Matthias Nahrendorf

List of Publications by Year
in descending order

248	36,103	98	183
papers	citations	h-index	g-index
		2696	3941

255	255	255	41080
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Immune cells in cardiac homeostasis and disease: emerging insights from novel technologies. European Heart Journal, 2022, 43, 1533-1541.	1.0	33
2	Aortic-intima-resident macrophages are guardians of arterial health. , 2022, 1, 4-5.		0
3	Bone marrow endothelial dysfunction promotes myeloid cell expansion in cardiovascular disease. , 2022, 1, 28-44.		32
4	Mischief in the marrow: a root of cardiovascular evil. European Heart Journal, 2022, , .	1.0	3
5	B lymphocyte-derived acetylcholine limits steady-state and emergency hematopoiesis. Nature Immunology, 2022, 23, 605-618.	7.0	33
6	Cerebrospinal fluid can exit into the skull bone marrow and instruct cranial hematopoiesis in mice with bacterial meningitis. Nature Neuroscience, 2022, 25, 567-576.	7.1	72
7	Single-nucleus profiling of human dilated and hypertrophic cardiomyopathy. Nature, 2022, 608, 174-180.	13.7	115
8	Neutrophils incite and macrophages avert electrical storm after myocardial infarction. , 2022, 1, 649-664.		33
9	Shortâ€Term Cessation of Dabigatran Causes a Paradoxical Prothrombotic State. Annals of Neurology, 2021, 89, 444-458.	2.8	6
10	Electroimmunology and cardiac arrhythmia. Nature Reviews Cardiology, 2021, 18, 547-564.	6.1	39
11	Increased stem cell proliferation in atherosclerosis accelerates clonal hematopoiesis. Cell, 2021, 184, 1348-1361.e22.	13.5	149
12	Prosaposin mediates inflammation in atherosclerosis. Science Translational Medicine, 2021, 13, .	5.8	42
13	Corticosterone inhibits GAS6 to govern hair follicle stem-cell quiescence. Nature, 2021, 592, 428-432.	13.7	73
14	Bad company: monocytes in HIV and atherosclerosis. Cardiovascular Research, 2021, 117, 993-994.	1.8	0
15	Infectious and lifestyle modifiers of immunity and host resilience. Immunity, 2021, 54, 1110-1122.	6.6	10
16	Acute mental stress drives vascular inflammation and promotes plaque destabilization in mouse atherosclerosis. European Heart Journal, 2021, 42, 4077-4088.	1.0	58
17	Astrocytic interleukin-3 programs microglia and limits Alzheimerâ€™s disease. Nature, 2021, 595, 701-706.	13.7	157
18	Impact of cholesterol on proinflammatory monocyte production by the bone marrow. European Heart Journal, 2021, 42, 4309-4320.	1.0	31

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19	Relation of Preâ€Stroke Aspirin Use With Cerebral Infarct Volume and Functional Outcomes. Annals of Neurology, 2021, 90, 763-776.	2.8	9
20	Innate Lymphoid Cells Participate in Myocardial Inflammation After Ischemia. Journal of the American College of Cardiology, 2021, 78, 1143-1144.	1.2	0
21	Chronic stress primes innate immune responses in mice and humans. Cell Reports, 2021, 36, 109595.	2.9	53
22	Response by Nahrendorf to Letter Regarding Article, â€œBone Marrow Endothelial Cells Regulate Myelopoiesis in Diabetes Mellitusâ€. Circulation, 2021, 143, e7-e8.	1.6	0
23	Rigidity of Cell Fate and Function Among Monocytes. Blood, 2021, 138, 2057-2057.	0.6	0
24	Spontaneous Degenerative Aortic Valve Disease in New Zealand Obese Mice. Journal of the American Heart Association, 2021, 10, e023131.	1.6	5
25	Multiorgan Imaging of Comorbidity andÂCardiovascular Risk. JACC: Cardiovascular Imaging, 2020, 13, 478-480.	2.3	2
