Alkystis Phinikaridou

List of Publications by Year
in descending order

64 papers	1,859 citations	236925 25 h-index	265206 42 g-index
64 all docs	64 docs citations	64 times ranked	3645 citing authors

#	Article	IF	Citations
1	Thrombosis and Embolism. , 2021, , 1225-1244.		0
2	Assessment of hepatic fatty acids during non-alcoholic steatohepatitis progression using magnetic resonance spectroscopy. Annals of Hepatology, 2021, 25, 100358.	1.5	3
3	Imaging of Dysfunctional Elastogenesis in Atherosclerosis Using an Improved Gadolinium-Based Tetrameric MRI Probe Targeted to Tropoelastin. Journal of Medicinal Chemistry, 2021, 64, 15250-15261.	6.4	2
4	Use of Computed Tomography and Magnetic Resonance Imaging in Central Venous Disease. Methodist DeBakey Cardiovascular Journal, 2021, 14, 188.	1.0	16
5	Quantitative MRI of Endothelial Permeability and (Dys)function in Atherosclerosis. Journal of Visualized Experiments, 2021, , .	0.3	2
6	Tropoelastin: an in vivo imaging marker of dysfunctional matrix turnover during abdominal aortic dilation. Cardiovascular Research, 2020, 116, 995-1005.	3.8	10
7	Sustained Focal Vascular Inflammation Accelerates Atherosclerosis in Remote Arteries. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 2159-2170.	2.4	13
8	Imaging the Extracellular Matrix in Prevalent Cardiovascular Diseases. Applied Sciences (Switzerland), 2020, 10, 4001.	2.5	4
9	Targeted Molecular Iron Oxide Contrast Agents for Imaging Atherosclerotic Plaque. Nanotheranostics, 2020, 4, 184-194.	5.2	20
10	Contrast-free high-resolution 3D magnetization transfer imaging for simultaneous myocardial scar and cardiac vein visualization. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 627-640.	2.0	4
11	⁶⁸Ga-Sienna+ for PET-MRI Guided Sentinel Lymph Node Biopsy: Synthesis and Preclinical Evaluation in a Metastatic Breast Cancer Model. Nanotheranostics, 2019, 3, 255-265.	5.2	11
12	Atherosclerotic Plaque Imaging. Contemporary Cardiology, 2019, , 229-248.	0.1	0
13	Molecular Imaging in Ischemic Heart Disease. Current Cardiovascular Imaging Reports, 2019, 12, 31.	0.6	2
14	Arterial stiffening is a heritable trait associated with arterial dilation but not wall thickening: a longitudinal study in the twins UK cohort. European Heart Journal, 2018, 39, 2282-2288.	2.2	24
15	Simultaneous brightâ€•and blackâ€blood wholeâ€heart MRI for noncontrast enhanced coronary lumen and thrombus visualization. Magnetic Resonance in Medicine, 2018, 79, 1460-1472.	3.0	33
16	Atherosclerotic Plaque Imaging. , 2018, , 261-300.		2
17	Simultaneous Assessment of Cardiac Inflammation and Extracellular Matrix Remodeling After Myocardial Infarction. Circulation: Cardiovascular Imaging, 2018, 11, .	2.6	30
18	Tropoelastin. Circulation: Cardiovascular Imaging, 2018, 11, .	2.6	25

