

Steven Warach

List of Publications by Year in descending order

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144
papers

21,533
citations

20817

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15266

126
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147
all docs

147
docs citations

147
times ranked

15328
citing authors

#	ARTICLE	IF	CITATIONS
1	Should Primary Stroke Centers Perform Advanced Imaging?. Stroke, 2022, 53, 1423-1430.	2.0	4
2	SELECTION criteria for large core trials: dogma or data?. Journal of NeuroInterventional Surgery, 2021, 13, 500-504.	3.3	17
3	Advanced Imaging in the Era of Tissue-Based Treatment for Acute Ischemic Stroke—a Practical Review. Current Treatment Options in Neurology, 2021, 23, 1.	1.8	0
4	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.	13.7	107
5	Reversible diffusion-weighted imaging lesions in acute ischemic stroke. Neurology, 2020, 94, 571-587.	1.1	49
6	End of life. Neurology, 2019, 93, 10.1212/WNL.00000000000008356.	1.1	2
7	Direct Assessment of Health Utilities Using the Standard Gamble Among Patients With Primary Intracerebral Hemorrhage. Circulation: Cardiovascular Quality and Outcomes, 2019, 12, e005606.	2.2	8
8	Patients with large brain infarcts might also benefit from thrombectomy. Lancet Neurology, The, 2019, 18, 22-23.	10.2	0
9	Intravenous thrombolysis in unwitnessed stroke onset: MR WITNESS trial results. Annals of Neurology, 2018, 83, 980-993.	5.3	110
10	Impact of Lesion Load Thresholds on Alberta Stroke Program Early Computed Tomographic Score in Diffusion-Weighted Imaging. Frontiers in Neurology, 2018, 9, 273.	2.4	2
11	Rationale and Design of a Statewide Cohort to examine efficient resource utilization for patients with Intracerebral hemorrhage (EnRICH). BMC Neurology, 2018, 18, 31.	1.8	9
12	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.	3.4	32
13	Translational Stroke Research. Stroke, 2017, 48, 2632-2637.	2.0	108
14	Stroke Treatment Academic Industry Roundtable Recommendations for Individual Data Pooling Analyses in Stroke. Stroke, 2016, 47, 2154-2159.	2.0	13
15	Silent new ischemic lesions after index stroke and the risk of future clinical recurrent stroke. Neurology, 2016, 86, 277-285.	1.1	22
16	Magnetic Resonance Imaging of Cerebrovascular Diseases. , 2016, , 768-789.e9.		0
17	Silent New Brain Lesions: Innocent Bystander or Guilty Party?. Journal of Stroke, 2016, 18, 38-49.	3.2	26
18	Prehospital Thrombolysis for Stroke. JAMA Neurology, 2015, 72, 9.	9.0	8