26	Novel functions of macrophages in the heart: insights into electrical conduction, stress, and diastolic dysfunction. European Heart Journal, 2020, 41, 989-994.	1.0	26
27	Imaging Cardiovascular and Lung Macrophages With the Positron Emission Tomography Sensor ⁶⁴ Cu-Macrin in Mice, Rabbits, and Pigs. Circulation: Cardiovascular Imaging, 2020, 13, e010586.	1.3	32
28	Nanoparticle-encapsulated siRNAs for gene silencing in the haematopoietic stem-cell niche. Nature Biomedical Engineering, 2020, 4, 1076-1089.	11.6	80
29	Ibrutinib-Mediated Atrial Fibrillation Attributable to Inhibition of C-Terminal Src Kinase. Circulation, 2020, 142, 2443-2455.	1.6	121
30	Liver X receptors are required for thymic resilience and T cell output. Journal of Experimental Medicine, 2020, 217, .	4.2	20
31	Multimodal imaging of bacterial-host interface in mice and piglets with <i>Staphylococcus aureus</i> endocarditis. Science Translational Medicine, 2020, 12, .	5.8	6
32	Reduced Nhe1 (Na ⁺ -H ⁺ Exchanger-1) Function Protects ApoE-Deficient Mice From Ang II (Angiotensin II)â€“Induced Abdominal Aortic Aneurysms. Hypertension, 2020, 76, 87-100.	1.3	7
33	Deciphering post-infarct inflammation: Should it heal, would it hurt?. Journal of Nuclear Cardiology, 2020, 27, 2100-2102.	1.4	1
34	Extraâ€Axial Inflammatory Signal in Parameninges in Migraine with Visual Aura. Annals of Neurology, 2020, 87, 939-949.	2.8	60
35	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.	1.2	28
36	Fluorescence microscopy tensor imaging representations for large-scale dataset analysis. Scientific Reports, 2020, 10, 5632.	1.6	7

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37	Bone Marrow Endothelial Cells Regulate Myelopoiesis in Diabetes Mellitus. Circulation, 2020, 142, 244-258.	1.6	42
38	Probing myeloid cell dynamics in ischaemic heart disease by nanotracer hot-spot imaging. Nature Nanotechnology, 2020, 15, 398-405.	15.6	42
39	Modifiable Cardiovascular Risk, Hematopoiesis, and Innate Immunity. Circulation Research, 2020, 126, 1242-1259.	2.0	67
40	Hematopoiesis and Cardiovascular Disease. Circulation Research, 2020, 126, 1061-1085.	2.0	96
41	An acute immune response underlies the benefit of cardiac stemÂcell therapy. Nature, 2020, 577, 405-409.	13.7	392
42	Reversing Clonal Hematopoiesis and Associated Atherosclerotic Disease By Targeted Antibody-Drug-Conjugate (ADC) Conditioning and Transplant. Blood, 2020, 136, 34-35.	0.6	2
43	Imaging-assisted nanoimmunotherapy for atherosclerosis in multiple species. Science Translational Medicine, 2019, 11, .	5.8	51
44	Stress-Induced Changes in Bone Marrow Stromal Cell Populations Revealed through Single-Cell Protein Expression Mapping. Cell Stem Cell, 2019, 25, 570-583.e7.	5.2	96
45	Exercise reduces inflammatory cell production and cardiovascular inflammation via instruction of hematopoietic progenitor cells. Nature Medicine, 2019, 25, 1761-1771.	15.2	157
46	Tissue-Specific Macrophage Responses to Remote Injury Impact the Outcome of Subsequent Local Immune Challenge. Immunity, 2019, 51, 899-914.e7.	6.6	110
47	Na+-H+ exchanger 1 determines atherosclerotic lesion acidification and promotes atherogenesis. Nature Communications, 2019, 10, 3978.	5.8	25
48	Looking back and thinking forwards â€" 15 years of cardiology and cardiovascular research. Nature Reviews Cardiology, 2019, 16, 651-660.	6.1	10
