

Steven Warach

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

138
papers

17,736
citations

57
h-index

133
g-index

147
ext. papers

19,701
ext. citations

8.3
avg, IF

6.05
L-index

#	Paper	IF	Citations
138	Should Primary Stroke Centers Perform Advanced Imaging?. <i>Stroke</i> , 2022 , STROKEAHA121033528	6.7	0
137	SELECTION criteria for large core trials: dogma or data?. <i>Journal of NeuroInterventional Surgery</i> , 2021 , 13, 500-504	7.8	2
136	Advanced Imaging in the Era of Tissue-Based Treatment for Acute Ischemic Stroke— Practical Review. <i>Current Treatment Options in Neurology</i> , 2021 , 23, 1	4.4	
135	Intravenous alteplase for stroke with unknown time of onset guided by advanced imaging: systematic review and meta-analysis of individual patient data. <i>Lancet, The</i> , 2020 , 396, 1574-1584	4.0	44
134	Reversible diffusion-weighted imaging lesions in acute ischemic stroke: A systematic review. <i>Neurology</i> , 2020 , 94, 571-587	6.5	24
133	End of life: Expert care and support, not physician-hastened death. <i>Neurology</i> , 2019 , 93, 729-734	6.5	2
132	Direct Assessment of Health Utilities Using the Standard Gamble Among Patients With Primary Intracerebral Hemorrhage. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2019 , 12, e005606	5.8	3
131	Patients with large brain infarcts might also benefit from thrombectomy. <i>Lancet Neurology, The</i> , 2019 , 18, 22-23	24.1	
130	Intravenous thrombolysis in unwitnessed stroke onset: MR WITNESS trial results. <i>Annals of Neurology</i> , 2018 , 83, 980-993	9.4	77
129	Impact of Lesion Load Thresholds on Alberta Stroke Program Early Computed Tomographic Score in Diffusion-Weighted Imaging. <i>Frontiers in Neurology</i> , 2018 , 9, 273	4.1	2
128	Rationale and Design of a Statewide Cohort to examine efficient resource utilization for patients with Intracerebral hemorrhage (EnRICH). <i>BMC Neurology</i> , 2018 , 18, 31	3.1	8
127	Trauma-Specific Brain Abnormalities in Suspected Mild Traumatic Brain Injury Patients Identified in the First 48 Hours after Injury: A Blinded Magnetic Resonance Imaging Comparative Study Including Suspected Acute Minor Stroke Patients. <i>Journal of Neurotrauma</i> , 2017 , 34, 23-30	5.4	23
126	Translational Stroke Research: Vision and Opportunities. <i>Stroke</i> , 2017 , 48, 2632-2637	6.7	62
125	Stroke Treatment Academic Industry Roundtable Recommendations for Individual Data Pooling Analyses in Stroke. <i>Stroke</i> , 2016 , 47, 2154-9	6.7	6
124	Silent new ischemic lesions after index stroke and the risk of future clinical recurrent stroke. <i>Neurology</i> , 2016 , 86, 277-85	6.5	14
123	Magnetic Resonance Imaging of Cerebrovascular Diseases 2016 , 768-789.e9		
122	Silent New Brain Lesions: Innocent Bystander or Guilty Party?. <i>Journal of Stroke</i> , 2016 , 18, 38-49	5.6	16

