

# Avery JI Berman

## List of Publications by Year in descending order

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13  
papers

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citations

1162889

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1199470

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docs citations

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times ranked

263  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling hyperoxia-induced BOLD signal dynamics to estimate cerebral blood flow, volume and mean transit time. <i>NeuroImage</i> , 2018, 178, 461-474.	2.1	25
2	The effect of dissolved oxygen on the relaxation rates of blood plasma: Implications for hyperoxia calibrated BOLD. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1905-1911.	1.9	19
3	Gas-free calibrated fMRI with a correction for vessel-size sensitivity. <i>NeuroImage</i> , 2018, 169, 176-188.	2.1	16
4	Ultra-high spatial resolution BOLD fMRI in humans using combined segmented accelerated VFA-FLEET with a recursive RF pulse design. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 120-139.	1.9	15
5	Age-related differences in cerebral blood flow and cortical thickness with an application to age prediction. <i>Neurobiology of Aging</i> , 2020, 95, 131-142.	1.5	14
6	Radiation Exposure From CT Scanning in the Resuscitative Phase of Trauma Care: A Level One Trauma Centre Experience. <i>Canadian Journal of Emergency Medicine</i> , 2015, 17, 617-623.	0.5	12
7	Simulations of the effect of diffusion on asymmetric spin echo based quantitative BOLD: An investigation of the origin of deoxygenated blood volume overestimation. <i>NeuroImage</i> , 2019, 201, 116035.	2.1	12
8	Dependence of the MR signal on the magnetic susceptibility of blood studied with models based on real microvascular networks. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 3865-3874.	1.9	12
9	The effect of dissolved oxygen on the susceptibility of blood. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 363-371.	1.9	11
10	Transverse signal decay under the weak field approximation: Theory and validation. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 341-350.	1.9	10
11	Volume-of-interest cone-beam CT using a 2.35 MV beam generated with a carbon target. <i>Medical Physics</i> , 2012, 39, 4209-4218.	1.6	8
12	Specific mass shift measurements in rubidium by Doppler-free two-photon transitions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 215004.	0.6	5
13	Phase space modulation method for EPID-based Monte Carlo dosimetry of IMRT and RapidArc plans. <i>Journal of Physics: Conference Series</i> , 2010, 250, 012023.	0.3	0