

Alkystis Phinikaridou

List of Publications by Year in descending order

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64
papers

1,859
citations

236925

25
h-index

265206

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64
all docs

64
docs citations

64
times ranked

3645
citing authors

#	ARTICLE	IF	CITATIONS
1	Bisphosphonate-Anchored PEGylation and Radiolabeling of Superparamagnetic Iron Oxide: Long-Circulating Nanoparticles for <i>in Vivo</i> Multimodal (T1 MRI-SPECT) Imaging. <i>ACS Nano</i> , 2013, 7, 500-512.	14.6	253
2	Noninvasive Magnetic Resonance Imaging Evaluation of Endothelial Permeability in Murine Atherosclerosis Using an Albumin-Binding Contrast Agent. <i>Circulation</i> , 2012, 126, 707-719.	1.6	112
3	Detection of Intracoronary Thrombus by Magnetic Resonance Imaging in Patients With Acute Myocardial Infarction. <i>Circulation</i> , 2011, 124, 416-424.	1.6	107
4	Role of miR-195 in Aortic Aneurysmal Disease. <i>Circulation Research</i> , 2014, 115, 857-866.	4.5	93
5	<i>Porphyromonas gingivalis</i> accelerates inflammatory atherosclerosis in the innominate artery of ApoE deficient mice. <i>Atherosclerosis</i> , 2011, 215, 52-59.	0.8	83
6	A robust rabbit model of human atherosclerosis and atherothrombosis. <i>Journal of Lipid Research</i> , 2009, 50, 787-797.	4.2	78
7	Magnetic Resonance T ₁ Relaxation Time of Venous Thrombus Is Determined by Iron Processing and Predicts Susceptibility to Lysis. <i>Circulation</i> , 2013, 128, 729-736.	1.6	74
8	In vivo Detection of Vulnerable Atherosclerotic Plaque by MRI in a Rabbit Model. <i>Circulation: Cardiovascular Imaging</i> , 2010, 3, 323-332.	2.6	57
9	Fibrin-Targeted Magnetic Resonance Imaging Allows In Vivo Quantification of Thrombus Fibrin Content and Identifies Thrombi Amenable for Thrombolysis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1193-1198.	2.4	54
10	Gd-containing conjugated polymer nanoparticles: bimodal nanoparticles for fluorescence and MRI imaging. <i>Nanoscale</i> , 2014, 6, 8376-8386.	5.6	48
11	Protein kinase C oxidation is a major cause of injury during sepsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9909-9913.	7.1	47
12	In Vivo Magnetization Transfer and Diffusion-Weighted Magnetic Resonance Imaging Detects Thrombus Composition in a Mouse Model of Deep Vein Thrombosis. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 433-440.	2.6	44
13	Aspirin-induced histone acetylation in endothelial cells enhances synthesis of the secreted isoform of netrin-1 thus inhibiting monocyte vascular infiltration. <i>British Journal of Pharmacology</i> , 2015, 172, 3548-3564.	5.4	39
14	Regions of Low Endothelial Shear Stress Colocalize With Positive Vascular Remodeling and Atherosclerotic Plaque Disruption. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 302-310.	2.6	38
15	The Relationship of Ectopic Lipid Accumulation to Cardiac and Vascular Function in Obesity and Metabolic Syndrome. <i>Obesity</i> , 2010, 18, 1116-1121.	3.0	35
16	Simultaneous bright and dark blood whole heart MRI for noncontrast enhanced coronary lumen and thrombus visualization. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1460-1472.	3.0	33
17	Flow-independent 3D whole heart vessel wall imaging using an interleaved T2 preparation acquisition. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 150-157.	3.0	31
18	Noninvasive MRI Monitoring of the Effect of Interventions on Endothelial Permeability in Murine Atherosclerosis Using an Albumin-Binding Contrast Agent. <i>Journal of the American Heart Association</i> , 2013, 2, e000402.	3.7	31

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19	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
20	Simultaneous Assessment of Cardiac Inflammation and Extracellular Matrix Remodeling After Myocardial Infarction. Circulation: Cardiovascular Imaging, 2018, 11, .	2.6	30
21	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
22	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
23	Sandwich Immunoassay for Soluble Glycoprotein VI in Patients with Symptomatic Coronary Artery Disease. Clinical Chemistry, 2011, 57, 898-904.	3.2	26
24	Molecular MRI of Atherosclerosis. Molecules, 2013, 18, 14042-14069.	3.8	26
25	Molecular imaging of myocardial infarction. Basic Research in Cardiology, 2014, 109, 397.	5.9	26
26	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
27	Tropoelastin. Circulation: Cardiovascular Imaging, 2018, 11, .	2.6	25
28	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
29	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
30	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
31	Targeted Molecular Iron Oxide Contrast Agents for Imaging Atherosclerotic Plaque. Nanotheranostics, 2020, 4, 184-194.	5.2	20
32	Identification of High-Risk Plaques by MRI and Fluorescence Imaging in a Rabbit Model of Atherothrombosis. PLoS ONE, 2015, 10, e0139833.	2.5	19
33	Abnormal Myocardial Perfusion in Kawasaki Disease Convalescence. JACC: Cardiovascular Imaging, 2015, 8, 106-108.	5.3	18
34	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
35	Assessment of inflammation with a very small iron oxide particle in a murine model of reperfused myocardial infarction. Journal of Magnetic Resonance Imaging, 2014, 39, 598-608.	3.4	16
36	Use of Computed Tomography and Magnetic Resonance Imaging in Central Venous Disease. Methodist DeBakey Cardiovascular Journal, 2021, 14, 188.	1.0	16

