Steven Warach

List of Publications by Year in descending order

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144 papers	21,533 citations	20797 60 h-index	15716 125 g-index
147 all docs	147 docs citations	147 times ranked	15328 citing authors

#	Article	IF	Citations
1	Cerebral microbleeds: a guide to detection and interpretation. Lancet Neurology, The, 2009, 8, 165-174.	4.9	1,503
2	Recommendations on Angiographic Revascularization Grading Standards for Acute Ischemic Stroke. Stroke, 2013, 44, 2650-2663.	1.0	1,264
3	Trial Design and Reporting Standards for Intra-Arterial Cerebral Thrombolysis for Acute Ischemic Stroke. Stroke, 2003, 34, e109-37.	1.0	1,242
4	A general kinetic model for quantitative perfusion imaging with arterial spin labeling. Magnetic Resonance in Medicine, 1998, 40, 383-396.	1.9	1,067
5	Magnetic resonance imaging and computed tomography in emergency assessment of patients with suspected acute stroke: a prospective comparison. Lancet, The, 2007, 369, 293-298.	6.3	1,033
6	Acute human stroke studied by whole brain echo planar diffusion-weighted magnetic resonance imaging. Annals of Neurology, 1995, 37, 231-241.	2.8	1,012
7	The Desmoteplase in Acute Ischemic Stroke Trial (DIAS). Stroke, 2005, 36, 66-73.	1.0	980
8	MRI profile and response to endovascular reperfusion after stroke (DEFUSE 2): a prospective cohort study. Lancet Neurology, The, 2012, 11, 860-867.	4.9	718
9	Comparison of MRI and CT for Detection of Acute Intracerebral Hemorrhage. JAMA - Journal of the American Medical Association, 2004, 292, 1823.	3.8	661
10	Magnetic Resonance Imaging of Acute Stroke. Journal of Cerebral Blood Flow and Metabolism, 1998, 18, 583-609.	2.4	533
11	Enlargement of human cerebral ischemic lesion volumes measured by diffusion-weighted magnetic resonance imaging. Annals of Neurology, 1997, 41, 581-589.	2.8	532
12	Intravenous desmoteplase in patients with acute ischaemic stroke selected by MRI perfusionâ€“diffusion weighted imaging or perfusion CT (DIAS-2): a prospective, randomised, double-blind, placebo-controlled study. Lancet Neurology, The, 2009, 8, 141-150.	4.9	526
13	Dose Escalation of Desmoteplase for Acute Ischemic Stroke (DEDAS). Stroke, 2006, 37, 1227-1231.	1.0	511
14	Clinical Outcome in Ischemic Stroke Predicted by Early Diffusion-Weighted and Perfusion Magnetic Resonance Imaging: A Preliminary Analysis. Journal of Cerebral Blood Flow and Metabolism, 1996, 16, 53-59.	2.4	484
15	DWI-FLAIR mismatch for the identification of patients with acute ischaemic stroke within 4Â·5 h of symptom onset (PRE-FLAIR): a multicentre observational study. Lancet Neurology, The, 2011, 10, 978-986.	4.9	468
16	Ischemic lesion volumes in acute stroke by diffusion-weighted magnetic resonance imaging correlate with clinical outcome. Annals of Neurology, 1997, 42, 164-170.	2.8	419
17	Early blood-brain barrier disruption in human focal brain ischemia. Annals of Neurology, 2004, 56, 468-477.	2.8	408
18	Recommendations for Imaging of Acute Ischemic Stroke. Stroke, 2009, 40, 3646-3678.	1.0	394

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19	Schizophrenic subjects activate dorsolateral prefrontal cortex during a working memory task, as measured by fMRI. Biological Psychiatry, 1999, 45, 1128-1137.	0.7	360
