen transplantation with arterial and venous anastomoses. *Scientific Reports*, **2020**, 10, 3979	4.9	1
158	Diminished Reactive Hematopoiesis and Cardiac Inflammation in a Mouse Model of Recurrent Myocardial Infarction. *Journal of the American College of Cardiology*, **2020**, 75, 901-915	15.1	18
157	Bone Marrow Endothelial Cells Regulate Myelopoiesis in Diabetes Mellitus. *Circulation*, **2020**, 142, 244-256	38.7	17
156	Imaging Cardiovascular and Lung Macrophages With the Positron Emission Tomography Sensor Cu-Macrin in Mice, Rabbits, and Pigs. *Circulation: Cardiovascular Imaging*, **2020**, 13, e010586	3.9	7
155	Nanoparticle-encapsulated siRNAs for gene silencing in the haematopoietic stem-cell niche. *Nature Biomedical Engineering*, **2020**, 4, 1076-1089	19	29

154	Liver X receptors are required for thymic resilience and T cell output. *Journal of Experimental Medicine*, **2020**, 217,	16.6	10
153	Probing myeloid cell dynamics in ischaemic heart disease by nanotracer hot-spot imaging. *Nature Nanotechnology*, **2020**, 15, 398-405	28.7	20
152	Modifiable Cardiovascular Risk, Hematopoiesis, and Innate Immunity. *Circulation Research*, **2020**, 126, 1242-1259	15.7	34
151	Hematopoiesis and Cardiovascular Disease. *Circulation Research*, **2020**, 126, 1061-1085	15.7	37
150	Self-reactive CD4 IL-3 T cells amplify autoimmune inflammation in myocarditis by inciting monocyte chemotaxis. *Journal of Experimental Medicine*, **2019**, 216, 369-383	16.6	17
149	Gut intraepithelial T cells calibrate metabolism and accelerate cardiovascular disease. *Nature*, **2019**, 566, 115-119	50.4	67
148	Stage-dependent differential effects of interleukin-1 isoforms on experimental atherosclerosis. *European Heart Journal*, **2019**, 40, 2482-2491	9.5	62
147	Wnt5a-Mediated Neutrophil Recruitment Has an Obligatory Role in Pressure Overload-Induced Cardiac Dysfunction. *Circulation*, **2019**, 140, 487-499	16.7	28
146	Caveolin-1 Regulates Atherogenesis by Attenuating Low-Density Lipoprotein Transcytosis and Vascular Inflammation Independently of Endothelial Nitric Oxide Synthase Activation. *Circulation*, **2019**, 140, 225-239	16.7	47
145	c-Myb Exacerbates Atherosclerosis through Regulation of Protective IgM-Producing Antibody-Secreting Cells. *Cell Reports*, **2019**, 27, 2304-2312.e6	10.6	3
144	Growth Factors as Immunotherapeutic Targets in Cardiovascular Disease. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2019**, 39, 1275-1287	9.4	17
143	Multimodal Molecular Imaging Demonstrates Myeloperoxidase Regulation of Matrix Metalloproteinase Activity in Neuroinflammation. *Molecular Neurobiology*, **2019**, 56, 954-962	6.2	6
142	Imaging-assisted nanoimmunotherapy for atherosclerosis in multiple species. *Science Translational Medicine*, **2019**, 11,	17.5	31
141	Exercise reduces inflammatory cell production and cardiovascular inflammation via instruction of hematopoietic progenitor cells. *Nature Medicine*, **2019**, 25, 1761-1771	50.5	90
140	Tissue-Specific Macrophage Responses to Remote Injury Impact the Outcome of Subsequent Local Immune Challenge. *Immunity*, **2019**, 51, 899-914.e7	32.3	60
139	Glucocorticoids Regulate Bone Marrow B Lymphopoiesis After Stroke. *Circulation Research*, **2019**, 124, 1372-1385	15.7	26
138	Sleep modulates haematopoiesis and protects against atherosclerosis. *Nature*, **2019**, 566, 383-387	50.4	149
137	Reply to R Cardioimmunology of arrhythmias: the role of autoimmune and inflammatory cardiac channelopathies R. *Nature Reviews Immunology*, **2019**, 19, 65	36.5	

136	Efficacy and safety assessment of a TRAF6-targeted nanoimmunotherapy in atherosclerotic mice and non-human primates. *Nature Biomedical Engineering*, **2018**, 2, 279-292	19	60
135	Cardiac macrophages promote diastolic dysfunction. *Journal of Experimental Medicine*, **2018**, 215, 423-440	16.6	182
134	Inflammation and CVD in 2017: From clonal haematopoiesis to the CANTOS trial. *Nature Reviews Cardiology*, **2018**, 15, 79-80	14.8	19
