Robin P Choudhury

List of Publications by Year
in descending order

149	8,710	31976	46799
papers	citations	53 h-index	89 g-index

152	152	152	10974
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rapid neutrophil mobilization by VCAM-1+ endothelial cell-derived extracellular vesicles. Cardiovascular Research, 2023, 119, 236-251.	3.8	22
2	Discordant Genome Assemblies Drastically Alter the Interpretation of Single-Cell RNA Sequencing Data Which Can Be Mitigated by a Novel Integration Method. Cells, 2022, 11, 608.	4.1	2
3	Impaired phosphocreatine metabolism in white adipocytes promotes inflammation. Nature Metabolism, 2022, 4, 190-202.	11.9	21
4	Semi-Supervised Coronary Vessels Segmentation from Invasive Coronary Angiography with Connectivity-Preserving Loss Function. , 2022, , .		1
5	Neuropeptideâ€Y Levels in STâ€Segmentâ€“Elevation Myocardial Infarction: Relationship With Coronary Microvascular Function, Heart Failure, and Mortality. Journal of the American Heart Association, 2022, 11, .	3.7	7
6	Tissue-resident macrophages regulate lymphatic vessel growth and patterning in the developing heart. Development (Cambridge), 2021, 148, .	2.5	55
7	Wnt signaling enhances macrophage responses to IL-4 and promotes resolution of atherosclerosis. ELife, 2021, 10, .	6.0	32
8	Coronary Microvascular Dysfunction Assessed by Pressure Wire and CMR After STEMI Predicts Long-Term Outcomes. JACC: Cardiovascular Imaging, 2021, 14, 1948-1959.	5.3	39
9	Diabetes and Metabolic Drivers of Trained Immunity. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 1284-1290.	2.4	13
10	Isolation and Characterization of Human Adipocyte-Derived Extracellular Vesicles using Filtration and Ultracentrifugation. Journal of Visualized Experiments, 2021, , .	0.3	1
11	Fat-Secreted Ceramides Regulate Vascular Redox State and Influence Outcomes in Patients With Cardiovascular Disease. Journal of the American College of Cardiology, 2021, 77, 2494-2513.	2.8	59
12	Extracellular Vesicles in Innate Immune Cell Programming. Biomedicines, 2021, 9, 713.	3.2	10
13	Beyond diabetes: a relationship between cardiovascular outcomes and glycaemic index. Cardiovascular Research, 2021, 117, e97-e98.	3.8	3
14	Hyperglycemia Induces Trained Immunity in Macrophages and Their Precursors and Promotes Atherosclerosis. Circulation, 2021, 144, 961-982.	1.6	109
15	Pre-procedural ATI score (age-thrombus burden-index of microcirculatory resistance) predicts long-term clinical outcomes in patients with ST elevation myocardial infarction treated with primary percutaneous coronary intervention. International Journal of Cardiology, 2021, 339, 1-6.	1.7	6
16	A completely automated pipeline for 3D reconstruction of human heart from 2D cine magnetic resonance slices. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200257.	3.4	22
17	1â€...Long-term prognosis after acute ST-segment elevation myocardial infarction is determined by characteristics in both non-infarcted and infarcted myocardium on cardiovascular magnetic resonance imaging. , 2021, , .		0
18	Intraplaque Hemorrhage as a Marker of Stroke Risk. JACC: Cardiovascular Imaging, 2020, 13, 407-409.	5.3	8

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19	Navigatorâ€based reacquisition and estimation of motionâ€corrupted data: Application to multiâ€echo spin echo for carotid wall MRI. Magnetic Resonance in Medicine, 2020, 83, 2026-2041.	3.0	6
20	Point-Cloud Method for Automated 3D Coronary Tree Reconstruction From Multiple Non-Simultaneous Angiographic Projections. IEEE Transactions on Medical Imaging, 2020, 39, 1278-1290.	8.9	14
21	Hyper-acute cardiovascular magnetic resonance T1 mapping predicts infarct characteristics in patients with ST elevation myocardial infarction. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 3.	3.3	16