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19	Imaging in StrokeNet. Stroke, 2015, 46, 2000-2006.	2.0	25
20	A Genomic Profile of the Immune Response to Stroke With Implications for Stroke Recovery. Biological Research for Nursing, 2015, 17, 248-256.	1.9	24
21	Magnetic Resonance Imaging in Acute Ischemic Stroke Treatment. Journal of Stroke, 2014, 16, 131.	3.2	111
22	Assessing Reperfusion With Whole-Brain Arterial Spin Labeling. Stroke, 2014, 45, 456-461.	2.0	27
23	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.	5.3	46
24	Association Between Neurologic Improvement With Decline in Blood Pressure and Recanalization in Stroke. JAMA Neurology, 2014, 71, 1555.	9.0	10
25	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. Stroke, 2014, 45, 3583-3588.	2.0	36
26	Multi-center prediction of hemorrhagic transformation in acute ischemic stroke using permeability imaging features. Magnetic Resonance Imaging, 2013, 31, 961-969.	1.8	43
27	Predictors of Acute Stroke Mimics in 8187 Patients Referred to a Stroke Service. Journal of Stroke and Cerebrovascular Diseases, 2013, 22, e397-e403.	1.6	132
28	Negative Diffusion-Weighted Imaging After Intravenous Tissue-Type Plasminogen Activator is Rare and Unlikely to Indicate Averted Infarction. Stroke, 2013, 44, 1629-1634.	2.0	29
29	Recommendations on Angiographic Revascularization Grading Standards for Acute Ischemic Stroke. Stroke, 2013, 44, 2650-2663.	2.0	1,264
30	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.	4.3	46
31	Accuracy and Reliability Assessment of CT and MR Perfusion Analysis Software Using a Digital Phantom. Radiology, 2013, 267, 201-211.	7.3	131
32	Pilot Results of <i>in Vivo</i> Brain Glutathione Measurements in Stroke Patients. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 2118-2121.	4.3	7
33	Standardizing the Structure of Stroke Clinical and Epidemiologic Research Data. Stroke, 2012, 43, 967-973.	2.0	130
34	Refinement of the Magnetic Resonance Diffusion-Perfusion Mismatch Concept for Thrombolytic Patient Selection. Stroke, 2012, 43, 2313-2318.	2.0	54
35	Pseudocontinuous Arterial Spin Labeling Quantifies Relative Cerebral Blood Flow in Acute Stroke. Stroke, 2012, 43, 753-758.	2.0	41
36	Vascular Occlusion Enables Selecting Acute Ischemic Stroke Patients for Treatment With Desmoteplase. Stroke, 2012, 43, 1561-1566.	2.0	72

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37	Whole-Brain Arterial Spin Labeling Perfusion MRI in Patients With Acute Stroke. <i>Stroke</i> , 2012, 43, 1290-1294.	2.0	96
38	A Pragmatic Approach Using Magnetic Resonance Imaging to Treat Ischemic Strokes of Unknown Onset Time in a Thrombolytic Trial. <i>Stroke</i> , 2012, 43, 2331-2335.	2.0	43
39	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, 350-355.	2.0	18
40	MRI profile and response to endovascular reperfusion after stroke (DEFUSE 2): a prospective cohort study. <i>Lancet Neurology</i> , The, 2012, 11, 860-867.	10.2	718
41	Development, Expansion, and Use of a Stroke Clinical Trials Resource for Novel Exploratory Analyses. <i>International Journal of Stroke</i> , 2012, 7, 133-138.	5.9	75
42	Stroke Imaging Research Road Map. <i>Neuroimaging Clinics of North America</i> , 2011, 21, 239-245.	1.0	7
43	Magnetic Resonance Imaging of Cerebrovascular Diseases. , 2011, , 882-909.		1
44	DWI-FLAIR mismatch for the identification of patients with acute ischaemic stroke within 4-5 h of symptom onset (PRE-FLAIR): a multicentre observational study. <i>Lancet Neurology</i> , The, 2011, 10, 978-986.	10.2	468
45	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.	4.4	21
46	Stromal-Derived Factor-1 \pm Correlates With Circulating Endothelial Progenitor Cells and With Acute Lesion Volume in Stroke Patients. <i>Stroke</i> , 2011, 42, 618-625.	2.0	67
47	Visual Perfusion-Diffusion Mismatch Is Equivalent to Quantitative Mismatch. <i>Stroke</i> , 2011, 42, 1010-1014.	2.0	18
48	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, 827-836.	4.3	45
49	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, 1188-1199.	4.3	44
50	Blood-Brain Barrier Disruption in Humans Is Independently Associated With Increased Matrix Metalloproteinase-9. <i>Stroke</i> , 2010, 41, e123-8.	2.0	181
51	Imaging of acute stroke. <i>Nature Reviews Neurology</i> , 2010, 6, 560-571.	10.1	123
52	Optimizing Stroke Clinical Trial Design. <i>Stroke</i> , 2010, 41, 2236-2238.	2.0	2
53	Recommendations for Imaging of Acute Ischemic Stroke. <i>Stroke</i> , 2009, 40, 3646-3678.	2.0	394
54	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> , The, 2009, 8, 141-150.	10.2	526

