

Kelly M Gillen

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,277
citations

759055

12
h-index

713332

21
g-index

21
all docs

21
docs citations

21
times ranked

2235
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering adipose-like tissue in vitro and in vivo utilizing human bone marrow and adipose-derived mesenchymal stem cells with silk fibroin 3D scaffolds. <i>Biomaterials</i> , 2007, 28, 5280-5290.	5.7	340
2	Ras- and PI3K-dependent breast tumorigenesis in mice and humans requires focal adhesion kinase signaling. <i>Journal of Clinical Investigation</i> , 2009, 119, 252-66.	3.9	216
3	Clinical quantitative susceptibility mapping (QSM): Biometal imaging and its emerging roles in patient care. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 951-971.	1.9	199
4	Quantitative susceptibility mapping identifies inflammation in a subset of chronic multiple sclerosis lesions. <i>Brain</i> , 2019, 142, 133-145.	3.7	136
5	3D texture analyses within the substantia nigra of Parkinson's disease patients on quantitative susceptibility maps and $R2^*$ maps. <i>NeuroImage</i> , 2019, 188, 465-472.	2.1	60
6	Significance and In Vivo Detection of Iron-Laden Microglia in White Matter Multiple Sclerosis Lesions. <i>Frontiers in Immunology</i> , 2018, 9, 255.	2.2	54
7	Quantitative susceptibility mapping (QSM) minimizes interference from cellular pathology in $R2^*$ estimation of liver iron concentration. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 1069-1079.	1.9	50
8	Angiomodulin Is a Specific Marker of Vasculature and Regulates Vascular Endothelial Growth Factor- α -Dependent Neoangiogenesis. <i>Circulation Research</i> , 2009, 105, 201-208.	2.0	47
9	QSM is an imaging biomarker for chronic glial activation in multiple sclerosis lesions. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 877-886.	1.7	37
10	Magnetic susceptibility increases as diamagnetic molecules breakdown: Myelin digestion during multiple sclerosis lesion formation contributes to increase on QSM. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 1281-1287.	1.9	34
11	Quantitative evaluation of brain iron accumulation in different stages of Parkinson's disease. <i>Journal of Neuroimaging</i> , 2022, 32, 363-371.	1.0	16
12	Quantitative Measurement of Metal Accumulation in Brain of Patients With Wilson's Disease. <i>Movement Disorders</i> , 2020, 35, 1787-1795.	2.2	15
13	Brain oxygen extraction fraction mapping in patients with multiple sclerosis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 338-348.	2.4	13
14	Quantitative susceptibility mapping of carotid plaques using nonlinear total field inversion: Initial experience in patients with significant carotid stenosis. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1501-1509.	1.9	12
15	Quantitative susceptibility mapping of the spine using in-phase echoes to initialize inhomogeneous field and $R2^*$ for the nonconvex optimization problem of fat-water separation. <i>NMR in Biomedicine</i> , 2019, 32, e4156.	1.6	10
16	Clinical feasibility of brain quantitative susceptibility mapping. <i>Magnetic Resonance Imaging</i> , 2019, 60, 44-51.	1.0	9
17	Susceptibility source separation from gradient echo data using magnitude decay modeling. <i>Journal of Neuroimaging</i> , 2022, 32, 852-859.	1.0	9
18	Magnetic Susceptibility Source Separation Solely from Gradient Echo Data: Histological Validation. <i>Tomography</i> , 2022, 8, 1544-1551.	0.8	7

#	ARTICLE	IF	CITATIONS
19	Magnetic resonance quantitative susceptibility mapping in the evaluation of hepatic fibrosis in chronic liver disease: a feasibility study. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 1170-1183.	1.1	6
20	Oxygen extraction fraction (OEF) assesses cerebral oxygen metabolism of deep gray matter in patients with pre-eclampsia. <i>European Radiology</i> , 2022, 32, 6058-6069.	2.3	4
21	Automated Segmentation of Midbrain Structures in High-Resolution Susceptibility Maps Based on Convolutional Neural Network and Transfer Learning. <i>Frontiers in Neuroscience</i> , 2022, 16, 801618.	1.4	3