121	A genomic profile of the immune response to stroke with implications for stroke recovery. <i>Biological Research for Nursing</i> , 2015 , 17, 248-56	2.6	13
120	Imaging in StrokeNet: Realizing the Potential of Big Data. <i>Stroke</i> , 2015 , 46, 2000-6	6.7	21
119	Magnetic resonance imaging in acute ischemic stroke treatment. <i>Journal of Stroke</i> , 2014 , 16, 131-45	5.6	87
118	Assessing reperfusion with whole-brain arterial spin labeling: a noninvasive alternative to gadolinium. <i>Stroke</i> , 2014 , 45, 456-61	6.7	23
117	New brain infarcts on magnetic resonance imaging after coronary artery bypass graft surgery: lesion patterns, mechanism, and predictors. <i>Annals of Neurology</i> , 2014 , 76, 347-55	9.4	35
116	Association between neurologic improvement with decline in blood pressure and recanalization in stroke. <i>JAMA Neurology</i> , 2014 , 71, 1555-8	17.2	4
115	Validity of acute stroke lesion volume estimation by diffusion-weighted imaging-Alberta Stroke Program Early Computed Tomographic Score depends on lesion location in 496 patients with middle cerebral artery stroke. <i>Stroke</i> , 2014 , 45, 3583-8	6.7	24
114	Multi-center prediction of hemorrhagic transformation in acute ischemic stroke using permeability imaging features. <i>Magnetic Resonance Imaging</i> , 2013 , 31, 961-9	3.3	37
113	Predictors of acute stroke mimics in 8187 patients referred to a stroke service. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2013 , 22, e397-403	2.8	103
112	Negative diffusion-weighted imaging after intravenous tissue-type plasminogen activator is rare and unlikely to indicate averted infarction. <i>Stroke</i> , 2013 , 44, 1629-34	6.7	21
111	Recommendations on angiographic revascularization grading standards for acute ischemic stroke: a consensus statement. <i>Stroke</i> , 2013 , 44, 2650-63	6.7	884
110	Quantitative measurements of relative fluid-attenuated inversion recovery (FLAIR) signal intensities in acute stroke for the prediction of time from symptom onset. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, 76-84	7.3	40
109	Accuracy and reliability assessment of CT and MR perfusion analysis software using a digital phantom. <i>Radiology</i> , 2013 , 267, 201-11	20.5	104
108	Development, expansion, and use of a stroke clinical trials resource for novel exploratory analyses. <i>International Journal of Stroke</i> , 2012 , 7, 133-8	6.3	70
107	MRI profile and response to endovascular reperfusion after stroke (DEFUSE 2): a prospective cohort study. <i>Lancet Neurology</i> , 2012 , 11, 860-7	24.1	612
106	Pilot results of in vivo brain glutathione measurements in stroke patients. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012 , 32, 2118-21	7.3	6
105	Standardizing the structure of stroke clinical and epidemiologic research data: the National Institute of Neurological Disorders and Stroke (NINDS) Stroke Common Data Element (CDE) project. <i>Stroke</i> , 2012 , 43, 967-73	6.7	100
104	Refinement of the magnetic resonance diffusion-perfusion mismatch concept for thrombolytic patient selection: insights from the desmoteplase in acute stroke trials. <i>Stroke</i> , 2012 , 43, 2313-8	6.7	51