133	Integrated Biosensor for Rapid and Point-of-Care Sepsis Diagnosis. *ACS Nano*, **2018**, 12, 3378-3384	16.7	87
132	Imaging the Vascular Bone Marrow Niche During Inflammatory Stress. *Circulation Research*, **2018**, 123, 415-427	15.7	31
131	Direct vascular channels connect skull bone marrow and the brain surface enabling myeloid cell migration. *Nature Neuroscience*, **2018**, 21, 1209-1217	25.5	139
130	Inhibiting Inflammation with Myeloid Cell-Specific Nanobiologics Promotes Organ Transplant Acceptance. *Immunity*, **2018**, 49, 819-828.e6	32.3	95
129	Monocyte and Macrophage Dynamics in the Cardiovascular System: JACC Macrophage in CVD Series (Part 3). *Journal of the American College of Cardiology*, **2018**, 72, 2198-2212	15.1	31
128	A Miniaturized, Programmable Pacemaker for Long-Term Studies in the Mouse. *Circulation Research* , **2018**, 123, 1208-1219	15.7	8
127	Cardioimmunology: the immune system in cardiac homeostasis and disease. *Nature Reviews Immunology*, **2018**, 18, 733-744	36.5	240
126	Is defective cholesterol efflux an integral inflammatory component in myelopoiesis-driven cardiovascular diseases?. *European Heart Journal*, **2018**, 39, 2168-2171	9.5	4
125	Polyglucose nanoparticles with renal elimination and macrophage avidity facilitate PET imaging in ischaemic heart disease. *Nature Communications*, **2017**, 8, 14064	17.4	95
124	Inflammation: Old, caffeinated, and healthy. *Nature Reviews Cardiology*, **2017**, 14, 194-196	14.8	3
123	Macrophages Facilitate Electrical Conduction in the Heart. *Cell*, **2017**, 169, 510-522.e20	56.2	438
122	Flow Perturbation Mediates Neutrophil Recruitment and Potentiates Endothelial Injury via TLR2 in Mice: Implications for Superficial Erosion. *Circulation Research*, **2017**, 121, 31-42	15.7	94
121	Cytokine storm and sepsis disease pathogenesis. *Seminars in Immunopathology*, **2017**, 39, 517-528	12	515
120	"Pumping iron"-how macrophages handle iron at the systemic, microenvironmental, and cellular levels. *Pflugers Archiv European Journal of Physiology*, **2017**, 469, 397-418	4.6	95
119	Endothelial cells produce bone morphogenetic protein 6 required for iron homeostasis in mice. *Blood*, **2017**, 129, 405-414	2.2	125

118	The infarcted myocardium solicits GM-CSF for the detrimental oversupply of inflammatory leukocytes. *Journal of Experimental Medicine*, **2017**, 214, 3293-3310	16.6	114
117	Cibinetide dampens innate immune cell functions thus ameliorating the course of experimental colitis. *Scientific Reports*, **2017**, 7, 13012	4.9	6
116	Unraveling Vascular Inflammation: From Immunology to Imaging. *Journal of the American College of Cardiology*, **2017**, 70, 1403-1412	15.1	45
115	Diversity of Inflammatory Cells in Vascular Degenerative Disease. *Cardiac and Vascular Biology*, **2017**, 81-97	0.2	
114	Innate immune cells in ischaemic heart disease: does myocardial infarction beget myocardial infarction?. *European Heart Journal*, **2016**, 37, 868-72	9.5	49
113	Myeloperoxidase Nuclear Imaging for Epileptogenesis. *Radiology*, **2016**, 278, 822-30	20.5	16
112	E-Selectin Inhibition Mitigates Splenic HSC Activation and Myelopoiesis in Hypercholesterolemic Mice With Myocardial Infarction. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2016**, 36, 1802-8	9.4	21
111	Abandoning M1/M2 for a Network Model of Macrophage Function. *Circulation Research*, **2016**, 119, 414-7	15.7	191
110	Reply: The Networks Between the Sympathetic Nervous System and Immune System in Atherosclerosis. *Journal of the American College of Cardiology*, **2016**, 68, 432	15.1	2
109	Proliferation and Recruitment Contribute to Myocardial Macrophage Expansion in Chronic Heart Failure. *Circulation Research*, **2016**, 119, 853-64	15.7	210
108	On-demand erythrocyte disposal and iron recycling requires transient macrophages in the liver. *Nature Medicine*, **2016**, 22, 945-51	50.5	224