49	Self-reactive CD4+ IL-3+ T cells amplify autoimmune inflammation in myocarditis by inciting monocyte chemotaxis. Journal of Experimental Medicine, 2019, 216, 369-383.	4.2	34
50	Stage-dependent differential effects of interleukin-1 isoforms on experimental atherosclerosis. European Heart Journal, 2019, 40, 2482-2491.	1.0	102
51	Smad3 Cranks Up the Appetite of Infarct Macrophages. Circulation Research, 2019, 125, 71-73.	2.0	1
52	Stress-Associated Neurobiological Pathway Linking Socioeconomic Disparities to Cardiovascular Disease. Journal of the American College of Cardiology, 2019, 73, 3243-3255.	1.2	109
53	Interferon-Î³ regulates cardiac myeloid cells in myocardial infarction. Cardiovascular Research, 2019, 115, 1815-1816.	1.8	7
54	Clonal and diverse: revisiting cardiac endothelial cells after myocardial infarction. European Heart Journal, 2019, 40, 2521-2522.	1.0	6

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55	Pro-Angiogenic Macrophage Phenotype to Promote Myocardial Repair. Journal of the American College of Cardiology, 2019, 73, 2990-3002.	1.2	117
56	Glucocorticoids Regulate Bone Marrow B Lymphopoiesis After Stroke. Circulation Research, 2019, 124, 1372-1385.	2.0	50
57	Sleep modulates haematopoiesis and protects against atherosclerosis. Nature, 2019, 566, 383-387.	13.7	279
58	The Myocardium. Journal of the American College of Cardiology, 2019, 74, 3136-3138.	1.2	8
59	Nanoimmunotherapy to treat ischaemic heart disease. Nature Reviews Cardiology, 2019, 16, 21-32.	6.1	43
60	Reply to â€˜Cardioimmunology of arrhythmias: the role of autoimmune and inflammatory cardiac channelopathiesâ€™. Nature Reviews Immunology, 2019, 19, 65-65.	10.6	0
61	Myeloid cells in cardiovascular organs. Journal of Internal Medicine, 2019, 285, 491-502.	2.7	15
62	Uremic Toxins Activate Macrophages. Circulation, 2019, 139, 97-100.	1.6	7
63	A Supramolecular Nanocarrier for Delivery of Amiodarone Anti-Arrhythmic Therapy to the Heart. Bioconjugate Chemistry, 2019, 30, 733-740.	1.8	24
64	Albumin-Binding MR Probe Detects High-Risk Coronary Plaques in Patients. JACC: Cardiovascular Imaging, 2019, 12, 307-309.	2.3	3
65	Functionally Distinct Subsets of Monocytes in Mouse and Human Blood. Blood, 2019, 134, 438-438.	0.6	0
66	Clonal Hematopoiesis Wages War on the Myocardium. Journal of the American College of Cardiology, 2018, 71, 887-889.	1.2	1
67	Efficacy and safety assessment of a TRAF6-targeted nanoimmunotherapy in atherosclerotic mice and non-human primates. Nature Biomedical Engineering, 2018, 2, 279-292.	11.6	94
68	Cardiac macrophages promote diastolic dysfunction. Journal of Experimental Medicine, 2018, 215, 423-440.	4.2	314
69	CCR2 expression on circulating monocytes is associated with arterial wall inflammation assessed by 18F-FDG PET/CT in patients at risk for cardiovascular disease. Cardiovascular Research, 2018, 114, 468-475.	1.8	43
70	Resident and Monocyte-Derived Macrophages in Cardiovascular Disease. Circulation Research, 2018, 122, 113-127.	2.0	181
71	Monocyte and haematopoietic progenitor reprogramming as common mechanism underlying chronic inflammatory and cardiovascular diseases. European Heart Journal, 2018, 39, 3521-3527.	1.0	44
