Jorn Fierstra

List of Publications by Year in descending order

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		394421	361022
37	1,316	19	35
papers	citations	h-index	g-index

37	37	37	1371
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hemodynamic Imaging in Cerebral Diffuse Gliomaâ€"Part B: Molecular Correlates, Treatment Effect Monitoring, Prognosis, and Future Directions. Cancers, 2022, 14, 1342.	3.7	5
2	Hemodynamic Imaging in Cerebral Diffuse Gliomaâ€"Part A: Concept, Differential Diagnosis and Tumor Grading. Cancers, 2022, 14, 1432.	3.7	6
3	Crossed Cerebellar Diaschisis Indicates Hemodynamic Compromise in Ischemic Stroke Patients. Translational Stroke Research, 2021, 12, 39-48.	4.2	16
4	Hypermetabolism and impaired cerebrovascular reactivity beyond the standard MRI-identified tumor border indicate diffuse glioma extended tissue infiltration. Neuro-Oncology Advances, 2021, 3, vdab048.	0.7	6
5	Distinct Cerebrovascular Reactivity Patterns for Brain Radiation Necrosis. Cancers, 2021, 13, 1840.	3.7	3
6	Mapping Cerebrovascular Reactivity Impairment in Patients With Symptomatic Unilateral Carotid Artery Disease. Journal of the American Heart Association, 2021, 10, e020792.	3.7	9
7	Systematic review of brain arteriovenous malformation grading systems evaluating microsurgical treatment recommendation. Neurosurgical Review, 2021, 44, 2571-2582.	2.4	8
8	Amended Intraoperative Neuronavigation: Three-Dimensional Vascular Roadmapping with Selective Rotational Digital Subtraction Angiography. World Neurosurgery, 2020, 135, 183-187.	1.3	5
9	Outcome Comparison Between Surgically Treated Brain Arteriovenous Malformation Hemorrhage and Spontaneous Intracerebral Hemorrhage. World Neurosurgery, 2020, 139, e807-e811.	1.3	4
10	Crossed Cerebellar Diaschisis in Patients with Diffuse Glioma Is Associated with Impaired Supratentorial Cerebrovascular Reactivity and Worse Clinical Outcome. Cerebellum, 2020, 19, 824-832.	2.5	8
11	Anatomical features of primary brain tumors affect seizure risk and semiology. NeuroImage: Clinical, 2019, 22, 101688.	2.7	14
12	Impact of baseline CO 2 on Blood-Oxygenation-Level-Dependent MRI measurements of cerebrovascular reactivity and task-evoked signal activation. Magnetic Resonance Imaging, 2018, 49, 123-130.	1.8	23
13	Blood oxygenâ€level dependent functional assessment of cerebrovascular reactivity: Feasibility for intraoperative 3 Tesla MRI. Magnetic Resonance in Medicine, 2017, 77, 806-813.	3.0	10
14	Iterative analysis of cerebrovascular reactivity dynamic response by temporal decomposition. Brain and Behavior, 2017, 7, e00705.	2.2	39
15	Neuroimaging Assessment of Cerebrovascular Reactivity in Concussion: Current Concepts, Methodological Considerations, and Review of the Literature. Frontiers in Neurology, 2016, 7, 61.	2.4	76
16	Temporal Profile of Cerebrovascular Reactivity Impairment, Gray Matter Volumes, and Persistent Symptoms after Mild Traumatic Head Injury. Frontiers in Neurology, 2016, 7, 70.	2.4	34
17	Preoperative angiotensin converting enzyme inhibitor usage in patients with chronic subdural hematoma: Associations with initial presentation and clinical outcome. Journal of Clinical Neuroscience, 2016, 28, 82-86.	1.5	27
18	Fine tuning breathâ€holdâ€based cerebrovascular reactivity analysis models. Brain and Behavior, 2016, 6, e00426.	2.2	30