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19	MRI with gadofosveset: A potential marker for permeability in myocardial infarction. Atherosclerosis, 2018, 275, 400-408.	0.8	15
20	Contrast-enhanced magnetic resonance imaging for the detection of ruptured coronary plaques in patients with acute myocardial infarction. PLoS ONE, 2017, 12, e0188292.	2.5	12
21	Gadolinium and Platinum in Tandem: Real-time Multi-Modal Monitoring of Drug Delivery by MRI and Fluorescence Imaging. Nanotheranostics, 2017, 1, 186-195.	5.2	11
22	Increased Vascular Permeability Measured With an Albumin-Binding Magnetic Resonance Contrast Agent Is a Surrogate Marker of Rupture-Prone Atherosclerotic Plaque. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	22
23	Early inÂvivo discrimination of vulnerable atherosclerotic plaques that disrupt: A serial MRI study. Atherosclerosis, 2016, 244, 101-107.	0.8	13
24	Identification of High-Risk Plaques by MRI and Fluorescence Imaging in a Rabbit Model of Atherothrombosis. PLoS ONE, 2015, 10, e0139833.	2.5	19
25	Aspirinâ€induced histone acetylation in endothelial cells enhances synthesis of the secreted isoform of netrinâ€1 thus inhibiting monocyte vascular infiltration. British Journal of Pharmacology, 2015, 172, 3548-3564.	5.4	39
26	Abnormal Myocardial Perfusion in Kawasaki Disease Convalescence. JACC: Cardiovascular Imaging, 2015, 8, 106-108.	5.3	18
27	PET Performance Evaluation of a Pre-Clinical SiPM-Based MR-Compatible PET Scanner. IEEE Transactions on Nuclear Science, 2015, 62, 784-790.	2.0	30
28	Monitoring Vascular Permeability and Remodeling After Endothelial Injury in a Murine Model Using a Magnetic Resonance Albumin-Binding Contrast Agent. Circulation: Cardiovascular Imaging, 2015, 8, .	2.6	13
29	Vascular Remodeling and Plaque Vulnerability in a Rabbit Model of Atherosclerosis: Comparison of Delayed-Enhancement MR Imaging with an Elastin-specific Contrast Agent and Unenhanced Black-Blood MR Imaging. Radiology, 2014, 271, 390-399.	7.3	29
30	Spatio-temporal texture (SpTeT) for distinguishing vulnerable from stable atherosclerotic plaque on dynamic contrast enhancement (DCE) MRI in a rabbit model. Medical Physics, 2014, 41, 042303.	3.0	14
31	Assessment of inflammation with a very small ironâ€oxide particle in a murine model of reperfused myocardial infarction. Journal of Magnetic Resonance Imaging, 2014, 39, 598-608.	3.4	16
32	Role of miR-195 in Aortic Aneurysmal Disease. Circulation Research, 2014, 115, 857-866.	4.5	93
33	Rats Fed Diets with Different Energy Contribution from Fat Do Not Differ in Adiposity. Obesity Facts, 2014, 7, 302-310.	3.4	9
34	Molecular imaging of myocardial infarction. Basic Research in Cardiology, 2014, 109, 397.	5.9	26
35	Current Development of Molecular Coronary Plaque Imaging using Magnetic Resonance Imaging towards Clinical Application. Current Cardiovascular Imaging Reports, 2014, 7, 1.	0.6	1
36	Gd-containing conjugated polymer nanoparticles: bimodal nanoparticles for fluorescence and MRI imaging. Nanoscale, 2014, 6, 8376-8386.	5.6	48