72	Inhibiting Inflammation with Myeloid Cell-Specific Nanobiologics Promotes Organ Transplant Acceptance. Immunity, 2018, 49, 819-828.e6.	6.6	161

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73	Quantitative Imaging of Tumor-Associated Macrophages and Their Response to Therapy Using ⁶⁴Cu-Labeled Macrin. ACS Nano, 2018, 12, 12015-12029.	7.3	117
74	A Miniaturized, Programmable Pacemaker for Long-Term Studies in the Mouse. Circulation Research, 2018, 123, 1208-1219.	2.0	18
75	Cardioimmunology: the immune system in cardiac homeostasis and disease. Nature Reviews Immunology, 2018, 18, 733-744.	10.6	482
76	Macrophages and Cardiovascular Health. Physiological Reviews, 2018, 98, 2523-2569.	13.1	79
77	Imaging the Vascular Bone Marrow Niche During Inflammatory Stress. Circulation Research, 2018, 123, 415-427.	2.0	45
78	Direct vascular channels connect skull bone marrow and the brain surface enabling myeloid cell migration. Nature Neuroscience, 2018, 21, 1209-1217.	7.1	302
79	Some Macrophages Are Softies. Immunity, 2018, 49, 199-201.	6.6	0
80	Myeloid cell contributions to cardiovascular health and disease. Nature Medicine, 2018, 24, 711-720.	15.2	211
81	Myeloid Cells Remodel the Mitral Valve. Circulation, 2018, 137, 2494-2496.	1.6	2
82	The human heart contains distinct macrophage subsets with divergent origins and functions. Nature Medicine, 2018, 24, 1234-1245.	15.2	439
83	Neutrophilâ€“macrophage cross-talk in acute myocardial infarction. European Heart Journal, 2017, 38, ehw085.	1.0	35
84	Relation between resting amygdalar activity and cardiovascular events: a longitudinal and cohort study. Lancet, The, 2017, 389, 834-845.	6.3	442
85	Polyglucose nanoparticles with renal elimination and macrophage avidity facilitate PET imaging in ischaemic heart disease. Nature Communications, 2017, 8, 14064.	5.8	118
86	Green-channel autofluorescence imaging: A novel and sensitive technique to delineate infarcts. Journal of Neuroscience Methods, 2017, 279, 22-32.	1.3	1
87	Old, caffeinated, and healthy. Nature Reviews Cardiology, 2017, 14, 194-196.	6.1	3
88	Motion characterization scheme to minimize motion artifacts in intravital microscopy. Journal of Biomedical Optics, 2017, 22, 036005.	1.4	16
89	Macrophages Facilitate Electrical Conduction in the Heart. Cell, 2017, 169, 510-522.e20.	13.5	703
90	Flow Perturbation Mediates Neutrophil Recruitment and Potentiates Endothelial Injury via TLR2 in Mice. Circulation Research, 2017, 121, 31-42.	2.0	141

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91	Applying nanomedicine in maladaptive inflammation and angiogenesis. Advanced Drug Delivery Reviews, 2017, 119, 143-158.	6.6	46
92	Cholesterol, CCR2, and monocyte phenotypes in atherosclerosis. European Heart Journal, 2017, 38, 1594-1596.	1.0	21
93	Multiparametric Imaging of Organ System Interfaces. Circulation: Cardiovascular Imaging, 2017, 10, .	1.3	6
94	The infarcted myocardium solicits GM-CSF for the detrimental oversupply of inflammatory leukocytes. Journal of Experimental Medicine, 2017, 214, 3293-3310.	4.2	161
95	The maturation of a â€˜neuralâ€“hematopoieticâ€™ inflammatory axis in cardiovascular disease. Current Opinion in Lipidology, 2017, 28, 507-512.	1.2	8
96	The cardiac microenvironment uses nonâ€canonical <scp>WNT</scp> signaling to activate monocytes after myocardial infarction. EMBO Molecular Medicine, 2017, 9, 1279-1293.	3.3	55