22	Inflammation and atherosclerosis: what is on the horizon?. Heart, 2020, 106, 80-85.	2.9	61
23	Glutamine Links Obesity to Inflammation in Human White Adipose Tissue. Cell Metabolism, 2020, 31, 375-390.e11.	16.2	128
24	The cardiac sympathetic co-transmitter neuropeptide Y is pro-arrhythmic following ST-elevation myocardial infarction despite beta-blockade. European Heart Journal, 2020, 41, 2168-2179.	2.2	53
25	Transient Intermittent Hyperglycemia-Enhanced Myelopoiesis and Atherosclerosis. Circulation Research, 2020, 127, 893-895.	4.5	0
26	Liver macrophages inhibit the endogenous antioxidant response in obesity-associated insulin resistance. Science Translational Medicine, 2020, 12, .	12.4	43
27	Macrophages directly contribute collagen to scar formation during zebrafish heart regeneration and mouse heart repair. Nature Communications, 2020, 11, 600.	12.8	216
28	Extracellular vesicles in metabolic disease. Diabetologia, 2019, 62, 2179-2187.	6.3	118
29	Acute Microvascular Impairment Post-Reperfused STEMI Is Reversible and Has Additional Clinical Predictive Value. JACC: Cardiovascular Imaging, 2019, 12, 1783-1793.	5.3	25
30	Neuropeptide-Y causes coronary microvascular constriction and is associated with reduced ejection fraction following ST-elevation myocardial infarction. European Heart Journal, 2019, 40, 1920-1929.	2.2	58
31	Incremental Value of Coronary Microcirculation Resistive Reserve Ratio in Predicting the Extent of Myocardial Infarction in Patients with STEMI. Insights from the Oxford Acute Myocardial Infarction (OxAMI) Study. Cardiovascular Revascularization Medicine, 2019, 20, 1148-1155.	0.8	21
32	Combined T1-mapping and tissue tracking analysis predicts severity of ischemic injury following acute STEMIâ€"an Oxford Acute Myocardial Infarction (OxAMI) study. International Journal of Cardiovascular Imaging, 2019, 35, 1297-1308.	1.5	15
33	Index of Microcirculatory Resistance as a Tool to Characterize Microvascular Obstruction and to Predict Infarct Size Regression in Patients With STEMI Undergoing Primary PCI. JACC: Cardiovascular Imaging, 2019, 12, 837-848.	5.3	74
34	Automated Motion Correction and 3D Vessel Centerlines Reconstruction from Non-simultaneous Angiographic Projections. Lecture Notes in Computer Science, 2019, , 12-20.	1.3	3
35	Optimized Rigid Motion Correction from Multiple Non-simultaneous X-Ray Angiographic Projections. Lecture Notes in Computer Science, 2019, , 61-69.	1.3	1
36	The relationship of perivascular adipose tissue and atherosclerosis in the aorta and carotid arteries, determined by magnetic resonance imaging. Diabetes and Vascular Disease Research, 2018, 15, 286-293.	2.0	18

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37	Metabolomic Profiling in Acute STâ€Segmentâ€“Elevation Myocardial Infarction Identifies Succinate as an Early Marker of Human Ischemiaâ€“Reperfusion Injury. Journal of the American Heart Association, 2018, 7, .	3.7	66
38	Noninvasive Immunometabolic Cardiac Inflammation Imaging Using Hyperpolarized Magnetic Resonance. Circulation Research, 2018, 122, 1084-1093.	4.5	64
39	The Role of Metabolite-Sensing G Protein-Coupled Receptors in Inflammation and Metabolic Disease. Antioxidants and Redox Signaling, 2018, 29, 237-256.	5.4	13
40	Dynamic changes in injured myocardium, very early after acute myocardial infarction, quantified using T1 mapping cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 82.	3.3	17
41	Current concepts in atherosclerosis. Indian Journal of Thoracic and Cardiovascular Surgery, 2018, 34, 198-205.	0.6	4
42	Reperfusion Treatment in Late Presentation Acute Myocardial Infarction. Circulation: Cardiovascular Interventions, 2018, 11, e007287.	3.9	8
