

# Erin K Englund

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

602  
citations

623574

14  
h-index

642610

23  
g-index

35  
all docs

35  
docs citations

35  
times ranked

866  
citing authors

#	ARTICLE	IF	CITATIONS
1	High Temporal Resolution MRI Quantification of Global Cerebral Metabolic Rate of Oxygen Consumption in Response to Apneic Challenge. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1514-1522.	2.4	54
2	Combined measurement of perfusion, venous oxygen saturation, and skeletal muscle T2* during reactive hyperemia in the leg. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 70.	1.6	51
3	Effects of exercise training on calf muscle oxygen extraction and blood flow in patients with peripheral artery disease. <i>Journal of Applied Physiology</i> , 2017, 123, 1599-1609.	1.2	51
4	Combined diffusion and strain tensor MRI reveals a heterogeneous, planar pattern of strain development during isometric muscle contraction. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R1079-R1090.	0.9	49
5	Multiparametric Assessment of Vascular Function in Peripheral Artery Disease. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, .	1.3	41
6	Susceptibility-based time-resolved whole-organ and regional tissue oximetry. <i>NMR in Biomedicine</i> , 2017, 30, e3495.	1.6	41
7	The effect of high-intensity resistance exercise on lumbar musculature in patients with low back pain: a preliminary study. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 290.	0.8	27
8	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.	1.6	22
9	Rapid T2- and susceptometry-based CMRO2 quantification with interleaved TRUST (iTRUST). <i>NeuroImage</i> , 2015, 106, 441-450.	2.1	21
10	Interleaved quantitative BOLD: Combining extravascular R2* <sup>1</sup> - and intravascular R2-measurements for estimation of deoxygenated blood volume and hemoglobin oxygen saturation. <i>NeuroImage</i> , 2018, 174, 420-431.	2.1	19
11	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.	1.9	17
12	MRI evaluation of cerebrovascular reactivity in obstructive sleep apnea. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1328-1337.	2.4	17
13	Quantitative CMR markers of impaired vascular reactivity associated with age and peripheral artery disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 17.	1.6	16
14	MRI quantification of human fetal O <sub>2</sub> delivery rate in the second and third trimesters of pregnancy. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1148-1157.	1.9	16
15	Quantitative and Dynamic MRI Measures of Peripheral Vascular Function. <i>Frontiers in Physiology</i> , 2020, 11, 120.	1.3	15
16	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.	1.9	14
17	Intravoxel Incoherent Motion Magnetic Resonance Imaging in Skeletal Muscle: Review and Future Directions. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 988-1012.	1.9	14
18	Calibrated bold fMRI with an optimized ASL-BOLD dual-acquisition sequence. <i>NeuroImage</i> , 2016, 142, 474-482.	2.1	12

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19	Perfusion has no effect on the <i>in vivo</i> CEST effect from Cr (CrCEST) in skeletal muscle. NMR in Biomedicine, 2017, 30, e3673.	1.6	12
20	Segmentation of the Aorta and Pulmonary Arteries Based on 4D Flow MRI in the Pediatric Setting Using Fully Automated Multi-Site, Multi-Vendor, and Multi-Label Dense U-Net. Journal of Magnetic Resonance Imaging, 2022, 55, 1666-1680.	1.9	12
21	Rapid High-resolution, Self-registered, Dual Lumen-contrast MRI Method for Vessel-wall Assessment in Peripheral Artery Disease. Academic Radiology, 2016, 23, 457-467.	1.3	11
22	High-speed whole-brain oximetry by golden-angle radial MRI. Magnetic Resonance in Medicine, 2018, 79, 217-223.	1.9	10
23	Vessel-wall imaging and quantification of flow-mediated dilation using water-selective 3D SSFP-echo. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 100.	1.6	9
24	Varying diffusion time to discriminate between simulated skeletal muscle injury models using stimulated echo diffusion tensor imaging. Magnetic Resonance in Medicine, 2021, 85, 2524-2536.	1.9	9
25	Medical imaging of tissue engineering and regenerative medicine constructs. Biomaterials Science, 2021, 9, 301-314.	2.6	9
26	Calibrated fMRI for dynamic mapping of CMRO <sub>2</sub> responses using MR-based measurements of whole-brain venous oxygen saturation. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 1501-1516.	2.4	8
27	The influence of 3D curve severity on paraspinal muscle fatty infiltration in patients with adolescent idiopathic scoliosis. Spine Deformity, 2021, 9, 987-995.	0.7	8
28	Free-breathing magnetic resonance imaging with radial k-space sampling for neonates and infants to reduce anesthesia. Pediatric Radiology, 2022, 52, 1326-1337.	1.1	5
29	MRI evaluation of cerebral metabolic rate of oxygen (CMRO <sub>2</sub> ) in obstructive sleep apnea. Journal of Cerebral Blood Flow and Metabolism, 2022, , 0271678X2110710.	2.4	4
30	Impact of supervised exercise on skeletal muscle blood flow and vascular function measured with MRI in patients with peripheral artery disease. American Journal of Physiology - Heart and Circulatory Physiology, 0, , .	1.5	3
31	Intravoxel incoherent motion imaging predicts exercise-based rehabilitation response in individuals with low back pain. NMR in Biomedicine, 2021, 34, e4595.	1.6	2
32	Exercise Training Increases Resting Calf Muscle Oxygen Metabolism in Patients with Peripheral Artery Disease. Metabolites, 2021, 11, 814.	1.3	2
33	IVIM Imaging of Paraspinal Muscles Following Moderate and High-Intensity Exercise in Healthy Individuals. Frontiers in Rehabilitation Sciences, 2022, 3, .	0.5	1
34	Optical monitoring of calf muscle blood flow and oxygen extraction in patients with peripheral artery disease. , 2017, , .		0
35	Effects of Exercise Training on Resting Calf Muscle Oxygen Metabolism in Patients with Peripheral Artery Disease. , 2022, , .		0