97	Osteoblasts remotely supply lung tumors with cancer-promoting SiglecF ^{high} neutrophils. Science, 2017, 358, .	6.0	270
98	IRF3 and type I interferons fuel a fatal response to myocardial infarction. Nature Medicine, 2017, 23, 1481-1487.	15.2	358
99	Neutrophil contributions to ischaemic heart disease. European Heart Journal, 2017, 38, 465-472.	1.0	18
100	Prospective Evaluation of ¹⁸ F-Fluorodeoxyglucose Uptake in Postischemic Myocardium by Simultaneous Positron Emission Tomography/Magnetic Resonance Imaging as a Prognostic Marker of Functional Outcome. Circulation: Cardiovascular Imaging, 2016, 9, e004316.	1.3	107
101	Direct Thrombus Imaging in Stroke. Journal of Stroke, 2016, 18, 286-296.	1.4	39
102	Increased haematopoietic activity in patients with atherosclerosis. European Heart Journal, 2016, 38, ehw246.	1.0	62
103	Mechanisms of Myeloid Cell Modulation of Atherosclerosis. Microbiology Spectrum, 2016, 4, .	1.2	33
104	Myeloperoxidase Inhibition Improves Ventricular Function and Remodeling AfterÂExperimental Myocardial Infarction. JACC Basic To Translational Science, 2016, 1, 633-643.	1.9	77
105	Bone Marrow Takes Center Stage in Cardiovascular Disease. Circulation Research, 2016, 119, 701-703.	2.0	14
106	E-Selectin Inhibition Mitigates Splenic HSC Activation and Myelopoiesis in Hypercholesterolemic Mice With Myocardial Infarction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1802-1808.	1.1	26
107	Abandoning M1/M2 for a Network Model of Macrophage Function. Circulation Research, 2016, 119, 414-417.	2.0	339
108	Proliferation and Recruitment Contribute to Myocardial Macrophage Expansion in Chronic Heart Failure. Circulation Research, 2016, 119, 853-864.	2.0	318

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109	On-demand erythrocyte disposal and iron recycling requires transient macrophages in the liver. Nature Medicine, 2016, 22, 945-951.	15.2	333
110	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.	3.3	95
111	RNAi targeting multiple cell adhesion molecules reduces immune cell recruitment and vascular inflammation after myocardial infarction. Science Translational Medicine, 2016, 8, 342ra80.	5.8	169
112	Complete genome of Staphylococcus aureus Tager 104 provides evidence of its relation to modern systemic hospital-acquired strains. BMC Genomics, 2016, 17, 179.	1.2	6
113	Systems Biology and Noninvasive Imaging of Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, e1-8.	1.1	12
114	Leukocytes Link Local and SystemicÂInflammation in IschemicÂCardiovascularÂDisease. Journal of the American College of Cardiology, 2016, 67, 1091-1103.	1.2	257
115	Development and Function of Arterial and Cardiac Macrophages. Trends in Immunology, 2016, 37, 32-40.	2.9	64
116	Heart Failure With Preserved Ejection Fraction Induces Beiging in Adipose Tissue. Circulation: Heart Failure, 2016, 9, e002724.	1.6	49
117	Monocyte and macrophage contributions to cardiac remodeling. Journal of Molecular and Cellular Cardiology, 2016, 93, 149-155.	0.9	210
118	Innate immune cells in ischaemic heart disease: does myocardial infarction beget myocardial infarction?. European Heart Journal, 2016, 37, 868-872.	1.0	67
119	Late Na+ current and protracted electrical recovery are critical determinants of the aging myopathy. Nature Communications, 2015, 6, 8803.	5.8	45