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55	Measurement of glutathione in normal volunteers and stroke patients at 3T using J&Cdifference spectroscopy with minimized subtraction errors. Journal of Magnetic Resonance Imaging, 2009, 30, 263-270.	3.4	37
56	Cerebral microbleeds: a guide to detection and interpretation. Lancet Neurology, The, 2009, 8, 165-174.	10.2	1,503
57	Verification of Enhancement of the CSF Space, not Parenchyma, in Acute Stroke Patients with Early Blood&CBrain Barrier Disruption. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 882-886.	4.3	33
58	Thrombolytic Toxicity: Blood Brain Barrier Disruption in Human Ischemic Stroke. Cerebrovascular Diseases, 2008, 25, 338-343.	1.7	110
59	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.	2.0	35
60	Establishing Final Infarct Volume. Stroke, 2008, 39, 2765-2768.	2.0	79
61	Reperfusion Half-Life. Stroke, 2008, 39, 2148-2150.	2.0	19
62	Reperfusion-Associated Hemorrhagic Transformation in SHR Rats. Stroke, 2008, 39, 3405-3410.	2.0	32
63	The Virtual International Stroke Trials Archive. Stroke, 2007, 38, 1905-1910.	2.0	101
64	CT-NIHSS Mismatch Does Not Correlate With MRI Diffusion-Perfusion Mismatch. Stroke, 2007, 38, 2079-2084.	2.0	23
65	Lesion Volume Change After Treatment With Tissue Plasminogen Activator Can Discriminate Clinical Responders From Nonresponders. Stroke, 2007, 38, 2919-2923.	2.0	29
66	Mismatch and Defuse. Stroke, 2007, 38, 1718-1719.	2.0	7
67	Validation of an Acute Ischemic Stroke Model. Stroke, 2007, 38, 1820-1825.	2.0	95
68	Magnetic resonance imaging and computed tomography in emergency assessment of patients with suspected acute stroke: a prospective comparison. Lancet, The, 2007, 369, 293-298.	13.7	1,033
69	MRI versus CT in acute stroke &CAuthors' reply. Lancet, The, 2007, 369, 1342.	13.7	0
70	The association between neurological deficit in acute ischemic stroke and mean transit time. Neuroradiology, 2006, 48, 69-77.	2.2	29
71	Advances in Imaging 2005. Stroke, 2006, 37, 297-298.	2.0	7
72	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.	2.0	76

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73	Silent Ischemic Lesion Recurrence on Magnetic Resonance Imaging Predicts Subsequent Clinical Vascular Events. Archives of Neurology, 2006, 63, 1730.	4.5	52
74	Dose Escalation of Desmoteplase for Acute Ischemic Stroke (DEDAS). Stroke, 2006, 37, 1227-1231.	2.0	511
75	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.	1.7	51
76	The Desmoteplase in Acute Ischemic Stroke Trial (DIAS). Stroke, 2005, 36, 66-73.	2.0	980
77	Imaging. Stroke, 2005, 36, 196-199.	2.0	11
78	MRI Screening Before Standard Tissue Plasminogen Activator Therapy Is Feasible and Safe. Stroke, 2005, 36, 1939-1943.	2.0	89
79	Seeing the Brain So We Can Save It: The Evolution of Magnetic Resonance Imaging as a Clinical Tool. , 2005, , 3-19.		0
80	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.	2.4	124
81	Neuroimaging. Stroke, 2004, 35, 351-353.	2.0	11
82	Comparison of MRI and CT for Detection of Acute Intracerebral Hemorrhage. JAMA - Journal of the American Medical Association, 2004, 292, 1823.	7.4	661
83	More Accurate Identification of Reversible Ischemic Injury in Human Stroke by Cerebrospinal Fluid Suppressed Diffusion-Weighted Imaging. Stroke, 2004, 35, 1100-1106.	2.0	32
84	The redefinition of TIA. Neurology, 2004, 62, 359-360.	1.1	44
85	Rising statin use and effect on ischemic stroke outcome. BMC Medicine, 2004, 2, 4.	5.5	61
86	Therapeutic time window of thrombolytic therapy following stroke. Current Atherosclerosis Reports, 2004, 6, 288-294.	4.8	32
87	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.	5.3	133
88	Early bloodâ€‘brain barrier disruption in human focal brain ischemia. Annals of Neurology, 2004, 56, 468-477.	5.3	408
89	Evidence of Reperfusion Injury, Exacerbated by Thrombolytic Therapy, in Human Focal Brain Ischemia Using a Novel Imaging Marker of Early Bloodâ€‘Brain Barrier Disruption. Stroke, 2004, 35, 2659-2661.	2.0	344
90	Update on stroke. Current Opinion in Neurology, 2004, 17, 447-451.	3.6	26