43	T2 mapping MRI technique quantifies carotid plaque lipid, and its depletion after statin initiation, following acute myocardial infarction. Atherosclerosis, 2018, 279, 100-106.	0.8	25
44	Differential Gene Expression in Macrophages From Human Atherosclerotic Plaques Shows Convergence on Pathways Implicated by Genome-Wide Association Study Risk Variants. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 2718-2730.	2.4	20
45	3D reconstruction of coronary arteries from 2D angiographic projections using non-uniform rational basis splines (NURBS) for accurate modelling of coronary stenoses. PLoS ONE, 2018, 13, e0190650.	2.5	32
46	Covalent assembly of nanoparticles as a peptidase-degradable platform for molecular MRI. Nature Communications, 2017, 8, 14254.	12.8	46
47	Evolocumab Added to Statins to Reduce Progression of Coronary Atherosclerosis. JAMA - Journal of the American Medical Association, 2017, 317, 1690.	7.4	2
48	Inflammatory processes in cardiovascular disease: a route to targeted therapies. Nature Reviews Cardiology, 2017, 14, 133-144.	13.7	338
49	Role of deferred stenting in patients with ST elevation myocardial infarction treated with primary percutaneous coronary intervention: A systematic review and metaâ€analysis. Journal of Interventional Cardiology, 2017, 30, 264-273.	1.2	23
50	Heart regeneration and repair after myocardial infarction: translational opportunities for novel therapeutics. Nature Reviews Drug Discovery, 2017, 16, 699-717.	46.4	245
51	CMR Native T1 Mapping Allows Differentiation of Reversible Versus Irreversible Myocardial Damage in ST-Segmentâ€“Elevation Myocardial Infarction. Circulation: Cardiovascular Imaging, 2017, 10, .	2.6	71
52	Index of Microcirculatory Resistance at the Time of Primary Percutaneous Coronary Intervention Predicts Early Cardiac Complications: Insights From the OxAMI (Oxford Study in Acute Myocardial) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	3.7	33
53	A novel workflow combining plaque imaging, plaque and plasma proteomics identifies biomarkers of human coronary atherosclerotic plaque disruption. Clinical Proteomics, 2017, 14, 22.	2.1	16
54	Quantification of Lipid-Rich Core in Carotid Atherosclerosis Using Magnetic Resonance T2ÂMapping. JACC: Cardiovascular Imaging, 2017, 10, 747-756.	5.3	60

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55	Plaque imaging to refine indications for emerging lipid-lowering drugs. European Heart Journal - Cardiovascular Pharmacotherapy, 2017, 3, 58-67.	3.0	26
56	Câ€…Hyperpolarized magnetic resonance imaging of cardiac inflammation and repair. Heart, 2017, 103, A151.1-A151.	2.9	0
57	Concomitant pulmonary embolism and myocardial infarction due to paradoxical embolism across a patent foramen ovale: a case report. European Heart Journal - Case Reports, 2017, 1, ytx010.	0.6	5
58	Endothelium-derived extracellular vesicles promote splenic monocyte mobilization in myocardial infarction. JCI Insight, 2017, 2, .	5.0	75
59	Quantification of carotid plaque lipid content with magnetic resonance T2 mapping in patients undergoing carotid endarterectomy. PLoS ONE, 2017, 12, e0181668.	2.5	21
60	The ATI score (age-thrombus burden-index of microcirculatory resistance) determined during primary percutaneous coronary intervention predicts final infarct size in patients with ST-elevation myocardial infarction: a cardiac magnetic resonance validation study. EuroIntervention, 2017, 13, 935-943.	3.2	26
61	Aggressive restenosis after percutaneous intervention in two coronary loci in a patient with human immunodeficiency virus infection. World Journal of Clinical Cases, 2017, 5, 40.	0.8	0
62	Cardiac Imaging of Platelets and Inflammation. Cardiac and Vascular Biology, 2017, , 1-13.	0.2	0
63	11â€…Predicting the outcome of reperfusion acutely in patients with STEMI â€“ derivation and validation of the ATI score. Heart, 2016, 102, A6.2-A6.	2.9	0