20	Evidence of Reperfusion Injury, Exacerbated by Thrombolytic Therapy, in Human Focal Brain Ischemia Using a Novel Imaging Marker of Early Blood-Brain Barrier Disruption. Stroke, 2004, 35, 2659-2661.	1.0	344
21	MRI Features of Intracerebral Hemorrhage Within 2 Hours From Symptom Onset. Stroke, 1999, 30, 2263-2267.	1.0	299
22	Prefrontal cortex fMRI signal changes are correlated with working memory load. NeuroReport, 1997, 8, 545-549.	0.6	259
23	Association of Ischemic Lesion Patterns on Early Diffusion-Weighted Imaging With TOAST Stroke Subtypes. Archives of Neurology, 2003, 60, 1730.	4.9	256
24	A three-item scale for the early prediction of stroke recovery. Lancet, The, 2001, 357, 2095-2099.	6.3	205
25	Oral Citicoline in Acute Ischemic Stroke. Stroke, 2002, 33, 2850-2857.	1.0	205
26	Detection of Hyperacute Primary Intraparenchymal Hemorrhage by Magnetic Resonance Imaging. Stroke, 1996, 27, 2321-2324.	1.0	205
27	Bloodâ€“Brain Barrier Disruption in Humans Is Independently Associated With Increased Matrix Metalloproteinase-9. Stroke, 2010, 41, e123-8.	1.0	181
28	Acute Ischemic Cerebrovascular Syndrome. Stroke, 2003, 34, 2995-2998.	1.0	161
29	Early ischemic lesion recurrence within a week after acute ischemic stroke. Annals of Neurology, 2003, 54, 66-74.	2.8	160
30	Early magnetic resonance imaging findings in patients receiving tissue plasminogen activator predict outcome: Insights into the pathophysiology of acute stroke in the thrombolysis era. Annals of Neurology, 2004, 55, 105-112.	2.8	133
31	Predictors of Acute Stroke Mimics in 8187 Patients Referred to a Stroke Service. Journal of Stroke and Cerebrovascular Diseases, 2013, 22, e397-e403.	0.7	132
32	Accuracy and Reliability Assessment of CT and MR Perfusion Analysis Software Using a Digital Phantom. Radiology, 2013, 267, 201-211.	3.6	131
33	Standardizing the Structure of Stroke Clinical and Epidemiologic Research Data. Stroke, 2012, 43, 967-973.	1.0	130
34	Diagnostic and prognostic value of early MR Imaging vessel signs in hyperacute stroke patients imaged <3 hours and treated with recombinant tissue plasminogen activator. American Journal of Neuroradiology, 2005, 26, 618-24.	1.2	124
35	Imaging of acute stroke. Nature Reviews Neurology, 2010, 6, 560-571.	4.9	123
36	Diffusion-Weighted Imaging and National Institutes of Health Stroke Scale in the Acute Phase of Posterior-Circulation Stroke. Archives of Neurology, 2001, 58, 621-8.	4.9	113

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37	Magnetic Resonance Imaging in Acute Ischemic Stroke Treatment. Journal of Stroke, 2014, 16, 131.	1.4	111
38	Thrombolytic Toxicity: Blood Brain Barrier Disruption in Human Ischemic Stroke. Cerebrovascular Diseases, 2008, 25, 338-343.	0.8	110
39	Intravenous thrombolysis in unwitnessed stroke onset: MR WITNESS trial results. Annals of Neurology, 2018, 83, 980-993.	2.8	110
40	Translational Stroke Research. Stroke, 2017, 48, 2632-2637.	1.0	108
41	Intravenous alteplase for stroke with unknown time of onset guided by advanced imaging: systematic review and meta-analysis of individual patient data. Lancet, The, 2020, 396, 1574-1584.	6.3	107
42	Comparison of EPISTAR and T sub 2 *-weighted gadolinium-enhanced perfusion imaging in patients with acute cerebral ischemia. Neurology, 1997, 48, 673-679.	1.5	101
43	The Virtual International Stroke Trials Archive. Stroke, 2007, 38, 1905-1910.	1.0	101