103	Pseudocontinuous arterial spin labeling quantifies relative cerebral blood flow in acute stroke. <i>Stroke</i> , 2012 , 43, 753-8	6.7	35
102	Vascular occlusion enables selecting acute ischemic stroke patients for treatment with desmoteplase. <i>Stroke</i> , 2012 , 43, 1561-6	6.7	68
101	Whole-brain arterial spin labeling perfusion MRI in patients with acute stroke. <i>Stroke</i> , 2012 , 43, 1290-4	6.7	82
100	A pragmatic approach using magnetic resonance imaging to treat ischemic strokes of unknown onset time in a thrombolytic trial. <i>Stroke</i> , 2012 , 43, 2331-5	6.7	38
99	Risk of recurrent stroke in patients with silent brain infarction in the Prevention Regimen for Effectively Avoiding Second Strokes (PRoFESS) imaging substudy. <i>Stroke</i> , 2012 , 43, 350-5	6.7	13
98	Stroke imaging research road map. <i>Neuroimaging Clinics of North America</i> , 2011 , 21, 239-45, ix	3	7
97	Magnetic Resonance Imaging of Cerebrovascular Diseases 2011 , 882-909		1
96	DWI-FLAIR mismatch for the identification of patients with acute ischaemic stroke within 4½ h of symptom onset (PRE-FLAIR): a multicentre observational study. <i>Lancet Neurology</i> , 2011 , 10, 978-86	24.1	364
95	Circulating CD133+CD34+ progenitor cells inversely correlate with soluble ICAM-1 in early ischemic stroke patients. <i>Journal of Translational Medicine</i> , 2011 , 9, 145	8.5	17
94	Stromal-derived factor-1[alpha] correlates with circulating endothelial progenitor cells and with acute lesion volume in stroke patients. <i>Stroke</i> , 2011 , 42, 618-25	6.7	57
93	Visual perfusion-diffusion mismatch is equivalent to quantitative mismatch. <i>Stroke</i> , 2011 , 42, 1010-4	6.7	17
92	Hypertension-induced vascular remodeling contributes to reduced cerebral perfusion and the development of spontaneous stroke in aged SHRSP rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 827-36	7.3	42
91	Increased plasma and tissue MMP levels are associated with BCSFB and BBB disruption evident on post-contrast FLAIR after experimental stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 1188-99	7.3	34
90	Blood-brain barrier disruption in humans is independently associated with increased matrix metalloproteinase-9. <i>Stroke</i> , 2010 , 41, e123-8	6.7	144
89	Imaging of acute stroke. <i>Nature Reviews Neurology</i> , 2010 , 6, 560-71	15	102
88	Optimizing stroke clinical trial design: estimating the proportion of eligible patients. <i>Stroke</i> , 2010 , 41, 2236-8	6.7	2
87	Recommendations for imaging of acute ischemic stroke: a scientific statement from the American Heart Association. <i>Stroke</i> , 2009 , 40, 3646-78	6.7	315
86	Intravenous desmoteplase in patients with acute ischaemic stroke selected by MRI perfusion-diffusion weighted imaging or perfusion CT (DIAS-2): a prospective, randomised, double-blind, placebo-controlled study. <i>Lancet Neurology</i> , 2009 , 8, 141-50	24.1	469

85	Measurement of glutathione in normal volunteers and stroke patients at 3T using J-difference spectroscopy with minimized subtraction errors. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 30, 263-70	5.6	34
84	Cerebral microbleeds: a guide to detection and interpretation. <i>Lancet Neurology</i> , 2009 , 8, 165-74	24.1	1206
83	Verification of enhancement of the CSF space, not parenchyma, in acute stroke patients with early blood-brain barrier disruption. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008 , 28, 882-6	7.3	29
82	Thrombolytic toxicity: blood brain barrier disruption in human ischemic stroke. <i>Cerebrovascular Diseases</i> , 2008 , 25, 338-43	3.2	97
81	Development and validation of a simple conversion model for comparison of intracerebral hemorrhage volumes measured on CT and gradient recalled echo MRI. <i>Stroke</i> , 2008 , 39, 2017-20	6.7	32
80	Establishing final infarct volume: stroke lesion evolution past 30 days is insignificant. <i>Stroke</i> , 2008 , 39, 2765-8	6.7	69
79	Reperfusion half-life: a novel pharmacodynamic measure of thrombolytic activity. <i>Stroke</i> , 2008 , 39, 2148-50	6.7	18
78	Reperfusion-associated hemorrhagic transformation in SHR rats: evidence of symptomatic parenchymal hematoma. <i>Stroke</i> , 2008 , 39, 3405-10	6.7	25
77	The Virtual International Stroke Trials Archive. <i>Stroke</i> , 2007 , 38, 1905-10	6.7	97
76	CT-NIHSS mismatch does not correlate with MRI diffusion-perfusion mismatch. <i>Stroke</i> , 2007 , 38, 2079-84	6.7	20
75	Lesion volume change after treatment with tissue plasminogen activator can discriminate clinical responders from nonresponders. <i>Stroke</i> , 2007 , 38, 2919-23	6.7	26
74	Mismatch and defuse: harvesting the riches of multicenter neuroimaging-based stroke studies. <i>Stroke</i> , 2007 , 38, 1718-9	6.7	6
73	Validation of an acute ischemic stroke model: does diffusion-weighted imaging lesion volume offer a clinically significant improvement in prediction of outcome?. <i>Stroke</i> , 2007 , 38, 1820-5	6.7	86
72	Magnetic resonance imaging and computed tomography in emergency assessment of patients with suspected acute stroke: a prospective comparison. <i>Lancet</i> , 2007 , 369, 293-8	40	803
71	MRI versus CT in acute stroke [Authors Reply]. <i>Lancet</i> , 2007 , 369, 1342	40	
70	The association between neurological deficit in acute ischemic stroke and mean transit time: comparison of four different perfusion MRI algorithms. <i>Neuroradiology</i> , 2006 , 48, 69-77	3.2	26
69	Advances in imaging 2005. <i>Stroke</i> , 2006 , 37, 297-8	6.7	6
68	Intra- and interrater reliability of ischemic lesion volume measurements on diffusion-weighted, mean transit time and fluid-attenuated inversion recovery MRI. <i>Stroke</i> , 2006 , 37, 2951-6	6.7	71