64	Arterial Effects of Canakinumab in PatientsÂWith Atherosclerosis and TypeÂ2ÂDiabetes or Glucose Intolerance. Journal of the American College of Cardiology, 2016, 68, 1769-1780.	2.8	75
65	A tool for predicting the outcome of reperfusion in ST-elevation myocardial infarction using age, thrombotic burden and index of microcirculatory resistance (ATI score). EuroIntervention, 2016, 12, 1223-1230.	3.2	29
66	Refining the Enrolment Process in Emergency Medicine Research. The European Journal of Cardiovascular Medicine, 2016, 4, 506-510.	1.0	6
67	Molecular Magnetic Resonance Imaging of Angiogenesis In Vivo using Polyvalent Cyclic RGD-Iron Oxide Microparticle Conjugates. Theranostics, 2015, 5, 515-529.	10.0	54
68	Unmasking Silent Endothelial Activation in the Cardiovascular System Using Molecular Magnetic Resonance Imaging. Theranostics, 2015, 5, 1187-1202.	10.0	26
69	Acute myocardial infarction activates distinct inflammation and proliferation pathways in circulating monocytes, prior to recruitment, and identified through conserved transcriptional responses in mice and humans. European Heart Journal, 2015, 36, 1923-1934.	2.2	88
70	How does coronary stent implantation impact on the status of the microcirculation during primary percutaneous coronary intervention in patients with ST-elevation myocardial infarction?. European Heart Journal, 2015, 36, 3165-3177.	2.2	88
71	Evidence of poor adherence to secondary prevention after acute coronary syndromes: possible remedies through the application of new technologies. Open Heart, 2015, 2, e000166.	2.3	36
72	Myocardial Edema After Ischemia/Reperfusion Is Not Stable andÂFollowsÂaÂBimodal Pattern. Journal of the American College of Cardiology, 2015, 65, 315-323.	2.8	185

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73	Noninvasive Molecular Imaging of Mouse Atherosclerosis. Methods in Molecular Biology, 2015, 1339, 61-83.	0.9	5
74	Short bowel syndrome and clopidogrel non-responsiveness: a new indication for platelet aggregometry?. BMJ Case Reports, 2014, 2014, bcr2013202241-bcr2013202241.	0.5	0
75	Black-Blood Multicontrast Imaging of Carotid Arteries with DANTE-prepared 2D and 3D MR Imaging. Radiology, 2014, 273, 560-569.	7.3	74
76	Fast three-dimensional black-blood MR imaging for carotid artery intra-plaque haemorrhage using DANTE-prepared FLASH (3D-DASH). Journal of Cardiovascular Magnetic Resonance, 2014, 16, O75.	3.3	1
77	Endothelial Cellâ€“Specific Reactive Oxygen Species Production Increases Susceptibility to Aortic Dissection. Circulation, 2014, 129, 2661-2672.	1.6	96
78	Early change in invasive measures of microvascular function can predict myocardial recovery following PCI for ST-elevation myocardial infarction. European Heart Journal, 2014, 35, 1971-1980.	2.2	64
79	Flow vortices in the aortic root: in vivo 4D-MRI confirms predictions of Leonardo da Vinci. European Heart Journal, 2014, 35, 1344-1344.	2.2	33
80	Native T1-mapping detects the location, extent and patterns of acute myocarditis without the need for gadolinium contrast agents. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 36.	3.3	184
81	71â€…Percutaneous Coronary Intervention (PCI) Risk Scores Predicting Inpatient Mortality and Major Adverse Cardiac Events (MACE) are Poorly Concordant in High Risk Patients. Heart, 2014, 100, A41.2-A42.	2.9	3
82	Myocardial infarction causes inflammation and leukocyte recruitment at remote sites in the myocardium and in the renal glomerulus. Inflammation Research, 2013, 62, 515-525.	4.0	60
83	GPR109A and Vascular Inflammation. Current Atherosclerosis Reports, 2013, 15, 325.	4.8	55
84	In-vivo quantitative T2 mapping of carotid arteries in atherosclerotic patients: segmentation and T2 measurement of plaque components. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 69.	3.3	55
