Richard D Hoge

List of Publications by Year
in descending order

24 papers	1,697 citations	430874 18 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	2105 citing authors

#	Article	IF	Citations
1	Open science datasets from PREVENT-AD, a longitudinal cohort of pre-symptomatic Alzheimerâ€™s disease. NeuroImage: Clinical, 2021, 31, 102733.	2.7	42
2	Sex moderations in the relationship between aortic stiffness, cognition, and cerebrovascular reactivity in healthy older adults. PLoS ONE, 2021, 16, e0257815.	2.5	8
3	Higher cardiovascular fitness level is associated with lower cerebrovascular reactivity and perfusion in healthy older adults. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 1468-1481.	4.3	24
4	Age differences in brain signal variability are robust to multiple vascular controls. Scientific Reports, 2017, 7, 10149.	3.3	64
5	Application of calibrated fMRI in Alzheimer's disease. NeuroImage: Clinical, 2017, 15, 348-358.	2.7	48
6	The impact of inspired oxygen levels on calibrated fMRI measurements of M, OEF and resting CMRO2 using combined hypercapnia and hyperoxia. PLoS ONE, 2017, 12, e0174932.	2.5	4
7	Regional Reproducibility of BOLD Calibration Parameter M, OEF and Resting-State CMRO2 Measurements with QUO2 MRI. PLoS ONE, 2016, 11, e0163071.	2.5	24
8	Neuroimaging as a Research Tool in Human Essential Hypertension. , 2016, , 55-69.		0
9	Testâ€“retest reliability of cerebral blood flow and blood oxygenation levelâ€dependent responses to hypercapnia and hyperoxia using dualâ€echo pseudoâ€continuous arterial spin labeling and step changes in the fractional composition of inspired gases. Journal of Magnetic Resonance Imaging, 2015, 42, 1144-1157.	3.4	29
10	Hearts and minds: linking vascular rigidity and aerobic fitness with cognitive aging. Neurobiology of Aging, 2015, 36, 304-314.	3.1	75
11	Field Strength Dependence of Contrast and Noise in fMRI. Biological Magnetic Resonance, 2015, , 793-818.	0.4	3
12	Cerebrovascular perfusion among older adults is moderated by strength training and gender. Neuroscience Letters, 2014, 560, 26-30.	2.1	26
13	A simple breathing circuit allowing precise control of inspiratory gases for experimental respiratory manipulations. BMC Research Notes, 2014, 7, 235.	1.4	39
14	A generalized procedure for calibrated MRI incorporating hyperoxia and hypercapnia. Human Brain Mapping, 2013, 34, 1053-1069.	3.6	81
15	Age dependence of hemodynamic response characteristics in human functional magnetic resonance imaging. Neurobiology of Aging, 2013, 34, 1469-1485.	3.1	96
16	Comparison of Cerebral Vascular Reactivity Measures Obtained Using Breath-Holding and CO₂ Inhalation. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1066-1074.	4.3	120
17	Calibrated fMRI. NeuroImage, 2012, 62, 930-937.	4.2	92
18	Comparison of pulsed and pseudocontinuous arterial spinâ€labeling for measuring CO₂â€induced cerebrovascular reactivity. Journal of Magnetic Resonance Imaging, 2012, 36, 312-321.	3.4	30

#	Article	IF	Citations
19	Echo-Time and Field Strength Dependence of BOLD Reactivity in Veins and Parenchyma Using Flow-Normalized Hypercapnic Manipulation. PLoS ONE, 2011, 6, e24519.	2.5	19
20	Effect of spatial smoothing on physiological noise in high-resolution fMRI. NeuroImage, 2006, 32, 551-557.	4.2	125
21	Oxidative metabolism and the detection of neuronal activation via imaging. Journal of Chemical Neuroanatomy, 2001, 22, 43-52.	2.1	60
22	Perfusion-based functional magnetic resonance imaging with single-shot RARE and GRASE acquisitions. Magnetic Resonance in Medicine, 1999, 41, 132-136.	3.0	34
23	Investigation of BOLD signal dependence on cerebral blood flow and oxygen consumption: The deoxyhemoglobin dilution model. Magnetic Resonance in Medicine, 1999, 42, 849-863.	3.0	538
24	Stimulus-Dependent BOLD and Perfusion Dynamics in Human V1. NeuroImage, 1999, 9, 573-585.	4.2	115