

Raf Brouns

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

6,375
citations

87723

38
h-index

66788

78
g-index

97
all docs

97
docs citations

97
times ranked

8901
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Blood-Pressure Lowering in Patients with Acute Intracerebral Hemorrhage. <i>New England Journal of Medicine</i> , 2013, 368, 2355-2365.	13.9	1,269
2	Rivaroxaban for Stroke Prevention after Embolic Stroke of Undetermined Source. <i>New England Journal of Medicine</i> , 2018, 378, 2191-2201.	13.9	730
3	The complexity of neurobiological processes in acute ischemic stroke. <i>Clinical Neurology and Neurosurgery</i> , 2009, 111, 483-495.	0.6	447
4	Neurological complications in renal failure: a review. <i>Clinical Neurology and Neurosurgery</i> , 2004, 107, 1-16.	0.6	343
5	Consensus guidelines for lumbar puncture in patients with neurological diseases. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017, 8, 111-126.	1.2	197
6	Acute Cerebrovascular Disease in the Young. <i>Stroke</i> , 2013, 44, 340-349.	1.0	186
7	Lifestyle Risk Factors for Ischemic Stroke and Transient Ischemic Attack in Young Adults in the Stroke in Young Fabry Patients Study. <i>Stroke</i> , 2013, 44, 119-125.	1.0	142
8	Risk Factors for Poststroke Depression. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2014, 27, 147-158.	1.2	126
9	Embolic strokes of undetermined source: Prevalence and patient features in the ESUS Global Registry. <i>International Journal of Stroke</i> , 2016, 11, 526-533.	2.9	113
10	Cognitive, affective and behavioural disturbances following vascular thalamic lesions: A review. <i>Cortex</i> , 2011, 47, 273-319.	1.1	101
11	Optimal achieved blood pressure in acute intracerebral hemorrhage. <i>Neurology</i> , 2015, 84, 464-471.	1.5	101
12	Belgian Fabry Study. <i>Stroke</i> , 2010, 41, 863-868.	1.0	99
13	Neurobiochemical Markers of Brain Damage in Cerebrospinal Fluid of Acute Ischemic Stroke Patients. <i>Clinical Chemistry</i> , 2010, 56, 451-458.	1.5	93
14	Biochemical Markers for Blood-Brain Barrier Dysfunction in Acute Ischemic Stroke Correlate with Evolution and Outcome. <i>European Neurology</i> , 2011, 65, 23-31.	0.6	89
15	The Role of Tryptophan Catabolism along the Kynurenine Pathway in Acute Ischemic Stroke. <i>Neurochemical Research</i> , 2010, 35, 1315-1322.	1.6	85
16	Recanalization Therapies in Acute Ischemic Stroke Patients. <i>Circulation</i> , 2015, 132, 1261-1269.	1.6	85
17	Rivaroxaban for secondary stroke prevention in patients with embolic strokes of undetermined source: Design of the NAVIGATE ESUS randomized trial. <i>European Stroke Journal</i> , 2016, 1, 146-154.	2.7	83
18	Heart Rate Variability and Baroreceptor Sensitivity in Acute Stroke: A Systematic Review. <i>International Journal of Stroke</i> , 2015, 10, 796-800.	2.9	82