85	Targeted molecular imaging of vascular inflammation in cardiovascular disease using nano- and micro-sized agents. Vascular Pharmacology, 2013, 58, 31-38.	2.1	28
86	T1 Mapping for the Diagnosis of Acute Myocarditis Using CMR. JACC: Cardiovascular Imaging, 2013, 6, 1048-1058.	5.3	318
87	Cardiometabolic interventions â€“ focus on transcriptional regulators. The European Journal of Cardiovascular Medicine, 2013, 11, 212-218.	1.0	3
88	Exogenous Microparticles of Iron Oxide Bind to Activated Endothelial Cells but, Unlike Monocytes, Do Not Trigger an Endothelial Response. Theranostics, 2013, 3, 428-436.	10.0	14
89	Nicotinic Acid Receptor GPR109A Is Down-Regulated in Human Macrophage-Derived Foam Cells. PLoS ONE, 2013, 8, e62934.	2.5	21
90	Molecular MRI enables early and sensitive detection of brain metastases. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6674-6679.	7.1	131

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91	A Leukocyte-Mimetic Magnetic Resonance Imaging Contrast Agent Homes Rapidly to Activated Endothelium and Tracks With Atherosclerotic Lesion Macrophage Content. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 1427-1435.	2.4	57
92	Anti-Inflammatory Effects of Nicotinic Acid in Human Monocytes Are Mediated by GPR109A Dependent Mechanisms. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 669-676.	2.4	169
93	Atherosclerosis and arterial stiffness in obstructive sleep apneaâ€"A cardiovascular magnetic resonance study. Atherosclerosis, 2012, 222, 483-489.	0.8	32
94	Cardiovascular magnetic resonance by non contrast T1-mapping allows assessment of severity of injury in acute myocardial infarction. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 15.	3.3	236
95	Plaque Features Associated With Increased Cerebral Infarction After Minor Stroke and TIA. JACC: Cardiovascular Imaging, 2012, 5, 388-396.	5.3	60
96	Effects of p38 Mitogen-Activated Protein Kinase Inhibition on Vascular and Systemic Inflammation in Patients With Atherosclerosis. JACC: Cardiovascular Imaging, 2012, 5, 911-922.	5.3	123
97	MRI of acute vascular syndromes: the emerging role of cardiovascular MRI in the diagnosis and treatment of AMI and stroke. Expert Review of Cardiovascular Therapy, 2012, 10, 1101-1108.	1.5	0
98	Development and application of endotheliumâ€targeted microparticles for molecular magnetic resonance imaging. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2012, 4, 247-256.	6.1	8
99	Niacin in Cardiovascular Disease: Recent Preclinical and Clinical Developments. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 582-588.	2.4	42
100	Ischemic heart disease: Comprehensive evaluation by cardiovascular magnetic resonance. American Heart Journal, 2011, 162, 16-30.	2.7	43
101	Molecular imaging with optical coherence tomography using ligand-conjugated microparticles that detect activated endothelial cells: Rational design through target quantification. Atherosclerosis, 2011, 219, 579-587.	0.8	39
102	Effects of niacin on atherosclerosis and vascular function. Current Opinion in Cardiology, 2011, 26, 66-70.	1.8	27
103	The Role of Cardiovascular Magnetic Resonance in Patients With Acute Coronary Syndromes. Progress in Cardiovascular Diseases, 2011, 54, 230-239.	3.1	5
104	Microparticle-Based Molecular MRI of Atherosclerosis, Thrombosis, and Tissue Ischemia. Current Cardiovascular Imaging Reports, 2011, 4, 17-23.	0.6	2
105	Multimodal cardiovascular magnetic resonance quantifies regional variation in vascular structure and function in patients with coronary artery disease: Relationships with coronary disease severity. Journal of Cardiovascular Magnetic Resonance, 2011, 13, 61.	3.3	10
