

# Zahi A Fayad

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

499  
papers

41,240  
citations

101  
h-index

190  
g-index

564  
ext. papers

47,729  
ext. citations

8.2  
avg, IF

7.34  
L-index

#	Paper	IF	Citations
499	Exploring the Utility of Radiomic Feature Extraction to Improve the Diagnostic Accuracy of Cardiac Sarcoidosis Using FDG PET.. <i>Frontiers in Medicine</i> , <b>2022</b> , 9, 840261	4.9	0
498	Systematically evaluating DOTATATE and FDG as PET immuno-imaging tracers of cardiovascular inflammation.. <i>Scientific Reports</i> , <b>2022</b> , 12, 6185	4.9	1
497	Improvement of magnetic resonance imaging using a wireless radiofrequency resonator array. <i>Scientific Reports</i> , <b>2021</b> , 11, 23034	4.9	1
496	Measuring Visceral Adipose Tissue Metabolic Activity in Sleep Apnea Utilizing Hybrid F-FDG PET/MRI: A Pilot Study. <i>Nature and Science of Sleep</i> , <b>2021</b> , 13, 1943-1953	3.6	1
495	Assessing the qualitative and quantitative impacts of simple two-class vs multiple tissue-class MR-based attenuation correction for cardiac PET/MR. <i>Journal of Nuclear Cardiology</i> , <b>2021</b> , 28, 2194-2204 <sup>2.1</sup>	4.1	4
494	A modular approach toward producing nanotherapeutics targeting the innate immune system. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	9
493	Prosaposin mediates inflammation in atherosclerosis. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	7
492	Automated detection of critical findings in multi-parametric brain MRI using a system of 3D neural networks. <i>Scientific Reports</i> , <b>2021</b> , 11, 6876	4.9	3
491	Combining Initial Radiographs and Clinical Variables Improves Deep Learning Prognostication in Patients with COVID-19 from the Emergency Department. <i>Radiology: Artificial Intelligence</i> , <b>2021</b> , 3, e200098 <sup>8.7</sup>	8.7	21
490	Cortical inflammation and brain signs of high-risk atherosclerosis in a non-human primate model. <i>Brain Communications</i> , <b>2021</b> , 3, fcab064	4.5	0
489	Scan-rescan measurement repeatability of F-FDG PET/MR imaging of vascular inflammation. <i>Journal of Nuclear Cardiology</i> , <b>2021</b> , 1	2.1	2
488	Testing the Effects of Disease-Modifying Antirheumatic Drugs on Vascular Inflammation in Rheumatoid Arthritis: Rationale and Design of the TARGET Trial. <i>ACR Open Rheumatology</i> , <b>2021</b> , 3, 371-380 <sup>3.5</sup>	3.5	0
487	Atherosclerosis inflammation and burden in young adult smokers and vapers measured by PET/MR. <i>Atherosclerosis</i> , <b>2021</b> , 325, 110-116	3.1	2
486	Predictive Approaches for Acute Dialysis Requirement and Death in COVID-19. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , <b>2021</b> , 16, 1158-1168	6.9	3
485	Targeting Trained Innate Immunity With Nanobiologics to Treat Cardiovascular Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, 1839-1850	9.4	1
484	Nanoengineering Apolipoprotein A1-Based Immunotherapeutics. <i>Advanced Therapeutics</i> , <b>2021</b> , 4, 2100083 <sup>4.3</sup>	4.3	1
483	Portable Chest Radiography as an Exclusionary Test for Adverse Clinical Outcomes During the COVID-19 Pandemic. <i>Chest</i> , <b>2021</b> , 160, 238-248	5.3	4

