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List of Publications by Year in descending order

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38
papers

857
citations

567281

15
h-index

526287

27
g-index

38
all docs

38
docs citations

38
times ranked

1192
citing authors

#	ARTICLE	IF	CITATIONS
1	Acute exposure to e-cigarettes causes inflammation and pulmonary endothelial oxidative stress in nonsmoking, healthy young subjects. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 317, L155-L166.	2.9	85
2	Acute Effects of Electronic Cigarette Aerosol Inhalation on Vascular Function Detected at Quantitative MRI. <i>Radiology</i> , 2019, 293, 97-106.	7.3	76
3	Retrospective correction for induced magnetic field inhomogeneity in measurements of large vessel hemoglobin oxygen saturation by MR susceptometry. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 626-633.	3.0	58
4	Pulse sequence programming in a dynamic visual environment: SequenceTree. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 257-265.	3.0	50
5	Accuracy and precision of MR blood oximetry based on the long paramagnetic cylinder approximation of large vessels. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 333-340.	3.0	47
6	Multiparametric Assessment of Vascular Function in Peripheral Artery Disease. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, .	2.6	41
7	Susceptibility-based time-resolved whole organ and regional tissue oximetry. <i>NMR in Biomedicine</i> , 2017, 30, e3495.	2.8	41
8	Evaluation of Cuff-Induced Ischemia in the Lower Extremity by Magnetic Resonance Oximetry. <i>Journal of the American College of Cardiology</i> , 2010, 55, 598-606.	2.8	40
9	Assessing intracranial vascular compliance using dynamic arterial spin labeling. <i>NeuroImage</i> , 2016, 124, 433-441.	4.2	35
10	Comparison of MRI methods for measuring whole brain venous oxygen saturation. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 2122-2128.	3.0	26
11	Time-Resolved MRI Oximetry for Quantifying CMRO2 and Vascular Reactivity. <i>Academic Radiology</i> , 2014, 21, 207-214.	2.5	24
12	Nontriggered MRI quantification of aortic pulse wave velocity. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 750-755.	3.0	23
13	Effects of age and smoking on endothelial function assessed by quantitative cardiovascular magnetic resonance in the peripheral and central vasculature. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 19.	3.3	22
14	Rapid T2- and susceptometry-based CMRO2 quantification with interleaved TRUST (iTRUST). <i>NeuroImage</i> , 2015, 106, 441-450.	4.2	21
15	Simultaneous mapping of temporally-resolved blood flow velocity and oxygenation in femoral artery and vein during reactive hyperemia. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011, 13, 66.	3.3	20
16	Acute e-cig inhalation impacts vascular health: a study in smoking naïve subjects. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H144-H158.	3.2	18
17	Simultaneous measurement of macro and microvascular blood flow and oxygen saturation for quantification of muscle oxygen consumption. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 846-855.	3.0	17
18	MRI evaluation of cerebrovascular reactivity in obstructive sleep apnea. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1328-1337.	4.3	17

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19	Quantitative CMR markers of impaired vascular reactivity associated with age and peripheral artery disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 17.	3.3	16
20	MRI quantification of human fetal O ₂ delivery rate in the second and third trimesters of pregnancy. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1148-1157.	3.0	16
21	Multimodality assessment of heart failure with preserved ejection fraction skeletal muscle reveals differences in the machinery of energy fuel metabolism. <i>ESC Heart Failure</i> , 2021, 8, 2698-2712.	3.1	16
22	Method for Rapid MRI Quantification of Global Cerebral Metabolic Rate of Oxygen. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1616-1622.	4.3	15
23	Quantitative and Dynamic MRI Measures of Peripheral Vascular Function. <i>Frontiers in Physiology</i> , 2020, 11, 120.	2.8	15
24	Measurement of skeletal muscle perfusion dynamics with pseudo-continuous arterial spin labeling (pCASL): Assessment of relative labeling efficiency at rest and during hyperemia, and comparison to pulsed arterial spin labeling (PASL). <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 929-939.	3.4	14
25	Time-resolved absolute velocity quantification with projections. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1599-1606.	3.0	12
26	T ₂ -prepared balanced steady-state free precession (bSSFP) for quantifying whole-blood oxygen saturation at 1.5T. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1893-1900.	3.0	12
27	Cerebral metabolic rate of oxygen during transition from wakefulness to sleep measured with high temporal resolution OxFlow MRI with concurrent EEG. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 780-792.	4.3	12
28	Non-triggered quantification of central and peripheral pulse-wave velocity. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011, 13, 81.	3.3	11
29	Rapid High-resolution, Self-registered, Dual Lumen-contrast MRI Method for Vessel-wall Assessment in Peripheral Artery Disease. <i>Academic Radiology</i> , 2016, 23, 457-467.	2.5	11
30	Multiplexed MRI methods for rapid estimation of global cerebral metabolic rate of oxygen consumption. <i>NeuroImage</i> , 2017, 149, 393-403.	4.2	10
31	High-speed whole-brain oximetry by golden-angle radial MRI. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 217-223.	3.0	10
32	A Noninvasive Method for Quantifying Cerebral Metabolic Rate of Oxygen by Hybrid PET/MRI: Validation in a Porcine Model. <i>Journal of Nuclear Medicine</i> , 2021, 62, 1789-1796.	5.0	8
33	New Insights From MRI and Cell Biology Into the Acute Vascular-Metabolic Implications of Electronic Cigarette Vaping. <i>Frontiers in Physiology</i> , 2020, 11, 492.	2.8	4
34	MRI evaluation of cerebral metabolic rate of oxygen (CMRO ₂) in obstructive sleep apnea. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, , 0271678X2110710.	4.3	4
35	In vivo whole-blood T ₂ versus HbO ₂ calibration by modulating blood oxygenation level in the femoral vein through intermittent cuff occlusion. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2290-2296.	3.0	3
36	Impact of supervised exercise on skeletal muscle blood flow and vascular function measured with MRI in patients with peripheral artery disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 0, , .	3.2	3

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37	Evaluation of Vascular Reactivity of Maternal Vascular Adaptations of Pregnancy With Quantitative MRI : Pilot Study. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 447-455.	3.4	2
38	Exercise Training Increases Resting Calf Muscle Oxygen Metabolism in Patients with Peripheral Artery Disease. <i>Metabolites</i> , 2021, 11, 814.	2.9	2