106	Loss of fine structure and edge sharpness in fastâ€spinâ€echo carotid wall imaging: Measurements and comparison with multipleâ€spinâ€echo in normal and atherosclerotic subjects. Journal of Magnetic Resonance Imaging, 2011, 33, 1136-1143.	3.4	13
107	VCAMâ€1â€targeted magnetic resonance imaging reveals subclinical disease in a mouse model of multiple sclerosis. FASEB Journal, 2011, 25, 4415-4422.	0.5	66
108	Macrophage Detection in Aortic Aneurysm. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 723-724.	2.4	0

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109	Dynamic Changes of Edema and Late Gadolinium Enhancement After Acute Myocardial Infarction and Their Relationship to Functional Recovery and Salvage Index. Circulation: Cardiovascular Imaging, 2011, 4, 228-236.	2.6	214
110	Hyperlipidaemia and cardiovascular disease: low HDL-cholesterol as a therapeutic target in statin-treated patients: a role for nicotinic acid (niacin)?. Current Opinion in Lipidology, 2010, 21, 161-162.	2.7	0
111	Target: ligand interactions of the vascular endothelium. Implications for molecular imaging in inflammation. Integrative Biology (United Kingdom), 2010, 2, 467-482.	1.3	4
112	Molecular Magnetic Resonance Imaging of Acute Vascular Cell Adhesion Molecule-1 Expression in a Mouse Model of Cerebral Ischemia. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1178-1187.	4.3	72
113	In Vivo Quantification of Vcam-1 Expression in Renal Ischemia Reperfusion Injury Using Non-Invasive Magnetic Resonance Molecular Imaging. PLoS ONE, 2010, 5, e12800.	2.5	57
114	CMR for characterization of the myocardium in acute coronary syndromes. Nature Reviews Cardiology, 2010, 7, 624-636.	13.7	53
115	RAâ€"lowering cardiovascular risk with statins. Nature Reviews Rheumatology, 2010, 6, 123-124.	8.0	0
116	Atherosclerosis regression and high-density lipoproteins. Expert Review of Cardiovascular Therapy, 2010, 8, 1325-1334.	1.5	14
117	Anti-inflammatory effects of nicotinic acid in adipocytes demonstrated by suppression of fractalkine, RANTES, and MCP-1 and upregulation of adiponectin. Atherosclerosis, 2010, 209, 89-95.	0.8	103
118	An approach to molecular imaging of atherosclerosis, thrombosis, and vascular inflammation using microparticles of iron oxide. Atherosclerosis, 2010, 209, 18-27.	0.8	98
119	Visualization of Activated Platelets by Targeted Magnetic Resonance Imaging Utilizing Conformation-Specific Antibodies against Glycoprotein IIb/IIIa. Journal of Vascular Research, 2009, 46, 6-14.	1.4	66
120	Reproducibility and accuracy of automated measurement for dynamic arterial lumen area by cardiovascular magnetic resonance. International Journal of Cardiovascular Imaging, 2009, 25, 797-808.	1.5	21
121	MRI of vulnerable plaque. Current Cardiovascular Imaging Reports, 2009, 2, 5-14.	0.6	1
122	Effects of High-Dose Modified-Release Nicotinic Acid on Atherosclerosis and Vascular Function. Journal of the American College of Cardiology, 2009, 54, 1787-1794.	2.8	237
123	Applications of nanotechnology in molecular imaging of the brain. Progress in Brain Research, 2009, 180, 72-96.	1.4	16
124	Molecular Imaging in Atherosclerosis, Thrombosis, and Vascular Inflammation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 983-991.	2.4	92
125	Nicotinic acid and the prevention of coronary artery disease. Current Opinion in Lipidology, 2009, 20, 321-326.	2.7	38
126	Atherosclerosis regression. Current Treatment Options in Cardiovascular Medicine, 2008, 10, 187-194.	0.9	1

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127	Form to function: current and future roles for atherosclerosis imaging in drug development. Nature Reviews Drug Discovery, 2008, 7, 517-529.	46.4	68
128	Early changes in arterial structure and function following statin initiation: Quantification by magnetic resonance imaging. Atherosclerosis, 2008, 197, 951-958.	0.8	54