107	Immune cell screening of a nanoparticle library improves atherosclerosis therapy. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E6731-E6740	11.5	75
106	RNAi targeting multiple cell adhesion molecules reduces immune cell recruitment and vascular inflammation after myocardial infarction. *Science Translational Medicine*, **2016**, 8, 342ra80	17.5	123
105	ANGPTL4 deficiency in haematopoietic cells promotes monocyte expansion and atherosclerosis progression. *Nature Communications*, **2016**, 7, 12313	17.4	48
104	Circadian Influence on Metabolism and Inflammation in Atherosclerosis. *Circulation Research*, **2016**, 119, 131-41	15.7	65
103	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
102	Atheroprotection through SYK inhibition fails in established disease when local macrophage proliferation dominates lesion progression. *Basic Research in Cardiology*, **2016**, 111, 20	11.8	22
101	Leukocytes Link Local and Systemic Inflammation in Ischemic Cardiovascular Disease: An Expanded "Cardiovascular Continuum". *Journal of the American College of Cardiology*, **2016**, 67, 1091-1103	15.1	191

100	Development and Function of Arterial and Cardiac Macrophages. *Trends in Immunology*, **2016**, 37, 32-40	14.4	43
99	Mechanisms of Myeloid Cell Modulation of Atherosclerosis. *Microbiology Spectrum*, **2016**, 4,	8.9	26
98	Myeloperoxidase Inhibition Improves Ventricular Function and Remodeling After Experimental Myocardial Infarction. *JACC Basic To Translational Science*, **2016**, 1, 633-643	8.7	50
97	Monocyte fate in atherosclerosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2015**, 35, 272-9	9.4	123
96	Lifestyle effects on hematopoiesis and atherosclerosis. *Circulation Research*, **2015**, 116, 884-94	15.7	71
95	Interleukin-3 amplifies acute inflammation and is a potential therapeutic target in sepsis. *Science*, **2015**, 347, 1260-5	33.3	183
94	Immunology. Neutrophil-macrophage communication in inflammation and atherosclerosis. *Science*, **2015**, 349, 237-8	33.3	66
93	Imaging systemic inflammatory networks in ischemic heart disease. *Journal of the American College of Cardiology*, **2015**, 65, 1583-91	15.1	49
92	Myocardial Infarction Activates CCR2(+) Hematopoietic Stem and Progenitor Cells. *Cell Stem Cell*, **2015**, 16, 477-87	18	129
91	Macrophages retain hematopoietic stem cells in the spleen via VCAM-1. *Journal of Experimental Medicine*, **2015**, 212, 497-512	16.6	104
90	Inhibiting macrophage proliferation suppresses atherosclerotic plaque inflammation. *Science Advances*, **2015**, 1,	14.3	137
89	Imaging Macrophage and Hematopoietic Progenitor Proliferation in Atherosclerosis. *Circulation Research*, **2015**, 117, 835-45	15.7	52
88	Lp-PLA2 Antagonizes Left Ventricular Healing After Myocardial Infarction by Impairing the Appearance of Reparative Macrophages. *Circulation: Heart Failure*, **2015**, 8, 980-7	7.6	8
87	Innate response activator B cells: origins and functions. *International Immunology*, **2015**, 27, 537-41	4.9	22
86	Targeting Interleukin-1 Reduces Leukocyte Production After Acute Myocardial Infarction. *Circulation*, **2015**, 132, 1880-90	16.7	154
85	Ischemic stroke activates hematopoietic bone marrow stem cells. *Circulation Research*, **2015**, 116, 407-17	15.7	126
84	Silencing of CCR2 in myocarditis. *European Heart Journal*, **2015**, 36, 1478-88	9.5	70
83	The transcription factor NR4A1 is essential for the development of a novel macrophage subset in the thymus. *Scientific Reports*, **2015**, 5, 10055	4.9	32

82	The journey from stem cell to macrophage. *Annals of the New York Academy of Sciences*, **2014**, 1319, 1-18	6.5	48
81	Innate response activator B cells aggravate atherosclerosis by stimulating T helper-1 adaptive immunity. *Circulation*, **2014**, 129, 1677-87	16.7	88
80	Immunopathogenesis of abdominal sepsis. *Langenbeck's Archives of Surgery*, **2014**, 399, 1-9	3.4	35
79	MARCOing monocytes for elimination. *Science Translational Medicine*, **2014**, 6, 219fs4	17.5	4