482	Pulmonary Artery F-Fluorodeoxyglucose Uptake by PET/CMR as a Marker of Pulmonary Hypertension in Sarcoidosis. <i>JACC: Cardiovascular Imaging</i> , <b>2021</b> , 15, 108-108	8.4	0
481	Acute Kidney Injury in Patients Hospitalized With COVID-19 in New York City: Temporal Trends From March 2020 to April 2021. <i>Kidney Medicine</i> , <b>2021</b> , 3, 877-879	2.8	4
480	Cardiovascular F-fluoride positron emission tomography-magnetic resonance imaging: A comparison study. <i>Journal of Nuclear Cardiology</i> , <b>2021</b> , 28, 1-12	2.1	11
479	Outcomes of Patients on Maintenance Dialysis Hospitalized with COVID-19. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , <b>2021</b> , 16, 452-455	6.9	16
478	Trained immunity, tolerance, priming and differentiation: distinct immunological processes. <i>Nature Immunology</i> , <b>2021</b> , 22, 2-6	19.1	85
477	Prospective Motion Correction for Brain MRI Using an External Tracking System. <i>Journal of Neuroimaging</i> , <b>2021</b> , 31, 57-61	2.8	0
476	AKI in Hospitalized Patients with COVID-19. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2021</b> , 32, 151-160	12.7	225
475	A leucopoietic-arterial axis underlying the link between ambient air pollution and cardiovascular disease in humans. <i>European Heart Journal</i> , <b>2021</b> , 42, 761-772	9.5	13
474	Federated Learning of Electronic Health Records to Improve Mortality Prediction in Hospitalized Patients With COVID-19: Machine Learning Approach. <i>JMIR Medical Informatics</i> , <b>2021</b> , 9, e24207	3.6	29
473	Association of SARS-CoV-2 viral load at admission with in-hospital acute kidney injury: A retrospective cohort study. <i>PLoS ONE</i> , <b>2021</b> , 16, e0247366	3.7	2
472	Use of Physiological Data From a Wearable Device to Identify SARS-CoV-2 Infection and Symptoms and Predict COVID-19 Diagnosis: Observational Study. <i>Journal of Medical Internet Research</i> , <b>2021</b> , 23, e26107	7.6	24
471	Magnetization-prepared GRASP MRI for rapid 3D T1 mapping and fat/water-separated T1 mapping. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 86, 97-114	4.4	2
470	Posttraumatic Stress Disorder and Cardiovascular Disease: State of the Science, Knowledge Gaps, and Research Opportunities. <i>JAMA Cardiology</i> , <b>2021</b> , 6, 1207-1216	16.2	9
469	Novel non-invasive assessment of upper airway inflammation in obstructive sleep apnea using positron emission tomography/magnetic resonance imaging. <i>Sleep and Breathing</i> , <b>2021</b> , 1	3.1	1
468	A neurobiological link between transportation noise exposure and metabolic disease in humans. <i>Psychoneuroendocrinology</i> , <b>2021</b> , 131, 105331	5	3
467	Factors Associated With Longitudinal Psychological and Physiological Stress in Health Care Workers During the COVID-19 Pandemic: Observational Study Using Apple Watch Data. <i>Journal of Medical Internet Research</i> , <b>2021</b> , 23, e31295	7.6	3
466	Coronary artery calcification in COVID-19 patients: an imaging biomarker for adverse clinical outcomes. <i>Clinical Imaging</i> , <b>2021</b> , 77, 1-8	2.7	7
465	Sleep apnea, coronary artery calcium density, and cardiovascular events: results from the Multi-Ethnic Study of Atherosclerosis. <i>Journal of Clinical Sleep Medicine</i> , <b>2021</b> , 17, 2075-2083	3.1	1