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37	PET/CT and MR imaging biomarker of lipid-rich plaques using [64Cu]-labeled scavenger receptor (CD68-Fc). International Journal of Cardiology, 2014, 177, 287-291.	1.7	21
38	The influence of pericardial fat upon left ventricular function in obese females: evidence of a site-specific effect. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 37.	3.3	26
39	Fibrin-Targeted Magnetic Resonance Imaging Allows In Vivo Quantification of Thrombus Fibrin Content and Identifies Thrombi Amenable for Thrombolysis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1193-1198.	2.4	54
40	Abstract 18706: Multi-Sequence Non-Contrast MRI Characterisation of Experimental Venous Thrombi Predicts Susceptibility to Lysis and is Feasible in Man. Circulation, 2014, 130, .	1.6	0
41	Flowâ€independent 3D wholeâ€heart vessel wall imaging using an interleaved T2â€preparation acquisition. Magnetic Resonance in Medicine, 2013, 69, 150-157.	3.0	31
42	Protein kinase G oxidation is a major cause of injury during sepsis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9909-9913.	7.1	47
43	Hyperemic stress myocardial perfusion cardiovascular magnetic resonance in mice at 3 Tesla: initial experience and validation against microspheres. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 62.	3.3	13
44	Regions of Low Endothelial Shear Stress Colocalize With Positive Vascular Remodeling and Atherosclerotic Plaque Disruption. Circulation: Cardiovascular Imaging, 2013, 6, 302-310.	2.6	38
45	Bisphosphonate-Anchored PEGylation and Radiolabeling of Superparamagnetic Iron Oxide: Long-Circulating Nanoparticles for in Vivo Multimodal (T1 MRI-SPECT) Imaging. ACS Nano, 2013, 7, 500-512.	14.6	253
46	Magnetic Resonance T ₁ Relaxation Time of Venous Thrombus Is Determined by Iron Processing and Predicts Susceptibility to Lysis. Circulation, 2013, 128, 729-736.	1.6	74
47	Positron Emission Tomography/Computed Tomographic and Magnetic Resonance Imaging in a Murine Model of Progressive Atherosclerosis Using ⁶⁴ Cu-Labeled Glycoprotein VI-Fc. Circulation: Cardiovascular Imaging, 2013, 6, 957-964.	2.6	17
48	In Vivo Magnetization Transfer and Diffusion-Weighted Magnetic Resonance Imaging Detects Thrombus Composition in a Mouse Model of Deep Vein Thrombosis. Circulation: Cardiovascular Imaging, 2013, 6, 433-440.	2.6	44
49	Noninvasive MRI Monitoring of the Effect of Interventions on Endothelial Permeability in Murine Atherosclerosis Using an Albuminâ€Binding Contrast Agent. Journal of the American Heart Association, 2013, 2, e000402.	3.7	31
50	Molecular MRI of Atherosclerosis. Molecules, 2013, 18, 14042-14069.	3.8	26
51	Advances in molecular imaging of atherosclerosis and myocardial infarction: shedding new light on in vivo cardiovascular biology. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H1397-H1410.	3.2	12
52	Detection of thrombus size and protein content by ex vivo magnetization transfer and diffusion weighted MRI. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 49.	3.3	15
53	MRI of atherosclerosis: from mouse to man. Imaging in Medicine, 2012, 4, 41-58.	0.0	1
54	PET performance evaluation of a pre-clinical SiPM based MR-compatible PET scanner. , 2012, , .		1

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55	Noninvasive Magnetic Resonance Imaging Evaluation of Endothelial Permeability in Murine Atherosclerosis Using an Albumin-Binding Contrast Agent. Circulation, 2012, 126, 707-719.	1.6	112
56	Detection of Intracoronary Thrombus by Magnetic Resonance Imaging in Patients With Acute Myocardial Infarction. Circulation, 2011, 124, 416-424.	1.6	107
57	Porphyromonas gingivalis accelerates inflammatory atherosclerosis in the innominate artery of ApoE deficient mice. Atherosclerosis, 2011, 215, 52-59.	0.8	83
58	Stable and Vulnerable Atherosclerotic Plaques. , 2011, , 3-25.		0
59	Sandwich Immunoassay for Soluble Glycoprotein VI in Patients with Symptomatic Coronary Artery Disease. Clinical Chemistry, 2011, 57, 898-904.	3.2	26
60	Application of MRI to detect high-risk atherosclerotic plaque. Expert Review of Cardiovascular Therapy, 2011, 9, 545-550.	1.5	1
61	The Relationship of Ectopic Lipid Accumulation to Cardiac and Vascular Function in Obesity and Metabolic Syndrome. Obesity, 2010, 18, 1116-1121.	3.0	35
62	In vivo Detection of Vulnerable Atherosclerotic Plaque by MRI in a Rabbit Model. Circulation: Cardiovascular Imaging, 2010, 3, 323-332.	2.6	57
63	A robust rabbit model of human atherosclerosis and atherothrombosis. Journal of Lipid Research, 2009, 50, 787-797.	4.2	78
64	Identification of cholesteryl esters in human carotid atherosclerosis by ex vivo image-guided proton MRS. Journal of Lipid Research, 2006, 47, 310-317.	4.2	27