78	Chronic variable stress activates hematopoietic stem cells. *Nature Medicine*, **2014**, 20, 754-758	50.5	408
77	In vivo silencing of the transcription factor IRF5 reprograms the macrophage phenotype and improves infarct healing. *Journal of the American College of Cardiology*, **2014**, 63, 1556-66	15.1	187
76	Pleural innate response activator B cells protect against pneumonia via a GM-CSF-IgM axis. *Journal of Experimental Medicine*, **2014**, 211, 1243-56	16.6	101
75	Differential contribution of monocytes to heart macrophages in steady-state and after myocardial infarction. *Circulation Research*, **2014**, 115, 284-95	15.7	305
74	Ly-6Chigh monocytes depend on Nr4a1 to balance both inflammatory and reparative phases in the infarcted myocardium. *Circulation Research*, **2014**, 114, 1611-22	15.7	333
73	From proliferation to proliferation: monocyte lineage comes full circle. *Seminars in Immunopathology*, **2014**, 36, 137-48	12	34
72	Monocyte recruitment and macrophage proliferation in atherosclerosis. *Kardiologia Polska*, **2014**, 72, 311-4	0.9	4
71	Monocyte heterogeneity in cardiovascular disease. *Seminars in Immunopathology*, **2013**, 35, 553-62	12	64
70	Local proliferation dominates lesional macrophage accumulation in atherosclerosis. *Nature Medicine*, **2013**, 19, 1166-72	50.5	669
69	Leukocyte behavior in atherosclerosis, myocardial infarction, and heart failure. *Science*, **2013**, 339, 161-6	33.3	665
68	Hypercholesterolemia links hematopoiesis with atherosclerosis. *Trends in Endocrinology and Metabolism*, **2013**, 24, 129-36	8.8	65
67	Angiotensin II drives the production of tumor-promoting macrophages. *Immunity*, **2013**, 38, 296-308	32.3	129
66	Imaging macrophage development and fate in atherosclerosis and myocardial infarction. *Immunology and Cell Biology*, **2013**, 91, 297-303	5	17
65	Monocyte-directed RNAi targeting CCR2 improves infarct healing in atherosclerosis-prone mice. *Circulation*, **2013**, 127, 2038-46	16.7	200

64	Monocyte and macrophage heterogeneity in the heart. *Circulation Research*, **2013**, 112, 1624-33	15.7	226
63	Polymeric nanoparticle PET/MR imaging allows macrophage detection in atherosclerotic plaques. *Circulation Research*, **2013**, 112, 755-61	15.7	122
62	Nanoparticle PET-CT detects rejection and immunomodulation in cardiac allografts. *Circulation: Cardiovascular Imaging*, **2013**, 6, 568-73	3.9	26
61	Molecular imaging of inflammation in atherosclerosis. *Theranostics*, **2013**, 3, 865-84	12.1	55
60	Myocardial infarction accelerates atherosclerosis. *Nature*, **2012**, 487, 325-9	50.4	674
59	Regulation of monocyte functional heterogeneity by miR-146a and Relb. *Cell Reports*, **2012**, 1, 317-24	10.6	98
58	The ins and outs of inflammatory cells in atheromata. *Cell Metabolism*, **2012**, 15, 135-6	24.6	20
57	PET/MRI of inflammation in myocardial infarction. *Journal of the American College of Cardiology*, **2012**, 59, 153-63	15.1	245
56	Making a difference: monocyte heterogeneity in cardiovascular disease. *Current Atherosclerosis Reports*, **2012**, 14, 450-9	6	41
55	Demyelinating diseases: myeloperoxidase as an imaging biomarker and therapeutic target. *Radiology*, **2012**, 263, 451-60	20.5	64
54	Origins of tumor-associated macrophages and neutrophils. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 2491-6	11.5	445
53	Systemic RNAi-mediated Gene Silencing in Nonhuman Primate and Rodent Myeloid Cells. *Molecular Therapy - Nucleic Acids*, **2012**, 1, e4	10.7	100
52	Folate receptor: a macrophage "achillesRheel"?. *Journal of the American Heart Association*, **2012**, 1, e004036	6	4
51	Notch ligand delta-like 4 blockade attenuates atherosclerosis and metabolic disorders. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E1868-77	11.5	121
50	Innate response activator B cells protect against microbial sepsis. *Science*, **2012**, 335, 597-601	33.3	291