67	Silent ischemic lesion recurrence on magnetic resonance imaging predicts subsequent clinical vascular events. <i>Archives of Neurology</i> , 2006 , 63, 1730-3		47
66	Dose Escalation of Desmoteplase for Acute Ischemic Stroke (DEDAS): evidence of safety and efficacy 3 to 9 hours after stroke onset. <i>Stroke</i> , 2006 , 37, 1227-31	6.7	451
65	Effect of the Glycine Antagonist Gavestinel on cerebral infarcts in acute stroke patients, a randomized placebo-controlled trial: The GAIN MRI Substudy. <i>Cerebrovascular Diseases</i> , 2006 , 21, 106-113 ²		45
64	Imaging. <i>Stroke</i> , 2005 , 36, 196-9	6.7	8
63	MRI screening before standard tissue plasminogen activator therapy is feasible and safe. <i>Stroke</i> , 2005 , 36, 1939-43	6.7	79
62	Seeing the Brain So We Can Save It: The Evolution of Magnetic Resonance Imaging as a Clinical Tool 2005 , 3-19		
61	The Desmoteplase in Acute Ischemic Stroke Trial (DIAS): a phase II MRI-based 9-hour window acute stroke thrombolysis trial with intravenous desmoteplase. <i>Stroke</i> , 2005 , 36, 66-73	6.7	859
60	Diagnostic and prognostic value of early MR Imaging vessel signs in hyperacute stroke patients imaged . <i>American Journal of Neuroradiology</i> , 2005 , 26, 618-24	4.4	115
59	Comparison of MRI and CT for detection of acute intracerebral hemorrhage. <i>JAMA - Journal of the American Medical Association</i> , 2004 , 292, 1823-30	27.4	500
58	More accurate identification of reversible ischemic injury in human stroke by cerebrospinal fluid suppressed diffusion-weighted imaging. <i>Stroke</i> , 2004 , 35, 1100-6	6.7	29
57	Rising statin use and effect on ischemic stroke outcome. <i>BMC Medicine</i> , 2004 , 2, 4	11.4	50
56	Therapeutic time window of thrombolytic therapy following stroke. <i>Current Atherosclerosis Reports</i> , 2004 , 6, 288-94	6	23
55	Early magnetic resonance imaging findings in patients receiving tissue plasminogen activator predict outcome: Insights into the pathophysiology of acute stroke in the thrombolysis era. <i>Annals of Neurology</i> , 2004 , 55, 105-12	9.4	111
54	Early blood-brain barrier disruption in human focal brain ischemia. <i>Annals of Neurology</i> , 2004 , 56, 468-77 ^{9.4}		357
53	Evidence of reperfusion injury, exacerbated by thrombolytic therapy, in human focal brain ischemia using a novel imaging marker of early blood-brain barrier disruption. <i>Stroke</i> , 2004 , 35, 2659-61	6.7	288
52	Update on stroke. <i>Current Opinion in Neurology</i> , 2004 , 17, 447-51	7.1	26
51	Impact of establishing a primary stroke center at a community hospital on the use of thrombolytic therapy: the NINDS Suburban Hospital Stroke Center experience. <i>Stroke</i> , 2003 , 34, e55-7	6.7	67
50	Editorial comment--Is there a perihematoma ischemic penumbra? More questions and an overlooked clue. <i>Stroke</i> , 2003 , 34, 1680	6.7	11