120	Direct Imaging of Cerebral Thromboemboli Using Computed Tomography and Fibrin-targeted Gold Nanoparticles. Theranostics, 2015, 5, 1098-1114.	4.6	101
121	PET Imaging of Leukocytes in Patients With Acute Myocardial Infarction. JACC: Cardiovascular Imaging, 2015, 8, 1427-1429.	2.3	6
122	Splenic Metabolic Activity Predicts Risk ofÂFuture Cardiovascular Events. JACC: Cardiovascular Imaging, 2015, 8, 121-130.	2.3	198
123	Lifestyle Effects on Hematopoiesis and Atherosclerosis. Circulation Research, 2015, 116, 884-894.	2.0	89
124	Interleukin-3 amplifies acute inflammation and is a potential therapeutic target in sepsis. Science, 2015, 347, 1260-1265.	6.0	265
125	Neutrophil-macrophage communication in inflammation and atherosclerosis. Science, 2015, 349, 237-238.	6.0	87
126	In Vivo Tracking of Streptococcal Infections of Subcutaneous Origin in a Murine Model. Molecular Imaging and Biology, 2015, 17, 793-801.	1.3	4

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127	Imaging Systemic Inflammatory Networks in Ischemic Heart Disease. Journal of the American College of Cardiology, 2015, 65, 1583-1591.	1.2	64
128	Myocardial Infarction Activates CCR2+ Hematopoietic Stem and Progenitor Cells. Cell Stem Cell, 2015, 16, 477-487.	5.2	168
129	Monocytes in Myocardial Infarction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1066-1070.	1.1	167
130	Macrophages retain hematopoietic stem cells in the spleen via VCAM-1. Journal of Experimental Medicine, 2015, 212, 497-512.	4.2	143
131	IGF2BP2/IMP2-Deficient Mice Resist Obesity through Enhanced Translation of Ucp1 mRNA and Other mRNAs Encoding Mitochondrial Proteins. Cell Metabolism, 2015, 21, 609-621.	7.2	148
132	Inhibiting macrophage proliferation suppresses atherosclerotic plaque inflammation. Science Advances, 2015, 1, .	4.7	173
133	Imaging Macrophage and Hematopoietic Progenitor Proliferation in Atherosclerosis. Circulation Research, 2015, 117, 835-845.	2.0	72
134	Lp-PLA ₂ Antagonizes Left Ventricular Healing After Myocardial Infarction by Impairing the Appearance of Reparative Macrophages. Circulation: Heart Failure, 2015, 8, 980-987.	1.6	11
135	Targeting Interleukin-1Î² Reduces Leukocyte Production After Acute Myocardial Infarction. Circulation, 2015, 132, 1880-1890.	1.6	200
136	Advancing biomedical imaging. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14424-14428.	3.3	130
137	Ischemic Stroke Activates Hematopoietic Bone Marrow Stem Cells. Circulation Research, 2015, 116, 407-417.	2.0	182
138	Silencing of CCR2 in myocarditis. European Heart Journal, 2015, 36, 1478-1488.	1.0	101
139	Ly-6C ^{high} Monocytes Depend on Nr4a1 to Balance Both Inflammatory and Reparative Phases in the Infarcted Myocardium. Circulation Research, 2014, 114, 1611-1622.	2.0	427
140	Increased Microvascularization and Vessel Permeability Associate With Active Inflammation in Human Atheromata. Circulation: Cardiovascular Imaging, 2014, 7, 920-929.	1.3	74
141	Imaging Systemic Inflammation in Patients With Acute Myocardial Infarction. Circulation: Cardiovascular Imaging, 2014, 7, 762-764.	1.3	3
142	Imaging and Nanomedicine in Inflammatory Atherosclerosis. Science Translational Medicine, 2014, 6, 239sr1.	5.8	157
143	Fluorescent Leukocytes Enter Plaque on the Microscope Stage. Circulation Research, 2014, 114, 740-741.	2.0	1
144	The Innate Immune System After Ischemic Injury. JAMA Neurology, 2014, 71, 233.	4.5	54