49	Extramedullary hematopoiesis generates Ly-6C(high) monocytes that infiltrate atherosclerotic lesions. *Circulation*, **2012**, 125, 364-74	16.7	321
48	Rapid monocyte kinetics in acute myocardial infarction are sustained by extramedullary monocytopoiesis. *Journal of Experimental Medicine*, **2012**, 209, 123-37	16.6	342
47	In vivo detection of Staphylococcus aureus endocarditis by targeting pathogen-specific prothrombin activation. *Nature Medicine*, **2011**, 17, 1142-6	50.5	125

46	Therapeutic siRNA silencing in inflammatory monocytes in mice. *Nature Biotechnology*, **2011**, 29, 1005-10	44.5	594
45	Different capacity of monocyte subsets to phagocytose iron-oxide nanoparticles. *PLoS ONE*, **2011**, 6, e25197	3.7	32
44	Monocytes link atherosclerosis and cancer. *European Journal of Immunology*, **2011**, 41, 2519-22	6.1	29
43	A dense network of dendritic cells populates the murine epididymis. *Reproduction*, **2011**, 141, 653-63	3.8	84
42	Detection of macrophages in aortic aneurysms by nanoparticle positron emission tomography-computed tomography. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2011**, 31, 750-7	9.4	120
41	The spatial and developmental relationships in the macrophage family. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2011**, 31, 1517-22	9.4	22
40	Angiotensin-converting enzyme inhibition prevents the release of monocytes from their splenic reservoir in mice with myocardial infarction. *Circulation Research*, **2010**, 107, 1364-73	15.7	164
39	Hybrid PET-optical imaging using targeted probes. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 7910-5	11.5	191
38	Monocytes: protagonists of infarct inflammation and repair after myocardial infarction. *Circulation*, **2010**, 121, 2437-45	16.7	546
37	Impaired infarct healing in atherosclerotic mice with Ly-6C(hi) monocytosis. *Journal of the American College of Cardiology*, **2010**, 55, 1629-38	15.1	238
36	The multiple roles of monocyte subsets in steady state and inflammation. *Cellular and Molecular Life Sciences*, **2010**, 67, 2685-93	10.3	90
35	Myeloperoxidase-rich Ly-6C+ myeloid cells infiltrate allografts and contribute to an imaging signature of organ rejection in mice. *Journal of Clinical Investigation*, **2010**, 120, 2627-34	15.9	77
34	Multimodality cardiovascular molecular imaging, Part II. *Circulation: Cardiovascular Imaging*, **2009**, 2, 56-70	3.9	119
33	Heterogeneous in vivo behavior of monocyte subsets in atherosclerosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2009**, 29, 1424-32	9.4	114
32	Molecular imaging of innate immune cell function in transplant rejection. *Circulation*, **2009**, 119, 1925-32	16.7	70
31	Hybrid in vivo FMT-CT imaging of protease activity in atherosclerosis with customized nanosensors. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2009**, 29, 1444-51	9.4	150
30	Rapid detection and profiling of cancer cells in fine-needle aspirates. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 12459-64	11.5	165
29	Identification of splenic reservoir monocytes and their deployment to inflammatory sites. *Science*, **2009**, 325, 612-6	33.3	1481

28	Behavior of endogenous tumor-associated macrophages assessed in vivo using a functionalized nanoparticle. *Neoplasia*, **2009**, 11, 459-68, 2 p following 468	6.4	90
27	Monocyte subset dynamics in human atherosclerosis can be profiled with magnetic nano-sensors. *PLoS ONE*, **2009**, 4, e5663	3.7	45
26	Nanoparticle PET-CT imaging of macrophages in inflammatory atherosclerosis. *Circulation*, **2008**, 117, 379-87	16.7	460
25	Diversity of denizens of the atherosclerotic plaque: not all monocytes are created equal. *Circulation* , **2008**, 117, 3168-70	16.7	58
24	Real-time assessment of inflammation and treatment response in a mouse model of allergic airway inflammation. *Journal of Clinical Investigation*, **2008**, 118, 4058-66	15.9	63
23	Noninvasive in vivo imaging of monocyte trafficking to atherosclerotic lesions. *Circulation*, **2008**, 117, 388-95	16.7	89