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19	A Prospective Study on the Prevalence and Risk Factors of Poststroke Depression. <i>Cerebrovascular Diseases Extra</i> , 2013, 3, 1-13.	0.5	73
20	Intravenous Thrombolysis with Recombinant Tissue Plasminogen Activator in a Stroke Patient Treated with Dabigatran. <i>Cerebrovascular Diseases</i> , 2010, 30, 533-534.	0.8	71
21	Neurogranin and tau in cerebrospinal fluid and plasma of patients with acute ischemic stroke. <i>BMC Neurology</i> , 2017, 17, 170.	0.8	70
22	Spinal cord stimulation modulates cerebral function: an fMRI study. <i>Neuroradiology</i> , 2012, 54, 1399-1407.	1.1	69
23	Insulin-Like Growth Factor I Serum Levels Influence Ischemic Stroke Outcome. <i>Stroke</i> , 2011, 42, 2180-2185.	1.0	67
24	Poststroke depression and its multifactorial nature: Results from a prospective longitudinal study. <i>Journal of the Neurological Sciences</i> , 2014, 347, 159-166.	0.3	67
25	Evaluation of lactate as a marker of metabolic stress and cause of secondary damage in acute ischemic stroke or TIA. <i>Clinica Chimica Acta</i> , 2008, 397, 27-31.	0.5	65
26	Intracranial artery dissection. <i>European Journal of Neurology</i> , 2014, 21, 820-826.	1.7	63
27	Global Survey of the Frequency of Atrial Fibrillation Associated Stroke. <i>Stroke</i> , 2016, 47, 2197-2202.	1.0	62
28	Middelheim Fabry Study (MiFaS): A retrospective Belgian study on the prevalence of Fabry disease in young patients with cryptogenic stroke. <i>Clinical Neurology and Neurosurgery</i> , 2007, 109, 479-484.	0.6	60
29	Prehospital Unassisted Assessment of Stroke Severity Using Telemedicine. <i>Stroke</i> , 2013, 44, 2907-2909.	1.0	60
30	Feasibility of Ambulance-Based Telemedicine (FACT) Study: Safety, Feasibility and Reliability of Third Generation In-Ambulance Telemedicine. <i>PLoS ONE</i> , 2014, 9, e110043.	1.1	58
31	Decrease in uric acid in acute ischemic stroke correlates with stroke severity, evolution and outcome. <i>Clinical Chemistry and Laboratory Medicine</i> , 2010, 48, 383-390.	1.4	57
32	Older age is a strong predictor for poor outcome in intracerebral haemorrhage: the INTERACT2 study. <i>Age and Ageing</i> , 2015, 44, 422-427.	0.7	55
33	Actigraphic Measurement of Motor Deficits in Acute Ischemic Stroke. <i>Cerebrovascular Diseases</i> , 2008, 26, 533-540.	0.8	53
34	Characterization of Patients with Embolic Strokes of Undetermined Source in the NAVIGATE ESUS Randomized Trial. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018, 27, 1673-1682.	0.7	46
35	APRAXIC AGRAPHIA FOLLOWING A RIGHT CEREBELLAR HEMORRHAGE. <i>Neurology</i> , 2007, 69, 926-929.	1.5	45
36	Fatal Venous Cerebral Air Embolism Secondary to a Disconnected Central Venous Catheter. <i>Cerebrovascular Diseases</i> , 2006, 21, 212-214.	0.8	44

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37	Magnitude of Blood Pressure Reduction and Clinical Outcomes in Acute Intracerebral Hemorrhage. Hypertension, 2015, 65, 1026-1032.	1.3	44
38	Prehospital Stroke Care: Limitations of Current Interventions and Focus on New Developments. Cerebrovascular Diseases, 2014, 38, 1-9.	0.8	42
39	Significance of Intraventricular Hemorrhage in Acute Intracerebral Hemorrhage. Stroke, 2015, 46, 653-658.	1.0	40
40	Cerebellar cognitive affective syndrome without global mental retardation in two relatives with Gillespie syndrome. Cortex, 2008, 44, 54-67.	1.1	37
41	Prevalence of stenoses and occlusions of brain-supplying arteries in young stroke patients. Neurology, 2013, 80, 1287-1294.	1.5	36
42	Dimethylarginine Levels in Cerebrospinal Fluid of Hyperacute Ischemic Stroke Patients are Associated with Stroke Severity. Neurochemical Research, 2009, 34, 1642-1649.	1.6	35
43	The decrease in procarboxypeptidase U (TAFI) concentration in acute ischemic stroke correlates with stroke severity, evolution and outcome. Journal of Thrombosis and Haemostasis, 2010, 8, 75-80.	1.9	33
44	Development and Pilot Testing of 24/7 In-Ambulance Telemedicine for Acute Stroke: Prehospital Stroke Study at the Universitair Ziekenhuis Brussel-Project. Cerebrovascular Diseases, 2016, 42, 15-22.	0.8	32
45	Phenotypical characterization of β -galactosidase A gene mutations identified in a large Fabry disease screening program in stroke in the young. Clinical Neurology and Neurosurgery, 2013, 115, 1088-1093.	0.6	31
46	Global Differences in Risk Factors, Etiology, and Outcome of Ischemic Stroke in Young Adults—A Worldwide Meta-analysis. Neurology, 2022, 98, .	1.5	28
47	Psychosocial problems associated with depression at 18 months poststroke. International Journal of Geriatric Psychiatry, 2014, 29, 144-152.	1.3	27
48	Carboxypeptidase U (TAFI) decreases the efficacy of thrombolytic therapy in ischemic stroke patients. Clinical Neurology and Neurosurgery, 2009, 111, 165-170.	0.6	26
49	Pre-stroke use of beta-blockers does not affect ischaemic stroke severity and outcome. European Journal of Neurology, 2012, 19, 234-240.	1.7	25
50	Unassisted Assessment of Stroke Severity Using Telemedicine. Stroke, 2013, 44, 1249-1255.	1.0	24
51	The Effect of Age and Sex on Clinical Outcome after Intravenous Recombinant Tissue Plasminogen Activator Treatment in Patients with Acute Ischemic Stroke. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 312-316.	0.7	24
52	Biochemical validation of a rat model for polycystic kidney disease: Comparison of guanidino compound profile with the human condition. Kidney International, 2006, 69, 2003-2012.	2.6	22
53	Excitatory amino acids and monoaminergic neurotransmitters in cerebrospinal fluid of acute ischemic stroke patients. Neurochemistry International, 2010, 56, 865-870.	1.9	21
54	Spinal cord stimulation modulates cerebral neurobiology: a proton magnetic resonance spectroscopy study. Neuroradiology, 2013, 55, 1039-1047.	1.1	21