464	Sleep duration and vascular inflammation using hybrid positron emission tomography/magnetic resonance imaging: results from the Multi-Ethnic Study of Atherosclerosis. <i>Journal of Clinical Sleep Medicine</i> , <b>2021</b> , 17, 2009-2018	3.1	0
463	GAMER MRI: Gated-attention mechanism ranking of multi-contrast MRI in brain pathology. <i>NeuroImage: Clinical</i> , <b>2021</b> , 29, 102522	5.3	1
462	Exposure to Air Pollution Disrupts Circadian Rhythm through Alterations in Chromatin Dynamics. <i>IScience</i> , <b>2020</b> , 23, 101728	6.1	9
461	Artificial intelligence-enabled rapid diagnosis of patients with COVID-19. <i>Nature Medicine</i> , <b>2020</b> , 26, 1224-1228	13.28	453
460	Whole-Body Atherosclerosis Imaging by Positron Emission Tomography/Magnetic Resonance Imaging: From Mice to Nonhuman Primates. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2020</b> , 40, 1123-1134	9.4	1
459	Association of Treatment Dose Anticoagulation With In-Hospital Survival Among Hospitalized Patients With COVID-19. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 76, 122-124	15.1	606
458	Clinical and Chest Radiography Features Determine Patient Outcomes in Young and Middle-aged Adults with COVID-19. <i>Radiology</i> , <b>2020</b> , 297, E197-E206	20.5	167
457	Hybrid Positron Emission Tomography/Magnetic Resonance Imaging in Arrhythmic Mitral Valve Prolapse. <i>JAMA Cardiology</i> , <b>2020</b> , 5, 1000-1005	16.2	12
456	Prevalence and Impact of Myocardial Injury in Patients Hospitalized With COVID-19 Infection. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 76, 533-546	15.1	359
455	Coronavirus 2019 and People Living With Human Immunodeficiency Virus: Outcomes for Hospitalized Patients in New York City. <i>Clinical Infectious Diseases</i> , <b>2020</b> , 71, 2933-2938	11.6	100
454	Atherosclerosis Immunoimaging by Positron Emission Tomography. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2020</b> , 40, 865-873	9.4	6
453	Chest CT Findings in Coronavirus Disease-19 (COVID-19): Relationship to Duration of Infection. <i>Radiology</i> , <b>2020</b> , 295, 200463	20.5	1450
452	CT Imaging Features of 2019 Novel Coronavirus (2019-nCoV). <i>Radiology</i> , <b>2020</b> , 295, 202-207	20.5	1531
451	Ultra-high resolution, 3-dimensional magnetic resonance imaging of the atherosclerotic vessel wall at clinical 7T. <i>PLoS ONE</i> , <b>2020</b> , 15, e0241779	3.7	1
450	Clinical imaging of cardiovascular inflammation. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2020</b> , 64, 74-84	1.4	1
449	Machine Learning to Predict Mortality and Critical Events in a Cohort of Patients With COVID-19 in New York City: Model Development and Validation. <i>Journal of Medical Internet Research</i> , <b>2020</b> , 22, e24018	7.6	82
448	Segmentation of carotid arterial walls using neural networks. <i>World Journal of Radiology</i> , <b>2020</b> , 12, 1-9	2.9	5
447	Review of radiographic findings in COVID-19. <i>World Journal of Radiology</i> , <b>2020</b> , 12, 142-155	2.9	17

446	Quantification of uric acid in vasculature of patients with gout using dual-energy computed tomography. <i>World Journal of Radiology</i> , <b>2020</b> , 12, 184-194	2.9	5
445	Prevalence and Impact of Myocardial Injury in Patients Hospitalized with COVID-19 Infection <b>2020</b> ,		27
444	Federated Learning of Electronic Health Records Improves Mortality Prediction in Patients Hospitalized with COVID-19 <b>2020</b> ,		9
443	Hybrid PET- and MR-driven attenuation correction for enhanced F-NaF and F-FDG quantification in cardiovascular PET/MR imaging. <i>Journal of Nuclear Cardiology</i> , <b>2020</b> , 27, 1126-1141	2.1	7
442	Different Lifestyle Interventions in Adults From Underserved Communities: The FAMILIA Trial. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 75, 42-56	15.1	4
441	A neurobiological mechanism linking transportation noise to cardiovascular disease in humans. <i>European Heart Journal</i> , <b>2020</b> , 41, 772-782	9.5	46
440	Challenges in Cardiac and Pulmonary Sarcoidosis: JACC State-of-the-Art Review. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 76, 1878-1901	15.1	26
439	Immune Checkpoint Inhibitor Therapy Aggravates T Cell-Driven Plaque Inflammation in Atherosclerosis. <i>JACC: CardioOncology</i> , <b>2020</b> , 2, 599-610	3.8	18
438	<sup>18</sup> F-fluoride PET/MR in cardiac amyloid: A comparison study with aortic stenosis and age- and sex-matched controls. <i>Journal of Nuclear Cardiology</i> , <b>2020</b> , 1	2.1	1
437	Hydroxychloroquine Inhibits the Trained Innate Immune Response to Interferons. <i>Cell Reports Medicine</i> , <b>2020</b> , 1, 100146	18	13
436	Sleep-disordered breathing and left ventricular scar on cardiac magnetic resonance: results of the Multi-Ethnic Study of Atherosclerosis. <i>Journal of Clinical Sleep Medicine</i> , <b>2020</b> , 16, 855-862	3.1	3
435	A Preliminary F-FDG-PET/MRI Study Shows Increased Vascular Inflammation in Moderate-to-Severe Atopic Dermatitis. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , <b>2020</b> , 8, 3500-3506	5.4	2
434	Trained Immunity-Promoting Nanobiologic Therapy Suppresses Tumor Growth and Potentiates Checkpoint Inhibition. <i>Cell</i> , <b>2020</b> , 183, 786-801.e19	56.2	42
433	Prognostic Impact of Prior Heart Failure in Patients Hospitalized With COVID-19. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 76, 2334-2348	15.1	78
432	Anticoagulation, Bleeding, Mortality, and Pathology in Hospitalized Patients With COVID-19. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 76, 1815-1826	15.1	240
431	Contemporary rationale for non-invasive imaging of adverse coronary plaque features to identify the vulnerable patient: Position Paper from the European Society of Cardiology Working Group on Atherosclerosis and Vascular Biology and the European Association of Cardiovascular Imaging. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2020</b> , 21, 1177-1183	4.1	10
430	Disentangling the Links Between Psychosocial Stress and Cardiovascular Disease. <i>Circulation: Cardiovascular Imaging</i> , <b>2020</b> , 13, e010931	3.9	18
429	Multimodal Positron Emission Tomography Imaging to Quantify Uptake of Zr-Labeled Liposomes in the Atherosclerotic Vessel Wall. <i>Bioconjugate Chemistry</i> , <b>2020</b> , 31, 360-368	6.3	12