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19	Distal outflow occlusion with bypass revascularization: last resort measure in managing complex MCA and PICA aneurysms. Acta Neurochirurgica, 2016, 158, 1523-1531.	1.7	33
20	Altered intraoperative cerebrovascular reactivity in brain areas of high-grade glioma recurrence. Magnetic Resonance Imaging, 2016, 34, 803-808.	1.8	21
21	â€œSTA-MCA bypass with encephalo-duro-myo-synangiosis combined with bifrontal encephalo-duro-periosteal-synangiosisâ€•as a one-staged revascularization strategy for pediatric moyamoya vasculopathy. Child's Nervous System, 2015, 31, 765-772.	1.1	23
22	Assessing Cerebrovascular Reactivity Abnormality by Comparison to a Reference Atlas. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 213-220.	4.3	79
23	BOLD MRI and early impairment of cerebrovascular reserve after aneurysmal subarachnoid hemorrhage. Journal of Magnetic Resonance Imaging, 2014, 40, 972-979.	3.4	12
24	Intra-vascular blood velocity and volumetric flow rate calculated from dynamic 4D CT angiography using a time of flight technique. International Journal of Cardiovascular Imaging, 2014, 30, 1383-1392.	1.5	15
25	High-Frequency Intra-operative Ultrasound-Guided Surgery of Superficial Intra-cerebral Lesions via a Single-Burr-Hole Approach. Ultrasound in Medicine and Biology, 2014, 40, 1469-1475.	1.5	11
26	A conceptual model for CO2-induced redistribution of cerebral blood flow with experimental confirmation using BOLD MRI. NeuroImage, 2014, 92, 56-68.	4.2	126
27	Measuring cerebrovascular reactivity: what stimulus to use?. Journal of Physiology, 2013, 591, 5809-5821.	2.9	248
28	A comment on â€œContralateral cerebral hemodynamic changes after unilateral direct revascularization in patients with moyamoya diseaseâ€• Neurosurgical Review, 2012, 35, 141-143.	2.4	8
29	End-inspiratory rebreathing reduces the end-tidal to arterial PCO2 gradient in mechanically ventilated pigs. Intensive Care Medicine, 2011, 37, 1543-1550.	8.2	28
30	Severely impaired cerebrovascular reserve in patients with cerebral proliferative angiopathy. Journal of Neurosurgery: Pediatrics, 2011, 8, 310-315.	1.3	39
31	Quantitative Measurement of Cerebrovascular Reactivity by Blood Oxygen Level-Dependent MR Imaging in Patients with Intracranial Stenosis: Preoperative Cerebrovascular Reactivity Predicts the Effect of Extracranial-Intracranial Bypass Surgery. American Journal of Neuroradiology, 2011, 32, 721-727.	2.4	80
32	Surgical Revascularization Reverses Cerebral Cortical Thinning in Patients With Severe Cerebrovascular Steno-Occlusive Disease. Stroke, 2011, 42, 1631-1637.	2.0	64
33	Impaired peri-nidal cerebrovascular reserve in seizure patients with brain arteriovenous malformations. Brain, 2011, 134, 100-109.	7.6	79
34	Blood Velocity Calculated From Volumetric Dynamic Computed Tomography Angiography. Investigative Radiology, 2010, 45, 778-781.	6.2	21
35	Feasibility and precision of cerebral blood flow and cerebrovascular reactivity MRI measurements using a computerâ€controlled gas delivery system in an anesthetised juvenile animal model. Journal of Magnetic Resonance Imaging, 2010, 32, 1068-1075.	3.4	8
36	Impaired Cerebrovascular Reactivity With Steal Phenomenon Is Associated With Increased Diffusion in White Matter of Patients With Moyamoya Disease. Stroke, 2010, 41, 1610-1616.	2.0	90

#	Article	IF	Citations
37	Intravascular Functional Maps of Common Neurovascular Lesions Derived From Volumetric 4D CT Data. Investigative Radiology, 2010, 45, 370-377.	6.2	8