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55	Subarachnoid Extension of Intracerebral Hemorrhage and 90-Day Outcomes in INTERACT2. <i>Stroke</i> , 2014, 45, 258-260.	1.0	21
56	Clinical and biochemical diagnosis of small-vessel disease in acute ischemic stroke. <i>Journal of the Neurological Sciences</i> , 2009, 285, 185-190.	0.3	18
57	Clinical, Biochemical and Neuroimaging Parameters after Thrombolytic Therapy Predict Long-Term Stroke Outcome. <i>European Neurology</i> , 2009, 62, 9-15.	0.6	17
58	Feasibility of cerebral magnetic resonance imaging in patients with externalised spinal cord stimulator. <i>Clinical Neurology and Neurosurgery</i> , 2012, 114, 135-141.	0.6	17
59	Cervical Artery Dissection in Young Adults in the Stroke in Young Fabry Patients (sifap1) Study. <i>Cerebrovascular Diseases</i> , 2015, 39, 110-121.	0.8	17
60	Changes in Activated Thrombin-Activatable Fibrinolysis Inhibitor Levels Following Thrombolytic Therapy in Ischemic Stroke Patients Correlate with Clinical Outcome. <i>Cerebrovascular Diseases</i> , 2016, 42, 404-414.	0.8	16
61	Acute Ischemic Stroke Severity, Progression, and Outcome Relate to Changes in Dipeptidyl Peptidase IV and Fibroblast Activation Protein Activity. <i>Translational Stroke Research</i> , 2017, 8, 157-164.	2.3	15
62	Interventions to promote work participation after ischaemic stroke: A systematic review. <i>Clinical Neurology and Neurosurgery</i> , 2019, 185, 105458.	0.6	15
63	Effects of spinal cord stimulation on heart rate variability in patients with Failed Back Surgery Syndrome. <i>PLoS ONE</i> , 2019, 14, e0219076.	1.1	15
64	Opinions and Beliefs About Telemedicine for Emergency Treatment During Ambulance Transportation and for Chronic Care at Home. <i>Interactive Journal of Medical Research</i> , 2016, 5, e9.	0.6	15
65	Validation assessment of risk tools to predict outcome after thrombolytic therapy for acute ischemic stroke. <i>Clinical Neurology and Neurosurgery</i> , 2014, 125, 189-193.	0.6	14
66	Admission hyperglycemia and outcome after intravenous thrombolysis: is there a difference among the stroke-subtypes?. <i>BMC Neurology</i> , 2016, 16, 104.	0.8	14
67	Time Gain Needed for In-Ambulance Telemedicine: Cost-Utility Model. <i>JMIR MHealth and UHealth</i> , 2017, 5, e175.	1.8	12
68	Retrograde C0-C1 Insertion of Cervical Plate Electrode for Chronic Intractable Neck and Arm Pain. <i>World Neurosurgery</i> , 2011, 76, 352-354.	0.7	11
69	Prolyl Carboxypeptidase Activity Decline Correlates with Severity and Short-Term Outcome in Acute Ischemic Stroke. <i>Neurochemical Research</i> , 2015, 40, 81-88.	1.6	11
70	Effects of Spinal Cord Stimulation on Heart Rate Variability in Patients With Failed Back Surgery Syndrome: Comparison Between a 2-lead ECG and a Wearable Device. <i>Neuromodulation</i> , 2021, 24, 512-519.	0.4	11
71	Intravenous thrombolysis with recombinant tissue plasminogen activator for acute ischemic stroke in a patient treated with rivaroxaban. <i>Clinical Neurology and Neurosurgery</i> , 2014, 122, 133-134.	0.6	10
72	Clinical signs in young patients with stroke related to FAST: results of the sifap1 study. <i>BMJ Open</i> , 2014, 4, e005276.	0.8	9