44	Whole-Brain Arterial Spin Labeling Perfusion MRI in Patients With Acute Stroke. Stroke, 2012, 43, 1290-1294.	1.0	96
45	Clinical Correlations of Diffusion and Perfusion Lesion Volumes in Acute Ischemic Stroke. Cerebrovascular Diseases, 2000, 10, 441-448.	0.8	95
46	Validation of an Acute Ischemic Stroke Model. Stroke, 2007, 38, 1820-1825.	1.0	95
47	Cortical Activation in the Human Brain during Lateral Saccades Using EPISTAR Functional Magnetic Resonance Imaging. NeuroImage, 1996, 3, 53-62.	2.1	91
48	Impact of Establishing a Primary Stroke Center at a Community Hospital on the Use of Thrombolytic Therapy. Stroke, 2003, 34, e55-7.	1.0	89
49	MRI Screening Before Standard Tissue Plasminogen Activator Therapy Is Feasible and Safe. Stroke, 2005, 36, 1939-1943.	1.0	89
50	Trial Design and Reporting Standards for Intraarterial Cerebral Thrombolysis for Acute Ischemic Stroke. Journal of Vascular and Interventional Radiology, 2003, 14, E1-E31.	0.2	88
51	Establishing Final Infarct Volume. Stroke, 2008, 39, 2765-2768.	1.0	79
52	Measurement of the Ischemic Penumbra With MRI: Itâ€™s About Time. Stroke, 2003, 34, 2533-2534.	1.0	77
53	Intra- and Interrater Reliability of Ischemic Lesion Volume Measurements on Diffusion-Weighted, Mean Transit Time and Fluid-Attenuated Inversion Recovery MRI. Stroke, 2006, 37, 2951-2956.	1.0	76
54	A Phantom for diffusion-weighted imaging of acute stroke. Journal of Magnetic Resonance Imaging, 1998, 8, 1349-1354.	1.9	75

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55	Development, Expansion, and Use of a Stroke Clinical Trials Resource for Novel Exploratory Analyses. International Journal of Stroke, 2012, 7, 133-138.	2.9	75
56	Vascular Occlusion Enables Selecting Acute Ischemic Stroke Patients for Treatment With Desmoteplase. Stroke, 2012, 43, 1561-1566.	1.0	72
57	Stromal-Derived Factor-1Î± Correlates With Circulating Endothelial Progenitor Cells and With Acute Lesion Volume in Stroke Patients. Stroke, 2011, 42, 618-625.	1.0	67
58	Thrombolysis in stroke beyond three hours: Targeting patients with diffusion and perfusion MRI. Annals of Neurology, 2002, 51, 11-13.	2.8	64
59	Relationship Between Magnetic Resonance Arterial Patency and Perfusion-Diffusion Mismatch in Acute Ischemic Stroke and Its Potential Clinical Use. Archives of Neurology, 2001, 58, 1069.	4.9	61
60	Rising statin use and effect on ischemic stroke outcome. BMC Medicine, 2004, 2, 4.	2.3	61
61	Cerebral spinal fluid contamination of the measurement of the apparent diffusion coefficient of water in acute stroke. Magnetic Resonance in Medicine, 2002, 48, 478-486.	1.9	57
62	A cognitive-motor network demonstrated by positron emission tomography. Neuropsychologia, 1983, 21, 601-606.	0.7	56
63	Refinement of the Magnetic Resonance Diffusion-Perfusion Mismatch Concept for Thrombolytic Patient Selection. Stroke, 2012, 43, 2313-2318.	1.0	54
64	Silent Ischemic Lesion Recurrence on Magnetic Resonance Imaging Predicts Subsequent Clinical Vascular Events. Archives of Neurology, 2006, 63, 1730.	4.9	52
65	Decreases in Frontal and Parietal Lobe Regional Cerebral Blood Flow Related to Habituation. Journal of Cerebral Blood Flow and Metabolism, 1992, 12, 546-553.	2.4	51
66	STAR-HASTE: Perfusion imaging without magnetic susceptibility artifact. Magnetic Resonance in Medicine, 1997, 38, 404-408.	1.9	51