428	Trained immunity in organ transplantation. <i>American Journal of Transplantation</i> , <b>2020</b> , 20, 10-18	8.7	32
427	Noninvasive Imaging to Assess Atherosclerotic Plaque Composition and Disease Activity: Coronary and Carotid Applications. <i>JACC: Cardiovascular Imaging</i> , <b>2020</b> , 13, 1055-1068	8.4	26
426	An iterative sparse deconvolution method for simultaneous multicolor F-MRI of multiple contrast agents. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 83, 228-239	4.4	16
425	Probing myeloid cell dynamics in ischaemic heart disease by nanotracer hot-spot imaging. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 398-405	28.7	20
424	Hybrid PET-MR list-mode kernelized expectation maximization reconstruction. <i>Inverse Problems</i> , <b>2019</b> , 35, 044001	2.3	24
423	Stress-Associated Neurobiological Pathway Linking Socioeconomic Disparities to Cardiovascular Disease. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 73, 3243-3255	15.1	55
422	Advanced Imaging in Cardiac Sarcoidosis. <i>Journal of Nuclear Medicine</i> , <b>2019</b> , 60, 892-898	8.9	18
421	Advances in Therapies and Imaging for Systemic Vasculitis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2019</b> , 39, 1520-1541	9.4	14
420	Ga-DOTATATE PET Identifies Residual Myocardial Inflammation and Bone Marrow Activation After Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 73, 2489-2491	15.1	21
419	Child Health Promotion in Underserved Communities: The FAMILIA Trial. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 73, 2011-2021	15.1	22
418	Lipoprotein(a) and Oxidized Phospholipids Promote Valve Calcification in Patients With Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 73, 2150-2162	15.1	97
417	Hybrid PET/MR Kernelised Expectation Maximisation Reconstruction for Improved Image-Derived Estimation of the Input Function from the Aorta of Rabbits. <i>Contrast Media and Molecular Imaging</i> , <b>2019</b> , 2019, 3438093	3.2	10
416	Therapeutic targeting of trained immunity. <i>Nature Reviews Drug Discovery</i> , <b>2019</b> , 18, 553-566	64.1	169
415	Amygdalar Metabolic Activity Independently Associates With Progression of Visceral Adiposity. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2019</b> , 104, 1029-1038	5.6	7
414	Imaging-assisted nanoimmunotherapy for atherosclerosis in multiple species. <i>Science Translational Medicine</i> , <b>2019</b> , 11,	17.5	31
413	Imaging plaque inflammation in asymptomatic cocaine addicted individuals with simultaneous positron emission tomography/magnetic resonance imaging. <i>World Journal of Radiology</i> , <b>2019</b> , 11, 62-73 <sup>2,9</sup>		5
412	Atherosclerotic Plaque Imaging <b>2019</b> , 335-342.e3		
411	Nanoimmunotherapy to treat ischaemic heart disease. <i>Nature Reviews Cardiology</i> , <b>2019</b> , 16, 21-32	14.8	26