129	Magnetic Resonance Imaging of Endothelial Adhesion Molecules in Mouse Atherosclerosis Using Dual-Targeted Microparticles of Iron Oxide. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 77-83.	2.4	242
130	A contrast agent recognizing activated platelets reveals murine cerebral malaria pathology undetectable by conventional MRI. Journal of Clinical Investigation, 2008, 118, 1198-207.	8.2	77
131	Prospects for atherosclerosis regression through increase in high-density lipoprotein and other emerging therapeutic targets. Heart, 2007, 93, 559-564.	2.9	30
132	Multi-modal magnetic resonance imaging quantifies atherosclerosis and vascular dysfunction in patients with type 2 diabetes mellitus. Diabetes and Vascular Disease Research, 2007, 4, 44-48.	2.0	38
133	Atherosclerosis and Thrombosis. Topics in Magnetic Resonance Imaging, 2007, 18, 319-327.	1.2	3
134	In vivo magnetic resonance imaging of acute brain inflammation using microparticles of iron oxide. Nature Medicine, 2007, 13, 1253-1258.	30.7	275
135	Mechanisms of Disease: macrophage-derived foam cells emerging as therapeutic targets in atherosclerosis. Nature Clinical Practice Cardiovascular Medicine, 2005, 2, 309-315.	3.3	127
136	Broad-Spectrum CC-Chemokine Blockade by Gene Transfer Inhibits Macrophage Recruitment and Atherosclerotic Plaque Formation in Apolipoprotein Eâ€“Knockout Mice. Circulation, 2004, 110, 2460-2466.	1.6	77
137	Effects of Simvastatin on Plasma Lipoproteins and Response to Arterial Injury in Wild-Type and Apolipoprotein-E-Deficient Mice. Journal of Vascular Research, 2004, 41, 75-83.	1.4	26
138	High-Density Lipoproteins Retard the Progression of Atherosclerosis and Favorably Remodel Lesions Without Suppressing Indices of Inflammation or Oxidation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 1904-1909.	2.4	107
139	Debris Trapped by a Distal Protection Device May Mimic No-Reflow During Percutaneous Coronary Intervention. Circulation, 2004, 109, 803-804.	1.6	7
140	Molecular, cellular and functional imaging of atherothrombosis. Nature Reviews Drug Discovery, 2004, 3, 913-925.	46.4	229
141	Global impairment of brachial, carotid, and aortic vascular function in young smokers. Journal of the American College of Cardiology, 2004, 44, 2056-2064.	2.8	119
142	Serial, noninvasive, in vivo magnetic resonance microscopy detects the development of atherosclerosis in apolipoprotein E-deficient mice and its progression by arterial wall remodeling. Journal of Magnetic Resonance Imaging, 2003, 17, 184-189.	3.4	31
143	Dietary glycotoxins promote diabetic atherosclerosis in apolipoprotein E-deficient mice. Atherosclerosis, 2003, 168, 213-220.	0.8	170
144	Laser capture microdissection analysis of gene expression in macrophages from atherosclerotic lesions of apolipoprotein E-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 2234-2239.	7.1	161

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145	Coronary Wall Imaging with MRI. European Journal of Cardiovascular Prevention and Rehabilitation, 2002, 9, 263-270.	2.8	5
146	MRI and Characterization of Atherosclerotic Plaque. Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 22, 1065-1074.	2.4	138
147	Atherosclerotic lesions in genetically modified mice quantified in vivo by non-invasive high-resolution magnetic resonance microscopy. Atherosclerosis, 2002, 162, 315-321.	0.8	58
148	New Insights Into the Progression of Aortic Stenosis: Implications for Secondary Prevention. Circulation, 2001, 103, E67.	1.6	1
149	Elevating High-Density Lipoprotein Cholesterol in Apolipoprotein E-Deficient Mice Remodels Advanced Atherosclerotic Lesions by Decreasing Macrophage and Increasing Smooth Muscle Cell Content. Circulation, 2001, 104, 2447-2452.	1.6	204