

# Sagar Buch

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2147146/publications.pdf>

Version: 2024-02-01

28  
papers

1,166  
citations

687363

13  
h-index

580821

25  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1570  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vascular mapping of the human hippocampus using Ferumoxytol-enhanced MRI. <i>NeuroImage</i> , 2022, 250, 118957.	4.2	6
2	Imaging patients pre and post deep brain stimulation: Localization of the electrodes and their targets. <i>Magnetic Resonance Imaging</i> , 2021, 75, 34-44.	1.8	7
3	VC-Net: Deep Volume-Composition Networks for Segmentation and Visualization of Highly Sparse and Noisy Image Data. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2021, 27, 1301-1311.	4.4	21
4	An Overview of Venous Abnormalities Related to the Development of Lesions in Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2021, 12, 561458.	2.4	13
5	Revealing vascular abnormalities and measuring small vessel density in multiple sclerosis lesions using USPIO. <i>NeuroImage: Clinical</i> , 2021, 29, 102525.	2.7	13
6	Principles of susceptibility-weighted MRI. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2021, 4, 341-357.	0.1	0
7	Dual-Imaging Modality Approach to Evaluate Cerebral Hemodynamics in Growth-Restricted Fetuses: Oxygenation and Perfusion. <i>Fetal Diagnosis and Therapy</i> , 2020, 47, 145-155.	1.4	3
8	Using variable-rate selective excitation (VERSE) radiofrequency pulses to reduce power deposition in pulsed arterial spin labeling sequence at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 645-652.	3.0	5
9	Detecting sub-voxel microvasculature with USPIO-enhanced susceptibility-weighted MRI at 7T. <i>Magnetic Resonance Imaging</i> , 2020, 67, 90-100.	1.8	13
10	Multi-Echo Quantitative Susceptibility Mapping for Strategically Acquired Gradient Echo (STAGE) Imaging. <i>Frontiers in Neuroscience</i> , 2020, 14, 581474.	2.8	13
11	Subvoxel vascular imaging of the midbrain using USPIO-Enhanced MRI. <i>NeuroImage</i> , 2020, 220, 117106.	4.2	17
12	Quantitative Susceptibility Mapping for Characterization of Intraplaque Hemorrhage and Calcification in Carotid Atherosclerotic Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 534-541.	3.4	15
13	JointVesselNet: Joint Volume-Projection Convolutional Embedding Networks for 3D Cerebrovascular Segmentation. <i>Lecture Notes in Computer Science</i> , 2020, , 106-116.	1.3	8
14	Perfusion and Susceptibility Weighted Imaging in Traumatic Brain Injury. , 2019, , 303-319.		0
15	Susceptibility mapping of the dural sinuses and other superficial veins in the brain. <i>Magnetic Resonance Imaging</i> , 2019, 57, 19-27.	1.8	5
16	Quantitative susceptibility mapping in the human fetus to measure blood oxygenation in the superior sagittal sinus. <i>European Radiology</i> , 2019, 29, 2017-2026.	4.5	13
17	Imaging putative foetal cerebral blood oxygenation using susceptibility weighted imaging (SWI). <i>European Radiology</i> , 2018, 28, 1884-1890.	4.5	12
18	An interleaved sequence for simultaneous magnetic resonance angiography (MRA), susceptibility weighted imaging (SWI) and quantitative susceptibility mapping (QSM). <i>Magnetic Resonance Imaging</i> , 2018, 47, 1-6.	1.8	23

#	ARTICLE	IF	CITATIONS
19	Quantitative susceptibility mapping: Report from the 2016 reconstruction challenge. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1661-1673.	3.0	151
20	MR imaging of intracranial and extracranial veins. <i>Italian Journal of Vascular and Endovascular Surgery</i> , 2018, 25, .	1.0	0
21	Susceptibility-weighted imaging: current status and future directions. <i>NMR in Biomedicine</i> , 2017, 30, e3552.	2.8	121
22	Quantifying the changes in oxygen extraction fraction and cerebral activity caused by caffeine and acetazolamide. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 825-836.	4.3	33
23	Determination of detection sensitivity for cerebral microbleeds using susceptibility-weighted imaging. <i>NMR in Biomedicine</i> , 2017, 30, e3551.	2.8	25
24	A fully flow-compensated multiecho susceptibility-weighted imaging sequence: The effects of acceleration and background field on flow compensation. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 478-489.	3.0	26
25	Susceptibility mapping of air, bone, and calcium in the head. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 2185-2194.	3.0	48
26	Quantitative susceptibility mapping: current status and future directions. <i>Magnetic Resonance Imaging</i> , 2015, 33, 1-25.	1.8	426
27	Measuring venous blood oxygenation in fetal brain using susceptibility-weighted imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 998-1006.	3.4	31
28	Improving susceptibility mapping using a threshold-based $K^{\text{space}}$ /image domain iterative reconstruction approach. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1396-1407.	3.0	118