410	Persistent arterial wall inflammation in patients with elevated lipoprotein(a) despite strong low-density lipoprotein cholesterol reduction by proprotein convertase subtilisin/kexin type 9 antibody treatment. <i>European Heart Journal</i> , <b>2019</b> , 40, 2775-2781	9.5	61
409	Nanobody-Facilitated Multiparametric PET/MRI Phenotyping of Atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , <b>2019</b> , 12, 2015-2026	8.4	42
408	Effect of PET-MR Inconsistency in the Kernel Image Reconstruction Method. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , <b>2019</b> , 3, 400-409	4.2	16
407	Amygdalar activity predicts future incident diabetes independently of adiposity. <i>Psychoneuroendocrinology</i> , <b>2019</b> , 100, 32-40	5	13
406	Carotid Artery Remodeling Is Segment Specific: An In Vivo Study by Vessel Wall Magnetic Resonance Imaging. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2018</b> , 38, 927-934	9.4	25
405	Assessment of atherosclerotic plaque activity in patients with sleep apnea using hybrid positron emission tomography/magnetic resonance imaging (PET/MRI): a feasibility study. <i>Sleep and Breathing</i> , <b>2018</b> , 22, 1125-1135	3.1	11
404	Efficacy and safety assessment of a TRAF6-targeted nanoimmunotherapy in atherosclerotic mice and non-human primates. <i>Nature Biomedical Engineering</i> , <b>2018</b> , 2, 279-292	19	60
403	PET/MR Imaging of Malondialdehyde-Acetaldehyde Epitopes With a Human $\alpha$ Antibody Detects Clinically Relevant Atherothrombosis. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 71, 321-335	15.1	31
402	Combined PET/DCE-MRI in a Rabbit Model of Atherosclerosis: Integrated Quantification of Plaque Inflammation, Permeability, and Burden During Treatment With a Leukotriene A4 Hydrolase Inhibitor. <i>JACC: Cardiovascular Imaging</i> , <b>2018</b> , 11, 291-301	8.4	18
401	High-Density Lipoprotein Nanobiologics for Precision Medicine. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 127-137	24.3	45
400	New methods to image unstable atherosclerotic plaques. <i>Atherosclerosis</i> , <b>2018</b> , 272, 118-128	3.1	42
399	Hybrid Magnetic Resonance Imaging and Positron Emission Tomography With Fluorodeoxyglucose to Diagnose Active Cardiac Sarcoidosis. <i>JACC: Cardiovascular Imaging</i> , <b>2018</b> , 11, 94-107	8.4	94
398	Development and Multiparametric Evaluation of Experimental Atherosclerosis in Rabbits. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1816, 385-400	1.4	3
397	Reproducibility of thrombus volume quantification in multicenter computed tomography pulmonary angiography studies. <i>World Journal of Radiology</i> , <b>2018</b> , 10, 124-134	2.9	3
396	Effect of varying computed tomography acquisition and reconstruction parameters on semi-automated clot volume quantification. <i>World Journal of Radiology</i> , <b>2018</b> , 10, 24-29	2.9	2
395	Comparison of Inter-Observer Bias between Low Resolution and High Resolution Scans using 3T and 7T Scanners. <i>FASEB Journal</i> , <b>2018</b> , 32, lb533	0.9	
394	Material decomposition in an arbitrary number of dimensions using noise compensating projection. <i>Biomedical Physics and Engineering Express</i> , <b>2018</b> , 4, 015007	1.5	1
393	Vessel wall characterization using quantitative MRI: what's in a number?. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2018</b> , 31, 201-222	2.8	22