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37	Detection of thrombus size and protein content by ex vivo magnetization transfer and diffusion weighted MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, 49.	3.3	15
38	MRI with gadofosveset: A potential marker for permeability in myocardial infarction. <i>Atherosclerosis</i> , 2018, 275, 400-408.	0.8	15
39	Spatio-temporal texture (SpTeT) for distinguishing vulnerable from stable atherosclerotic plaque on dynamic contrast enhancement (DCE) MRI in a rabbit model. <i>Medical Physics</i> , 2014, 41, 042303.	3.0	14
40	Hyperemic stress myocardial perfusion cardiovascular magnetic resonance in mice at 3 Tesla: initial experience and validation against microspheres. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 62.	3.3	13
41	Monitoring Vascular Permeability and Remodeling After Endothelial Injury in a Murine Model Using a Magnetic Resonance Albumin-Binding Contrast Agent. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, .	2.6	13
42	Early in vivo discrimination of vulnerable atherosclerotic plaques that disrupt: A serial MRI study. <i>Atherosclerosis</i> , 2016, 244, 101-107.	0.8	13
43	Sustained Focal Vascular Inflammation Accelerates Atherosclerosis in Remote Arteries. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2159-2170.	2.4	13
44	Advances in molecular imaging of atherosclerosis and myocardial infarction: shedding new light on in vivo cardiovascular biology. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 303, H1397-H1410.	3.2	12
45	Contrast-enhanced magnetic resonance imaging for the detection of ruptured coronary plaques in patients with acute myocardial infarction. <i>PLoS ONE</i> , 2017, 12, e0188292.	2.5	12
46	Gadolinium and Platinum in Tandem: Real-time Multi-Modal Monitoring of Drug Delivery by MRI and Fluorescence Imaging. <i>Nanotheranostics</i> , 2017, 1, 186-195.	5.2	11
47	⁶⁸ Ga-Sienna+ for PET-MRI Guided Sentinel Lymph Node Biopsy: Synthesis and Preclinical Evaluation in a Metastatic Breast Cancer Model. <i>Nanotheranostics</i> , 2019, 3, 255-265.	5.2	11
48	Tropoelastin: an in vivo imaging marker of dysfunctional matrix turnover during abdominal aortic dilation. <i>Cardiovascular Research</i> , 2020, 116, 995-1005.	3.8	10
49	Rats Fed Diets with Different Energy Contribution from Fat Do Not Differ in Adiposity. <i>Obesity Facts</i> , 2014, 7, 302-310.	3.4	9
50	Imaging the Extracellular Matrix in Prevalent Cardiovascular Diseases. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4001.	2.5	4
51	Contrast-free high-resolution 3D magnetization transfer imaging for simultaneous myocardial scar and cardiac vein visualization. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020, 33, 627-640.	2.0	4
52	Assessment of hepatic fatty acids during non-alcoholic steatohepatitis progression using magnetic resonance spectroscopy. <i>Annals of Hepatology</i> , 2021, 25, 100358.	1.5	3
53	Atherosclerotic Plaque Imaging. , 2018, , 261-300.		2
54	Molecular Imaging in Ischemic Heart Disease. <i>Current Cardiovascular Imaging Reports</i> , 2019, 12, 31.	0.6	2

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55	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
56	Quantitative MRI of Endothelial Permeability and (Dys)function in Atherosclerosis. Journal of Visualized Experiments, 2021, , .	0.3	2
57	Application of MRI to detect high-risk atherosclerotic plaque. Expert Review of Cardiovascular Therapy, 2011, 9, 545-550.	1.5	1
58	MRI of atherosclerosis: from mouse to man. Imaging in Medicine, 2012, 4, 41-58.	0.0	1
59	PET performance evaluation of a pre-clinical SiPM based MR-compatible PET scanner. , 2012, , .		1
60	Current Development of Molecular Coronary Plaque Imaging using Magnetic Resonance Imaging towards Clinical Application. Current Cardiovascular Imaging Reports, 2014, 7, 1.	0.6	1
61	Stable and Vulnerable Atherosclerotic Plaques. , 2011, , 3-25.		0
62	Atherosclerotic Plaque Imaging. Contemporary Cardiology, 2019, , 229-248.	0.1	0
63	Thrombosis and Embolism. , 2021, , 1225-1244.		0
64	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