49	Trial design and reporting standards for intra-arterial cerebral thrombolysis for acute ischemic stroke. <i>Stroke</i> , 2003 , 34, e109-37	6.7	989
48	Acute ischemic cerebrovascular syndrome: diagnostic criteria. <i>Stroke</i> , 2003 , 34, 2995-8	6.7	135
47	The importance of specific diagnosis in stroke patient management 2003 , 1-14		
46	Limitations of current brain imaging modalities in stroke 2003 , 15-30		1
45	Stroke MRI in intracranial hemorrhage 2003 , 103-112		1
44	Localization of stroke syndromes using diffusion-weighted MR imaging (DWI) 2003 , 121-134		
43	Perfusion imaging with arterial spin labelling 2003 , 161-174		0
42	Clinical role of echoplanar MRI in stroke 2003 , 175-190		1
41	New MR techniques to select patients for thrombolysis in acute stroke 2003 , 207-222		
40	MRI as a tool in stroke drug development 2003 , 223-232		
39	Functional MRI and stroke 2003 , 251-262		
38	Early ischemic lesion recurrence within a week after acute ischemic stroke. <i>Annals of Neurology</i> , 2003 , 54, 66-74	9.4	131
37	Reversal of Perfusion and Diffusion Abnormalities After Intravenous Thrombolysis for a Lacunar Infarction. <i>Journal of Neuroimaging</i> , 2003 , 13, 152-154	2.8	26
36	Trial Design and Reporting Standards for Intraarterial Cerebral Thrombolysis for Acute Ischemic Stroke. <i>Journal of Vascular and Interventional Radiology</i> , 2003 , 14, E1-E31	2.4	62
35	Association of ischemic lesion patterns on early diffusion-weighted imaging with TOAST stroke subtypes. <i>Archives of Neurology</i> , 2003 , 60, 1730-4		210
34	Reversal of Perfusion and Diffusion Abnormalities After Intravenous Thrombolysis for a Lacunar Infarction 2003 , 13, 152		5
33	Stroke Imaging/Diffusion Perfusion MRI 2003 , 400-403		
32	Stroke MRI 2003 ,		7