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73	Intravenous Thrombolysis with Recombinant Tissue Plasminogen Activator in a Stroke Patient Treated with Apixaban. <i>International Journal of Stroke</i> , 2014, 9, E31-E31.	2.9	9
74	Intrathecal bupivacaine for arachnoiditis ossificans: A case report. <i>Clinical Neurology and Neurosurgery</i> , 2013, 115, 1162-1163.	0.6	8
75	Statistical Analysis Plan for the Second Intensive Blood Pressure Reduction in Acute Cerebral Hemorrhage Trial (INTERACT2). <i>International Journal of Stroke</i> , 2013, 8, 327-328.	2.9	8
76	Twiddler™s Syndrome and Neuromodulation-Devices: A Troubled Marriage. <i>Neuromodulation</i> , 2017, 20, 279-283.	0.4	8
77	Feasibility, Reliability and Predictive Value Of In-Ambulance Heart Rate Variability Registration. <i>PLoS ONE</i> , 2016, 11, e0154834.	1.1	8
78	Acute Stroke Management in Patients Taking Dabigatran. <i>CNS Neuroscience and Therapeutics</i> , 2012, 18, 616-622.	1.9	7
79	Cortical mapping of painful electrical stimulation by quantitative electroencephalography: unraveling the time–frequency–channel domain. <i>Journal of Pain Research</i> , 2017, Volume 10, 2675-2685.	0.8	7
80	Global Outcome Assessment Life-long after stroke in young adults initiative"the GOAL initiative: study protocol and rationale of a multicentre retrospective individual patient data meta-analysis. <i>BMJ Open</i> , 2019, 9, e031144.	0.8	7
81	Successful Repetitive Intravenous Thrombolysis in a Patient With Recurrent Brainstem Infarctions Due to Megadolichobasilar Ectasia. <i>JAMA Neurology</i> , 2013, 70, 520.	4.5	6
82	Association Between Spinal Cord Stimulation and Top-Down Nociceptive Inhibition in People With Failed Back Surgery Syndrome: A Cohort Study. <i>Physical Therapy</i> , 2019, 99, 915-923.	1.1	6
83	Opioid withdrawal due to Twiddler syndrome. <i>Neurology</i> , 2011, 77, 86-86.	1.5	5
84	Prediction of hospitalization duration for acute stroke in Belgium. <i>Acta Neurologica Belgica</i> , 2012, 112, 19-25.	0.5	5
85	The sNIHSS-4 predicts outcome in right and left anterior circulation strokes. <i>Clinical Neurology and Neurosurgery</i> , 2013, 115, 729-731.	0.6	5
86	Health Economic Evaluations of Digital Health Interventions for Secondary Prevention in Stroke Patients: A Systematic Review. <i>Cerebrovascular Diseases Extra</i> , 2019, 9, 1-8.	0.5	5
87	Fabry disease in a patient with Turner syndrome. <i>Journal of Inherited Metabolic Disease</i> , 2009, 32, 45-48.	1.7	4
88	PreSSUB II: The prehospital stroke study at the Universitair Ziekenhuis Brussel II. <i>Journal of Translational Internal Medicine</i> , 2015, 3, 57-63.	1.0	3
89	Cerebral Blood Flow and Heart Rate Variability in Chronic Fatigue Syndrome: A Randomized Cross-Over Study. <i>Pain Physician</i> , 2018, 21, E13-E24.	0.3	3
90	Response to Letter Regarding Belgian Fabry Study: Prevalence of Fabry Disease in a Cohort of 1000 Young Patients With Cerebrovascular Disease. <i>Stroke</i> , 2011, 42, .	1.0	2

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91	Left ventricular wall motion abnormalities. <i>Neurology</i> , 2017, 88, 510-511.	1.5	2
92	Cerebral Biochemical Effect of Pregabalin in Patients with Painful Diabetic Neuropathy: A Randomized Controlled Trial. <i>Diabetes Therapy</i> , 2018, 9, 1591-1604.	1.2	2
93	A halo may lead the way. <i>Cephalalgia</i> , 2011, 31, 971-972.	1.8	1
94	Disc Fragment Herniectomy Through a Facet Joint Quadrantectomy for Extraforaminal Lumbar Herniation: Technique and Results. <i>World Neurosurgery</i> , 2016, 85, 228-235.	0.7	1
95	Mécanismes d'action de la stimulation médullaire. , 2014, , 89-95.		1
96	Neurological Problems. , 2010, , 197-207.		0