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91	Early ischemic lesion recurrence within a week after acute ischemic stroke. <i>Annals of Neurology</i> , 2003, 54, 66-74.	5.3	160
92	Reversal of Perfusion and Diffusion Abnormalities After Intravenous Thrombolysis for a Lacunar Infarction. <i>Journal of Neuroimaging</i> , 2003, 13, 152-154.	2.0	30
93	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.	0.5	88
94	Association of Ischemic Lesion Patterns on Early Diffusion-Weighted Imaging With TOAST Stroke Subtypes. <i>Archives of Neurology</i> , 2003, 60, 1730.	4.5	256
95	Impact of Establishing a Primary Stroke Center at a Community Hospital on the Use of Thrombolytic Therapy. <i>Stroke</i> , 2003, 34, e55-7.	2.0	89
96	Editorial Comment—Is There a Perihematomal Ischemic Penumbra? More Questions and an Overlooked Clue. <i>Stroke</i> , 2003, 34, 1680-1680.	2.0	12
97	Trial Design and Reporting Standards for Intra-Arterial Cerebral Thrombolysis for Acute Ischemic Stroke. <i>Stroke</i> , 2003, 34, e109-37.	2.0	1,242
98	Acute Ischemic Cerebrovascular Syndrome. <i>Stroke</i> , 2003, 34, 2995-2998.	2.0	161
99	Measurement of the Ischemic Penumbra With MRI: It's About Time. <i>Stroke</i> , 2003, 34, 2533-2534.	2.0	77
100	The importance of specific diagnosis in stroke patient management. , 2003, , 1-14.		2
101	Limitations of current brain imaging modalities in stroke. , 2003, , 15-30.		1
102	Stroke MRI in intracranial hemorrhage. , 2003, , 103-112.		1
103	Localization of stroke syndromes using diffusion-weighted MR imaging (DWI). , 2003, , 121-134.		0
104	Perfusion imaging with arterial spin labelling. , 2003, , 161-174.		1
105	Clinical role of echoplanar MRI in stroke. , 2003, , 175-190.		1
106	New MR techniques to select patients for thrombolysis in acute stroke. , 2003, , 207-222.		0
107	MRI as a tool in stroke drug development. , 2003, , 223-232.		0
108	Functional MRI and stroke. , 2003, , 251-262.		0