22	Activatable magnetic resonance imaging agent reports myeloperoxidase activity in healing infarcts and noninvasively detects the antiinflammatory effects of atorvastatin on ischemia-reperfusion injury. *Circulation*, **2008**, 117, 1153-60	16.7	158
21	The healing myocardium sequentially mobilizes two monocyte subsets with divergent and complementary functions. *Journal of Experimental Medicine*, **2007**, 204, 3037-47	16.6	1568
20	A near-infrared cell tracker reagent for multiscopic in vivo imaging and quantification of leukocyte immune responses. *PLoS ONE*, **2007**, 2, e1075	3.7	54
19	Osteogenesis associates with inflammation in early-stage atherosclerosis evaluated by molecular imaging in vivo. *Circulation*, **2007**, 116, 2841-50	16.7	486
18	Divergent immune responses to house dust mite lead to distinct structural-functional phenotypes. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2007**, 293, L730-9	5.8	23
17	Dual channel optical tomographic imaging of leukocyte recruitment and protease activity in the healing myocardial infarct. *Circulation Research*, **2007**, 100, 1218-25	15.7	132
16	Ly-6Chi monocytes dominate hypercholesterolemia-associated monocytosis and give rise to macrophages in atheromata. *Journal of Clinical Investigation*, **2007**, 117, 195-205	15.9	912
15	In vivo imaging of T cell delivery to tumors after adoptive transfer therapy. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 12457-61	11.5	93
14	The healing myocardium sequentially mobilizes two monocyte subsets with divergent and complementary functions. *Journal of Cell Biology*, **2007**, 179, i13-i13	7.3	1
13	Prolonged ovalbumin exposure attenuates airway hyperresponsiveness and T cell function in mice. *International Archives of Allergy and Immunology*, **2006**, 141, 130-40	3.7	13
12	Inhalation tolerance is induced selectively in thoracic lymph nodes but executed pervasively at distant mucosal and nonmucosal tissues. *Journal of Immunology*, **2006**, 176, 2568-80	5.3	16
11	Monocyte accumulation in mouse atherogenesis is progressive and proportional to extent of disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 10340-10345	11.5	278

10	Labeling of immune cells for in vivo imaging using magnetofluorescent nanoparticles. *Nature Protocols*, **2006**, 1, 73-9	18.8	144
9	B7RP-1 is not required for the generation of Th2 responses in a model of allergic airway inflammation but is essential for the induction of inhalation tolerance. *Journal of Immunology*, **2005**, 174, 3000-5	5.3	19
8	Interleukin-13-dependent expression of matrix metalloproteinase-12 is required for the development of airway eosinophilia in mice. *American Journal of Respiratory Cell and Molecular Biology*, **2004**, 30, 84-90	5.7	45
7	Cigarette smoke decreases pulmonary dendritic cells and impacts antiviral immune responsiveness. *American Journal of Respiratory Cell and Molecular Biology*, **2004**, 30, 202-11	5.7	149
6	Continuous exposure to house dust mite elicits chronic airway inflammation and structural remodeling. *American Journal of Respiratory and Critical Care Medicine*, **2004**, 169, 378-85	10.2	319
5	Concomitant airway expression of granulocyte-macrophage colony-stimulating factor and decorin, a natural inhibitor of transforming growth factor-beta, breaks established inhalation tolerance. *European Journal of Immunology*, **2004**, 34, 2375-86	6.1	8
4	Chronic exposure to innocuous antigen in sensitized mice leads to suppressed airway eosinophilia that is reversed by granulocyte macrophage colony-stimulating factor. *Journal of Immunology*, **2002**, 169, 3499-506	5.3	75
3	Temporal-spatial analysis of the immune response in a murine model of ovalbumin-induced airways inflammation. *American Journal of Respiratory Cell and Molecular Biology*, **2001**, 25, 326-34	5.7	33
2	Mechanisms of Myeloid Cell Modulation of Atherosclerosis813-824		
1	Cerebrospinal fluid outflow through skull channels instructs cranial hematopoiesis		3