67	Effect of the Glycine Antagonist Gavestinel on Cerebral Infarcts in Acute Stroke Patients, a Randomized Placebo-Controlled Trial: The GAIN MRI Substudy. Cerebrovascular Diseases, 2006, 21, 106-111.	0.8	51
68	Reversible diffusion-weighted imaging lesions in acute ischemic stroke. Neurology, 2020, 94, 571-587.	1.5	49
69	The Reproducibility of the 133Xe Inhalation Technique in Resting Studies: Task Order and Sex Related Effects in Healthy Young Adults. Journal of Cerebral Blood Flow and Metabolism, 1987, 7, 702-708.	2.4	46
70	Quantitative Measurements of Relative Fluid-Attenuated Inversion Recovery (FLAIR) Signal Intensities in Acute Stroke for the Prediction of Time from Symptom Onset. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 76-84.	2.4	46
71	New brain infarcts on magnetic resonance imaging after coronary artery bypass graft surgery: Lesion patterns, mechanism, and predictors. Annals of Neurology, 2014, 76, 347-355.	2.8	46
72	Significance of Early CT Signs in Acute Stroke. Cerebrovascular Diseases, 2002, 13, 47-56.	0.8	45

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73	Hypertension-Induced Vascular Remodeling Contributes to Reduced Cerebral Perfusion and the Development of Spontaneous Stroke in Aged SHRSP Rats. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 827-836.	2.4	45
74	The redefinition of TIA. Neurology, 2004, 62, 359-360.	1.5	44
75	Increased Plasma and Tissue MMP Levels are Associated with BCSFB and BBB Disruption Evident on Post-Contrast FLAIR after Experimental Stroke. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1188-1199.	2.4	44
76	A Pragmatic Approach Using Magnetic Resonance Imaging to Treat Ischemic Strokes of Unknown Onset Time in a Thrombolytic Trial. Stroke, 2012, 43, 2331-2335.	1.0	43
77	Multi-center prediction of hemorrhagic transformation in acute ischemic stroke using permeability imaging features. Magnetic Resonance Imaging, 2013, 31, 961-969.	1.0	43
78	Pseudocontinuous Arterial Spin Labeling Quantifies Relative Cerebral Blood Flow in Acute Stroke. Stroke, 2012, 43, 753-758.	1.0	41
79	Use of diffusion and perfusion magnetic resonance imaging as a tool in acute stroke clinical trials. , 2001, 2, 38.		40
80	Comparison of the BOLD- and EPISTAR-technique for functional brain imaging by using signal detection theory. Magnetic Resonance in Medicine, 1996, 36, 249-255.	1.9	37
81	Measurement of glutathione in normal volunteers and stroke patients at 3T using Jâ€difference spectroscopy with minimized subtraction errors. Journal of Magnetic Resonance Imaging, 2009, 30, 263-270.	1.9	37
82	Validity of Acute Stroke Lesion Volume Estimation by Diffusion-Weighted Imagingâ€“Alberta Stroke Program Early Computed Tomographic Score Depends on Lesion Location in 496 Patients With Middle Cerebral Artery Stroke. Stroke, 2014, 45, 3583-3588.	1.0	36
83	Development and Validation of a Simple Conversion Model for Comparison of Intracerebral Hemorrhage Volumes Measured on CT and Gradient Recalled Echo MRI. Stroke, 2008, 39, 2017-2020.	1.0	35
84	Verification of Enhancement of the CSF Space, not Parenchyma, in Acute Stroke Patients with Early Bloodâ€"Brain Barrier Disruption. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 882-886.	2.4	33
85	More Accurate Identification of Reversible Ischemic Injury in Human Stroke by Cerebrospinal Fluid Suppressed Diffusion-Weighted Imaging. Stroke, 2004, 35, 1100-1106.	1.0	32