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109	Stroke Neuroimaging. Stroke, 2003, 34, 345-347.	2.0	29
110	Stroke MRI. , 2003, , .		7
111	Reversal of Perfusion and Diffusion Abnormalities After Intravenous Thrombolysis for a Lacunar Infarction. , 2003, 13, 152-154.		15
112	Stroke Imaging/Diffusionâ€“Perfusion MRI. , 2003, , 400-403.		0
113	Reversal of perfusion and diffusion abnormalities after intravenous thrombolysis for a lacunar infarction. , 2003, 13, 152-4.		8
114	Significance of Early CT Signs in Acute Stroke. Cerebrovascular Diseases, 2002, 13, 47-56.	1.7	45
115	Oral Citicoline in Acute Ischemic Stroke. Stroke, 2002, 33, 2850-2857.	2.0	205
116	Magnetic resonance imaging in stroke trials. , 2002, , 339-352.		1
117	Thrombolysis in stroke beyond three hours: Targeting patients with diffusion and perfusion MRI. Annals of Neurology, 2002, 51, 11-13.	5.3	64
118	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.	3.0	57
119	A three-item scale for the early prediction of stroke recovery. Lancet, The, 2001, 357, 2095-2099.	13.7	205
120	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.	4.5	61
121	Use of diffusion and perfusion magnetic resonance imaging as a tool in acute stroke clinical trials. Current Controlled Trials in Cardiovascular Medicine, 2001, 2, 38-44.	1.5	40
122	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.	4.5	113
123	Clinical Correlations of Diffusion and Perfusion Lesion Volumes in Acute Ischemic Stroke. Cerebrovascular Diseases, 2000, 10, 441-448.	1.7	95
124	MRI Features of Intracerebral Hemorrhage Within 2 Hours From Symptom Onset. Stroke, 1999, 30, 2263-2267.	2.0	299
125	Schizophrenic subjects activate dorsolateral prefrontal cortex during a working memory task, as measured by fMRI. Biological Psychiatry, 1999, 45, 1128-1137.	1.3	360
126	Imaging developing brain infarction. Current Opinion in Neurology, 1999, 12, 65-71.	3.6	19

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127	Magnetic Resonance Imaging of Acute Stroke. Journal of Cerebral Blood Flow and Metabolism, 1998, 18, 583-609.	4.3	533
128	A general kinetic model for quantitative perfusion imaging with arterial spin labeling. Magnetic Resonance in Medicine, 1998, 40, 383-396.	3.0	1,067
129	A Phantom for diffusion-weighted imaging of acute stroke. Journal of Magnetic Resonance Imaging, 1998, 8, 1349-1354.	3.4	75
130	Comparison of EPISTAR and T sub 2 *-weighted gadolinium-enhanced perfusion imaging in patients with acute cerebral ischemia. Neurology, 1997, 48, 673-679.	1.1	101
131	Prefrontal cortex fMRI signal changes are correlated with working memory load. NeuroReport, 1997, 8, 545-549.	1.2	259
132	Enlargement of human cerebral ischemic lesion volumes measured by diffusion-weighted magnetic resonance imaging. Annals of Neurology, 1997, 41, 581-589.	5.3	532
133	Ischemic lesion volumes in acute stroke by diffusion-weighted magnetic resonance imaging correlate with clinical outcome. Annals of Neurology, 1997, 42, 164-170.	5.3	419
134	STAR-HASTE: Perfusion imaging without magnetic susceptibility artifact. Magnetic Resonance in Medicine, 1997, 38, 404-408.	3.0	51
135	STAR MR Angiography for Rapid Detection of Vascular Abnormalities in Patients With Acute Cerebrovascular Disease. Stroke, 1997, 28, 1211-1215.	2.0	8
136	Cortical Activation in the Human Brain during Lateral Saccades Using EPISTAR Functional Magnetic Resonance Imaging. Neurolmage, 1996, 3, 53-62.	4.2	91
137	Comparison of the BOLD- and EPISTAR-technique for functional brain imaging by using signal detection theory. Magnetic Resonance in Medicine, 1996, 36, 249-255.	3.0	37
138	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.	4.3	484
139	Detection of Hyperacute Primary Intraparenchymal Hemorrhage by Magnetic Resonance Imaging. Stroke, 1996, 27, 2321-2324.	2.0	205
140	Acute human stroke studied by whole brain echo planar diffusion-weighted magnetic resonance imaging. Annals of Neurology, 1995, 37, 231-241.	5.3	1,012
141	Review : Mapping Brain Pathophysiology and Higher Cortical Function with Magnetic Resonance Imaging. Neuroscientist, 1995, 1, 221-235.	3.5	4
142	Decreases in Frontal and Parietal Lobe Regional Cerebral Blood Flow Related to Habituation. Journal of Cerebral Blood Flow and Metabolism, 1992, 12, 546-553.	4.3	51
143	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.	4.3	46
144	A cognitive-motor network demonstrated by positron emission tomography. Neuropsychologia, 1983, 21, 601-606.	1.6	56