31	Reversal of perfusion and diffusion abnormalities after intravenous thrombolysis for a lacunar infarction 2003 , 13, 152-4		8
30	Cerebral spinal fluid contamination of the measurement of the apparent diffusion coefficient of water in acute stroke. <i>Magnetic Resonance in Medicine</i> , 2002 , 48, 478-86	4.4	44
29	Significance of early CT signs in acute stroke. A CT scan-diffusion MRI study. <i>Cerebrovascular Diseases</i> , 2002 , 13, 47-56	3.2	35
28	Oral citicoline in acute ischemic stroke: an individual patient data pooling analysis of clinical trials. <i>Stroke</i> , 2002 , 33, 2850-7	6.7	168
27	Magnetic resonance imaging in stroke trials 2002 , 339-352		1
26	Use of diffusion and perfusion magnetic resonance imaging as a tool in acute stroke clinical trials. <i>Current Controlled Trials in Cardiovascular Medicine</i> , 2001 , 2, 38-44		36
25	Diffusion-weighted imaging and National Institutes of Health Stroke Scale in the acute phase of posterior-circulation stroke. <i>Archives of Neurology</i> , 2001 , 58, 621-8		85
24	A three-item scale for the early prediction of stroke recovery. <i>Lancet, The</i> , 2001 , 357, 2095-9	4.0	185
23	Relationship between magnetic resonance arterial patency and perfusion-diffusion mismatch in acute ischemic stroke and its potential clinical use. <i>Archives of Neurology</i> , 2001 , 58, 1069-74		53
22	Clinical correlations of diffusion and perfusion lesion volumes in acute ischemic stroke. <i>Cerebrovascular Diseases</i> , 2000 , 10, 441-8	3.2	82
21	MRI features of intracerebral hemorrhage within 2 hours from symptom onset. <i>Stroke</i> , 1999 , 30, 2263-7	6.7	257
20	Schizophrenic subjects activate dorsolateral prefrontal cortex during a working memory task, as measured by fMRI. <i>Biological Psychiatry</i> , 1999 , 45, 1128-37	7.9	324
19	Imaging developing brain infarction. <i>Current Opinion in Neurology</i> , 1999 , 12, 65-71	7.1	14
18	Magnetic resonance imaging of acute stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1998 , 18, 583-609	7.3	493
17	A general kinetic model for quantitative perfusion imaging with arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 1998 , 40, 383-96	4.4	894
16	A phantom for diffusion-weighted imaging of acute stroke. <i>Journal of Magnetic Resonance Imaging</i> , 1998 , 8, 1349-54	5.6	61
15	Comparison of EPSTAR and T2*-weighted gadolinium-enhanced perfusion imaging in patients with acute cerebral ischemia. <i>Neurology</i> , 1997 , 48, 673-9	6.5	93
14	Prefrontal cortex fMRI signal changes are correlated with working memory load. <i>NeuroReport</i> , 1997 , 8, 545-9	1.7	234

13	Enlargement of human cerebral ischemic lesion volumes measured by diffusion-weighted magnetic resonance imaging. <i>Annals of Neurology</i> , 1997 , 41, 581-9	9.4	448
12	Ischemic lesion volumes in acute stroke by diffusion-weighted magnetic resonance imaging correlate with clinical outcome. <i>Annals of Neurology</i> , 1997 , 42, 164-70	9.4	339
11	STAR-HASTE: perfusion imaging without magnetic susceptibility artifact. <i>Magnetic Resonance in Medicine</i> , 1997 , 38, 404-8	4.4	49
10	STAR MR angiography for rapid detection of vascular abnormalities in patients with acute cerebrovascular disease. <i>Stroke</i> , 1997 , 28, 1211-5	6.7	7
9	Cortical activation in the human brain during lateral saccades using EPISTAR functional magnetic resonance imaging. <i>NeuroImage</i> , 1996 , 3, 53-62	7.9	84
8	Comparison of the BOLD- and EPISTAR-technique for functional brain imaging by using signal detection theory. <i>Magnetic Resonance in Medicine</i> , 1996 , 36, 249-55	4.4	33
7	Clinical outcome in ischemic stroke predicted by early diffusion-weighted and perfusion magnetic resonance imaging: a preliminary analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1996 , 16, 53-9	7.3	426
6	Detection of hyperacute primary intraparenchymal hemorrhage by magnetic resonance imaging. <i>Stroke</i> , 1996 , 27, 2321-4	6.7	160
5	Review : Mapping Brain Pathophysiology and Higher Cortical Function with Magnetic Resonance Imaging. <i>Neuroscientist</i> , 1995 , 1, 221-235	7.6	3
4	Acute human stroke studied by whole brain echo planar diffusion-weighted magnetic resonance imaging. <i>Annals of Neurology</i> , 1995 , 37, 231-41	9.4	876
3	Decreases in frontal and parietal lobe regional cerebral blood flow related to habituation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1992 , 12, 546-53	7.3	46
2	The reproducibility of the ¹³³ Xe inhalation technique in resting studies: task order and sex related effects in healthy young adults. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1987 , 7, 702-8	7.3	40
1	A cognitive-motor network demonstrated by positron emission tomography. <i>Neuropsychologia</i> , 1983 , 21, 601-6	3.2	50