86	Therapeutic time window of thrombolytic therapy following stroke. Current Atherosclerosis Reports, 2004, 6, 288-294.	2.0	32
87	Reperfusion-Associated Hemorrhagic Transformation in SHR Rats. Stroke, 2008, 39, 3405-3410.	1.0	32
88	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. Journal of Neurotrauma, 2017, 34, 23-30.	1.7	32
89	Reversal of Perfusion and Diffusion Abnormalities After Intravenous Thrombolysis for a Lacunar Infarction. Journal of Neuroimaging, 2003, 13, 152-154.	1.0	30
90	Stroke Neuroimaging. Stroke, 2003, 34, 345-347.	1.0	29

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91	The association between neurological deficit in acute ischemic stroke and mean transit time. Neuroradiology, 2006, 48, 69-77.	1.1	29
92	Lesion Volume Change After Treatment With Tissue Plasminogen Activator Can Discriminate Clinical Responders From Nonresponders. Stroke, 2007, 38, 2919-2923.	1.0	29
93	Negative Diffusion-Weighted Imaging After Intravenous Tissue-Type Plasminogen Activator is Rare and Unlikely to Indicate Averted Infarction. Stroke, 2013, 44, 1629-1634.	1.0	29
94	Assessing Reperfusion With Whole-Brain Arterial Spin Labeling. Stroke, 2014, 45, 456-461.	1.0	27
95	Update on stroke. Current Opinion in Neurology, 2004, 17, 447-451.	1.8	26
96	Silent New Brain Lesions: Innocent Bystander or Guilty Party?. Journal of Stroke, 2016, 18, 38-49.	1.4	26
97	Imaging in StrokeNet. Stroke, 2015, 46, 2000-2006.	1.0	25
98	A Genomic Profile of the Immune Response to Stroke With Implications for Stroke Recovery. Biological Research for Nursing, 2015, 17, 248-256.	1.0	24
99	CT-NIHSS Mismatch Does Not Correlate With MRI Diffusion-Perfusion Mismatch. Stroke, 2007, 38, 2079-2084.	1.0	23
100	Silent new ischemic lesions after index stroke and the risk of future clinical recurrent stroke. Neurology, 2016, 86, 277-285.	1.5	22
101	Circulating CD133+CD34+ progenitor cells inversely correlate with soluble ICAM-1 in early ischemic stroke patients. Journal of Translational Medicine, 2011, 9, 145.	1.8	21
102	Reperfusion Half-Life. Stroke, 2008, 39, 2148-2150.	1.0	19
103	Imaging developing brain infarction. Current Opinion in Neurology, 1999, 12, 65-71.	1.8	19
104	Visual Perfusionâ€“Diffusion Mismatch Is Equivalent to Quantitative Mismatch. Stroke, 2011, 42, 1010-1014.	1.0	18
105	Risk of Recurrent Stroke in Patients With Silent Brain Infarction in the Prevention Regimen for Effectively Avoiding Second Strokes (PRoFESS) Imaging Substudy. Stroke, 2012, 43, 350-355.	1.0	18
106	SELECTion criteria for large core trials: dogma or data?. Journal of NeuroInterventional Surgery, 2021, 13, 500-504.	2.0	17
107	Reversal of Perfusion and Diffusion Abnormalities After Intravenous Thrombolysis for a Lacunar Infarction. , 2003, 13, 152-154.		15
108	Stroke Treatment Academic Industry Roundtable Recommendations for Individual Data Pooling Analyses in Stroke. Stroke, 2016, 47, 2154-2159.	1.0	13

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109	Editorial Commentâ€"Is There a Perihematomal Ischemic Penumbra? More Questions and an Overlooked Clue. Stroke, 2003, 34, 1680-1680.	1.0	12
110	Neuroimaging. Stroke, 2004, 35, 351-353.	1.0	11
111	Imaging. Stroke, 2005, 36, 196-199.	1.0	11
112	Association Between Neurologic Improvement With Decline in Blood Pressure and Recanalization in Stroke. JAMA Neurology, 2014, 71, 1555.	4.5	10