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145	Regulating Repair. Circulation Research, 2014, 115, 7-9.	2.0	20
146	The journey from stem cell to macrophage. Annals of the New York Academy of Sciences, 2014, 1319, 1-18.	1.8	64
147	Cardiac macrophages and their role in ischaemic heart disease. Cardiovascular Research, 2014, 102, 240-248.	1.8	256
148	In vivo endothelial siRNA delivery using polymeric nanoparticles with low molecular weight. Nature Nanotechnology, 2014, 9, 648-655.	15.6	466
149	Imaging macrophages with nanoparticles. Nature Materials, 2014, 13, 125-138.	13.3	698
150	Regulation and consequences of monocytosis. Immunological Reviews, 2014, 262, 167-178.	2.8	51
151	Do Vascular Smooth Muscle Cells Differentiate to Macrophages in Atherosclerotic Lesions?. Circulation Research, 2014, 115, 605-606.	2.0	20
152	Translational Molecular Imaging. Journal of the American College of Cardiology, 2014, 64, 1030-1032.	1.2	3
153	Chronic variable stress activates hematopoietic stem cells. Nature Medicine, 2014, 20, 754-758.	15.2	565
154	Endocarditis and molecular imaging. Journal of Nuclear Cardiology, 2014, 21, 486-495.	1.4	11
155	A statin-loaded reconstituted high-density lipoprotein nanoparticle inhibits atherosclerotic plaque inflammation. Nature Communications, 2014, 5, 3065.	5.8	336
156	InÂVivo Silencing of the Transcription Factor IRF5 Reprograms the Macrophage Phenotype and Improves Infarct Healing. Journal of the American College of Cardiology, 2014, 63, 1556-1566.	1.2	220
157	Pleural innate response activator B cells protect against pneumonia via a GM-CSF-IgM axis. Journal of Experimental Medicine, 2014, 211, 1243-1256.	4.2	132
158	Differential Contribution of Monocytes to Heart Macrophages in Steady-State and After Myocardial Infarction. Circulation Research, 2014, 115, 284-295.	2.0	453
159	Monocyte subset accumulation in the human heart following acute myocardial infarction and the role of the spleen as monocyte reservoir. European Heart Journal, 2014, 35, 376-385.	1.0	210
160	Local proliferation dominates lesional macrophage accumulation in atherosclerosis. Nature Medicine, 2013, 19, 1166-1172.	15.2	855
161	Modified mRNA directs the fate of heart progenitor cells and induces vascular regeneration after myocardial infarction. Nature Biotechnology, 2013, 31, 898-907.	9.4	528
162	Macrophage-Stem Cell Crosstalk After Myocardial Infarction. Journal of the American College of Cardiology, 2013, 62, 1902-1904.	1.2	23

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163	Leukocyte Behavior in Atherosclerosis, Myocardial Infarction, and Heart Failure. Science, 2013, 339, 161-166.	6.0	856
164	Angiotensin II Drives the Production of Tumor-Promoting Macrophages. Immunity, 2013, 38, 296-308.	6.6	157
165	Imaging macrophage development and fate in atherosclerosis and myocardial infarction. Immunology and Cell Biology, 2013, 91, 297-303.	1.0	20
166	Monocytes/macrophages prevent healing defects and left ventricular thrombus formation after myocardial infarction. FASEB Journal, 2013, 27, 871-881.	0.2	160
167	Monocyte-Directed RNAi Targeting CCR2 Improves Infarct Healing in Atherosclerosis-Prone Mice. Circulation, 2013, 127, 2038-2046.	1.6	243
168	Monocyte and Macrophage Heterogeneity in the Heart. Circulation Research, 2013, 112, 1624-1633.	2.0	279