392	Correction of respiratory and cardiac motion in cardiac PET/MR using MR-based motion modeling. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 225011	3.8	25
391	Inhibiting Inflammation with Myeloid Cell-Specific Nanobiologics Promotes Organ Transplant Acceptance. <i>Immunity</i> , <b>2018</b> , 49, 819-828.e6	32.3	95
390	Monocyte and Macrophage Dynamics in the Cardiovascular System: JACC Macrophage in CVD Series (Part 3). <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 72, 2198-2212	15.1	31
389	Eradicating the Burden of Atherosclerotic Cardiovascular Disease by Lowering Apolipoprotein B Lipoproteins Earlier in Life. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7, e009778	6	43
388	Clinical Utility of Combined FDG-PET/MR to Assess Myocardial Disease. <i>JACC: Cardiovascular Imaging</i> , <b>2017</b> , 10, 594-597	8.4	32
387	Real-Time Monitoring of Nanoparticle Formation by FRET Imaging. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 2969-2972	3.9	6
386	Real-Time Monitoring of Nanoparticle Formation by FRET Imaging. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 2923-2926	16.4	22
385	Relation between resting amygdalar activity and cardiovascular events: a longitudinal and cohort study. <i>Lancet, The</i> , <b>2017</b> , 389, 834-845	40	269
384	Polyglucose nanoparticles with renal elimination and macrophage avidity facilitate PET imaging in ischaemic heart disease. <i>Nature Communications</i> , <b>2017</b> , 8, 14064	17.4	95
383	Coronary Artery PET/MR Imaging: Feasibility, Limitations, and Solutions. <i>JACC: Cardiovascular Imaging</i> , <b>2017</b> , 10, 1103-1112	8.4	69
382	Rationale and Design of Family-Based Approach in a Minority Community Integrating Systems-Biology for Promotion of Health (FAMILIA). <i>American Heart Journal</i> , <b>2017</b> , 187, 170-181	4.9	10
381	Applying nanomedicine in maladaptive inflammation and angiogenesis. <i>Advanced Drug Delivery Reviews</i> , <b>2017</b> , 119, 143-158	18.5	29
380	Hyaluronan Nanoparticles Selectively Target Plaque-Associated Macrophages and Improve Plaque Stability in Atherosclerosis. <i>ACS Nano</i> , <b>2017</b> , 11, 5785-5799	16.7	103
379	3D black blood MR angiography of the carotid arteries. A simple sequence for plaque hemorrhage and stenosis evaluation. <i>Magnetic Resonance Imaging</i> , <b>2017</b> , 42, 95-100	3.3	7
378	Investigating the Cellular Specificity in Tumors of a Surface-Converting Nanoparticle by Multimodal Imaging. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 1413-1421	6.3	6
377	Vascular disease in cocaine addiction. <i>Atherosclerosis</i> , <b>2017</b> , 262, 154-162	3.1	55
376	Cap inflammation leads to higher plaque cap strain and lower cap stress: An MRI-PET/CT-based FSI modeling approach. <i>Journal of Biomechanics</i> , <b>2017</b> , 50, 121-129	2.9	20
375	Cardiovascular Immunotherapy and the Role of Imaging. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2017</b> , 37, e167-e171	9.4	4

374	MR/PET Imaging of the Cardiovascular System. <i>JACC: Cardiovascular Imaging</i> , <b>2017</b> , 10, 1165-1179	8.4	47
373	Arterial Thrombus Stability: Does It Matter and Can We Detect It?. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 70, 2036-2047	15.1	29
372	Integrating nanomedicine and imaging. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2017</b> , 375,	3	5
371	<b>2017</b> ,		7
370	Direct 4D Patlak 18F-FDG PET/MR for the Multi-Parametric Assessment of active cardiac sarcoidosis <b>2017</b> ,		1
369	Imaging: Perivascular fat - an unheralded informant of coronary inflammation. <i>Nature Reviews Cardiology</i> , <b>2017</b> , 14, 573-574	14.8	4
368	Unraveling Vascular Inflammation: From Immunology to Imaging. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 70, 1403-1412	15.1	45
367	Reply to: "Eblocker treatment of vascular disease in cocaine addiction". <i>Atherosclerosis</i> , <b>2017</b> , 264, 123-124		4
366	Social stress induces neurovascular pathology promoting depression. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 1752-1760	25.5	354
365	A systematic comparison of clinically viable nanomedicines targeting HMG-CoA reductase in inflammatory atherosclerosis. <i>Journal of Controlled Release</i> , <b>2017</b> , 262, 47-57	11.7	37
364	Short-term changes in arterial inflammation predict long-term changes in atherosclerosis progression. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2017</b> , 44, 141-150	8.8	16
363	PET-driven respiratory phase tracking and self-gating of PET data: clinical demonstration of enhanced lesion detectability in cardiovascular PET/MRI <b>2017</b> ,		1
362	Feasibility of imaging superficial palmar arch using micro-ultrasound, 7T and 3T magnetic resonance imaging. <i>World Journal of Radiology</i> , <b>2017</b> , 9, 79-84	2.9	3
361	Arterial Effects of Canakinumab in Patients With Atherosclerosis and Type 2 Diabetes or Glucose Intolerance. <i>Journal of the American College of Cardiology</i> , <b>2016</b> , 68, 1769-1780	15.1	59
360	Immune cell screening of a nanoparticle library improves atherosclerosis therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E6731-E6740	11.5	75
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