113	Rationale and Design of a Statewide Cohort to examine efficient resource utilization for patients with Intracerebral hemorrhage (EnRICH). BMC Neurology, 2018, 18, 31.	0.8	9
114	Prehospital Thrombolysis for Stroke. JAMA Neurology, 2015, 72, 9.	4.5	8
115	Direct Assessment of Health Utilities Using the Standard Gamble Among Patients With Primary Intracerebral Hemorrhage. Circulation: Cardiovascular Quality and Outcomes, 2019, 12, e005606.	0.9	8
116	STAR MR Angiography for Rapid Detection of Vascular Abnormalities in Patients With Acute Cerebrovascular Disease. Stroke, 1997, 28, 1211-1215.	1.0	8
117	Reversal of perfusion and diffusion abnormalities after intravenous thrombolysis for a lacunar infarction. , 2003, 13, 152-4.		8
118	Advances in Imaging 2005. Stroke, 2006, 37, 297-298.	1.0	7
119	Mismatch and Defuse. Stroke, 2007, 38, 1718-1719.	1.0	7
120	Stroke Imaging Research Road Map. Neuroimaging Clinics of North America, 2011, 21, 239-245.	0.5	7
121	Pilot Results of in Vivo Brain Glutathione Measurements in Stroke Patients. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 2118-2121.	2.4	7
122	Stroke MRI. , 2003, , .		7
123	Review : Mapping Brain Pathophysiology and Higher Cortical Function with Magnetic Resonance Imaging. Neuroscientist, 1995, 1, 221-235.	2.6	4
124	Should Primary Stroke Centers Perform Advanced Imaging?. Stroke, 2022, 53, 1423-1430.	1.0	4
125	The importance of specific diagnosis in stroke patient management. , 2003, , 1-14.		2
126	Optimizing Stroke Clinical Trial Design. Stroke, 2010, 41, 2236-2238.	1.0	2

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127	Impact of Lesion Load Thresholds on Alberta Stroke Program Early Computed Tomographic Score in Diffusion-Weighted Imaging. Frontiers in Neurology, 2018, 9, 273.	1.1	2
128	End of life. Neurology, 2019, 93, 10.1212/WNL.0000000000008356.	1.5	2
129	Magnetic resonance imaging in stroke trials. , 2002, , 339-352.		1
130	Limitations of current brain imaging modalities in stroke. , 2003, , 15-30.		1
131	Stroke MRI in intracranial hemorrhage. , 2003, , 103-112.		1
132	Perfusion imaging with arterial spin labelling. , 2003, , 161-174.		1
133	Clinical role of echoplanar MRI in stroke. , 2003, , 175-190.		1
134	Magnetic Resonance Imaging of Cerebrovascular Diseases. , 2011, , 882-909.		1
135	Localization of stroke syndromes using diffusion-weighted MR imaging (DWI). , 2003, , 121-134.		0
136	New MR techniques to select patients for thrombolysis in acute stroke. , 2003, , 207-222.		0
137	MRI as a tool in stroke drug development. , 2003, , 223-232.		0
138	Functional MRI and stroke. , 2003, , 251-262.		0
139	Seeing the Brain So We Can Save It: The Evolution of Magnetic Resonance Imaging as a Clinical Tool. , 2005, , 3-19.		0
140	MRI versus CT in acute stroke â€“ Authors' reply. Lancet, The, 2007, 369, 1342.	6.3	0
141	Magnetic Resonance Imaging of Cerebrovascular Diseases. , 2016, , 768-789.e9.		0
142	Patients with large brain infarcts might also benefit from thrombectomy. Lancet Neurology, The, 2019, 18, 22-23.	4.9	0
143	Advanced Imaging in the Era of Tissue-Based Treatment for Acute Ischemic Strokeâ€”a Practical Review. Current Treatment Options in Neurology, 2021, 23, 1.	0.7	0
144	Stroke Imaging/Diffusionâ€“Perfusion MRI. , 2003, , 400-403.		0