

Julien Poublanc

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

866
citations

516215

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h-index

525886

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40
all docs

40
docs citations

40
times ranked

1008
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring Cerebrovascular Reactivity: The Dynamic Response to a Step Hypercapnic Stimulus. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1746-1756.	2.4	88
2	Development of White Matter Hyperintensity Is Preceded by Reduced Cerebrovascular Reactivity. <i>Annals of Neurology</i> , 2016, 80, 277-285.	2.8	87
3	Assessing Cerebrovascular Reactivity Abnormality by Comparison to a Reference Atlas. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 213-220.	2.4	79
4	The aging brain and cerebrovascular reactivity. <i>NeuroImage</i> , 2018, 181, 132-141.	2.1	53
5	Vascular Steal Explains Early Paradoxical Blood Oxygen Level-Dependent Cerebrovascular Response in Brain Regions with Delayed Arterial Transit Times. <i>Cerebrovascular Diseases Extra</i> , 2013, 3, 55-64.	0.5	45
6	Assessing the effect of unilateral cerebral revascularisation on the vascular reactivity of the non-intervened hemisphere: a retrospective observational study. <i>BMJ Open</i> , 2015, 5, e006014-e006014.	0.8	41
7	Impaired dynamic cerebrovascular response to hypercapnia predicts development of white matter hyperintensities. <i>NeuroImage: Clinical</i> , 2016, 11, 796-801.	1.4	41
8	Assessing cerebrovascular reactivity by the pattern of response to progressive hypercapnia. <i>Human Brain Mapping</i> , 2017, 38, 3415-3427.	1.9	41
9	Cerebrovascular reactivity and white matter integrity. <i>Neurology</i> , 2016, 87, 2333-2339.	1.5	39
10	Vascular Dysfunction in Leukoaraiosis. <i>American Journal of Neuroradiology</i> , 2016, 37, 2258-2264.	1.2	34
11	Cerebrovascular Resistance: The Basis of Cerebrovascular Reactivity. <i>Frontiers in Neuroscience</i> , 2018, 12, 409.	1.4	33
12	The role of vascular resistance in BOLD responses to progressive hypercapnia. <i>Human Brain Mapping</i> , 2017, 38, 5590-5602.	1.9	31
13	Impact of white matter hyperintensities on surrounding white matter tracts. <i>Neuroradiology</i> , 2018, 60, 933-944.	1.1	31
14	Cerebrovascular Resistance in Healthy Aging and Mild Cognitive Impairment. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 79.	1.7	23
15	Invalidation of fMRI experiments secondary to neurovascular uncoupling in patients with cerebrovascular disease. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 1448-1455.	1.9	21
16	Improved White Matter Cerebrovascular Reactivity after Revascularization in Patients with Steno-Occlusive Disease. <i>American Journal of Neuroradiology</i> , 2019, 40, 45-50.	1.2	21
17	Slowed Temporal and Parietal Cerebrovascular Response in Patients with Alzheimer's Disease. <i>Canadian Journal of Neurological Sciences</i> , 2020, 47, 366-373.	0.3	18
18	Perfusion MRI using endogenous deoxyhemoglobin as a contrast agent: Preliminary data. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 3012-3021.	1.9	17

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19	Measurement of Cerebrovascular Reactivity as Blood Oxygen Level-Dependent Magnetic Resonance Imaging Signal Response to a Hypercapnic Stimulus in Mechanically Ventilated Patients. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018, 27, 301-308.	0.7	16
20	L-arginine effects on cerebrovascular reactivity, perfusion and neurovascular coupling in MELAS (mitochondrial encephalomyopathy with lactic acidosis and stroke-like episodes) syndrome. <i>PLoS ONE</i> , 2020, 15, e0238224.	1.1	16
21	A Promising Subject-Level Classification Model for Acute Concussion Based on Cerebrovascular Reactivity Metrics. <i>Journal of Neurotrauma</i> , 2021, 38, 1036-1047.	1.7	12
22	The Reproducibility of Cerebrovascular Reactivity Across MRI Scanners. <i>Frontiers in Physiology</i> , 2021, 12, 668662.	1.3	11
23	Cerebrovascular Reactivity Assays Collateral Function in Carotid Stenosis. <i>Frontiers in Physiology</i> , 2020, 11, 1031.	1.3	10
24	Long-term changes in cerebrovascular reactivity following EC-IC bypass for intracranial steno-occlusive disease. <i>Journal of Clinical Neuroscience</i> , 2018, 54, 77-82.	0.8	9
25	Importance of Collateralization in Patients With Large Artery Intracranial Occlusive Disease: Long-Term Longitudinal Assessment of Cerebral Hemodynamic Function. <i>Frontiers in Neurology</i> , 2018, 9, 226.	1.1	8
26	The efficiency of the brain connectome is associated with cerebrovascular reactivity in persons with white matter hyperintensities. <i>Human Brain Mapping</i> , 2019, 40, 3647-3656.	1.9	8
27	Measuring Cerebrovascular Reactivity: Sixteen Avoidable Pitfalls. <i>Frontiers in Physiology</i> , 2021, 12, 665049.	1.3	8
28	Association of Iatrogenic Infarcts With Clinical and Cognitive Outcomes in the Evaluating Neuroprotection in Aneurysm Coiling Therapy Trial. <i>Neurology</i> , 2022, 98, e1446-e1458.	1.5	6
29	The value of a shorter-delay arterial spin labeling protocol for detecting cerebrovascular impairment. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 608-619.	1.1	5
30	Cerebrovascular reactivity changes in acute concussion: a controlled cohort study. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 4530-4542.	1.1	3
31	Assessing Cerebrovascular Resistance in Patients With Sickle Cell Disease. <i>Frontiers in Physiology</i> , 2022, 13, 847969.	1.3	3
32	Detecting Silent Acute Microinfarcts in Cerebral Small Vessel Disease Using Submillimeter Diffusion-Weighted Magnetic Resonance Imaging: Preliminary Results. <i>Stroke</i> , 2022, 53, .	1.0	3
33	The Effect of CO2 on Resting-State Functional Connectivity: Isocapnia vs. Poikilocapnia. <i>Frontiers in Physiology</i> , 2021, 12, 639782.	1.3	2
34	Sickle Cell Cerebrovascular Reactivity to a CO2 Stimulus Is Both Too Little and Too Slow. <i>Blood</i> , 2020, 136, 55-55.	0.6	1
35	Normal BOLD Response to a Step CO2 Stimulus After Correction for Partial Volume Averaging. <i>Frontiers in Physiology</i> , 2021, 12, 639360.	1.3	0
36	Cerebrovascular reactivity and implications for understanding the pathophysiology of multiple sclerosis. <i>FASEB Journal</i> , 2013, 27, 1121.3.	0.2	0

#	ARTICLE	IF	CITATIONS
37	Cerebrovascular Reactivity to Carbon Dioxide: A Theoretical Examination. FASEB Journal, 2013, 27, 1121.4.	0.2	0