169	Polymeric Nanoparticle PET/MR Imaging Allows Macrophage Detection in Atherosclerotic Plaques. Circulation Research, 2013, 112, 755-761.	2.0	144
170	Endoscopic Time-Lapse Imaging of Immune Cells in Infarcted Mouse Hearts. Circulation Research, 2013, 112, 891-899.	2.0	161
171	Republished: Healing and adverse remodelling after acute myocardial infarction: role of the cellular immune response. Postgraduate Medical Journal, 2013, 89, 52-58.	0.9	5
172	Nanoparticle PET-CT Detects Rejection and Immunomodulation in Cardiac Allografts. Circulation: Cardiovascular Imaging, 2013, 6, 568-573.	1.3	35
173	Monocytes and macrophages as nanomedicinal targets for improved diagnosis and treatment of disease. Expert Review of Molecular Diagnostics, 2013, 13, 567-580.	1.5	86
174	Multimodal iron oxide nanoparticles for hybrid biomedical imaging. NMR in Biomedicine, 2013, 26, 756-765.	1.6	32
175	A Better Pacemaker: Transdifferentiation of Myocytes to Pacemaker Cells. Science Translational Medicine, 2013, 5, .	5.8	0
176	Modeling a Failing Heart Right in the Dish. Science Translational Medicine, 2013, 5, .	5.8	0
177	Science to Practice: How Will Myocardial Inflammation Be Imaged with MR Imaging?. Radiology, 2012, 264, 309-311.	3.6	1
178	Cardiovascular Molecular Imaging: The Road Ahead. Journal of Nuclear Medicine, 2012, 53, 673-676.	2.8	50
179	Origins of tumor-associated macrophages and neutrophils. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2491-2496.	3.3	547
180	Systemic RNAi-mediated Gene Silencing in Nonhuman Primate and Rodent Myeloid Cells. Molecular Therapy - Nucleic Acids, 2012, 1, e4.	2.3	112

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181	Healing and adverse remodelling after acute myocardial infarction: role of the cellular immune response. Heart, 2012, 98, 1384-1390.	1.2	66
182	Innate Response Activator B Cells Protect Against Microbial Sepsis. Science, 2012, 335, 597-601.	6.0	351
183	Extramedullary Hematopoiesis Generates Ly-6C ^{high} Monocytes That Infiltrate Atherosclerotic Lesions. Circulation, 2012, 125, 364-374.	1.6	398
184	Vasculitis: Molecular Imaging by Targeting the Inflammatory Enzyme Myeloperoxidase. Radiology, 2012, 262, 181-190.	3.6	23
185	Rapid monocyte kinetics in acute myocardial infarction are sustained by extramedullary monocytopoiesis. Journal of Experimental Medicine, 2012, 209, 123-137.	4.2	435
186	Myocardial infarction accelerates atherosclerosis. Nature, 2012, 487, 325-329.	13.7	874
187	Macrophages in the infarct: Fiery friends or friendly fire?. Journal of Molecular and Cellular Cardiology, 2012, 53, 591-592.	0.9	1
188	Cells and Iron Oxide Nanoparticles on the Move. Circulation: Cardiovascular Imaging, 2012, 5, 551-554.	1.3	19
189	Real-time in vivo imaging of the beating mouse heart at microscopic resolution. Nature Communications, 2012, 3, 1054.	5.8	126
190	PET/MRI of Inflammation in Myocardial Infarction. Journal of the American College of Cardiology, 2012, 59, 153-163.	1.2	301
191	Selective Factor XIIa Inhibition Attenuates Silent Brain Ischemia. JACC: Cardiovascular Imaging, 2012, 5, 1127-1138.	2.3	31
192	Mapping Molecular Agents Distributions in Whole Mice Hearts Using Born-Normalized Optical Projection Tomography. PLoS ONE, 2012, 7, e34427.	1.1	5
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