

# 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	Should Primary Stroke Centers Perform Advanced Imaging?. Stroke, 2022, 53, 1423-1430.	1.0	4
2	SELECTION criteria for large core trials: dogma or data?. Journal of NeuroInterventional Surgery, 2021, 13, 500-504.	2.0	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.	0.7	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.	6.3	107
5	Reversible diffusion-weighted imaging lesions in acute ischemic stroke. Neurology, 2020, 94, 571-587.	1.5	49
6	End of life. Neurology, 2019, 93, 10.1212/WNL.0000000000008356.	1.5	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.	0.9	8
8	Patients with large brain infarcts might also benefit from thrombectomy. Lancet Neurology, The, 2019, 18, 22-23.	4.9	0
9	Intravenous thrombolysis in unwitnessed stroke onset: MR WITNESS trial results. Annals of Neurology, 2018, 83, 980-993.	2.8	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.	1.1	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.	0.8	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.	1.7	32
13	Translational Stroke Research. Stroke, 2017, 48, 2632-2637.	1.0	108
14	Stroke Treatment Academic Industry Roundtable Recommendations for Individual Data Pooling Analyses in Stroke. Stroke, 2016, 47, 2154-2159.	1.0	13
15	Silent new ischemic lesions after index stroke and the risk of future clinical recurrent stroke. Neurology, 2016, 86, 277-285.	1.5	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.	1.4	26
18	Prehospital Thrombolysis for Stroke. JAMA Neurology, 2015, 72, 9.	4.5	8

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19	Imaging in StrokeNet. <i>Stroke</i> , 2015, 46, 2000-2006.	1.0	25
20	A Genomic Profile of the Immune Response to Stroke With Implications for Stroke Recovery. <i>Biological Research for Nursing</i> , 2015, 17, 248-256.	1.0	24
21	Magnetic Resonance Imaging in Acute Ischemic Stroke Treatment. <i>Journal of Stroke</i> , 2014, 16, 131.	1.4	111
22	Assessing Reperfusion With Whole-Brain Arterial Spin Labeling. <i>Stroke</i> , 2014, 45, 456-461.	1.0	27
23	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, 347-355.	2.8	46
24	Association Between Neurologic Improvement With Decline in Blood Pressure and Recanalization in Stroke. <i>JAMA Neurology</i> , 2014, 71, 1555.	4.5	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. <i>Stroke</i> , 2014, 45, 3583-3588.	1.0	36
26	Multi-center prediction of hemorrhagic transformation in acute ischemic stroke using permeability imaging features. <i>Magnetic Resonance Imaging</i> , 2013, 31, 961-969.	1.0	43
27	Predictors of Acute Stroke Mimics in 8187 Patients Referred to a Stroke Service. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2013, 22, e397-e403.	0.7	132
28	Negative Diffusion-Weighted Imaging After Intravenous Tissue-Type Plasminogen Activator is Rare and Unlikely to Indicate Averted Infarction. <i>Stroke</i> , 2013, 44, 1629-1634.	1.0	29
29	Recommendations on Angiographic Revascularization Grading Standards for Acute Ischemic Stroke. <i>Stroke</i> , 2013, 44, 2650-2663.	1.0	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. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 76-84.	2.4	46
31	Accuracy and Reliability Assessment of CT and MR Perfusion Analysis Software Using a Digital Phantom. <i>Radiology</i> , 2013, 267, 201-211.	3.6	131
32	Pilot Results of <i>in Vivo</i> Brain Glutathione Measurements in Stroke Patients. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 2118-2121.	2.4	7
33	Standardizing the Structure of Stroke Clinical and Epidemiologic Research Data. <i>Stroke</i> , 2012, 43, 967-973.	1.0	130
34	Refinement of the Magnetic Resonance Diffusion-Perfusion Mismatch Concept for Thrombolytic Patient Selection. <i>Stroke</i> , 2012, 43, 2313-2318.	1.0	54
35	Pseudocontinuous Arterial Spin Labeling Quantifies Relative Cerebral Blood Flow in Acute Stroke. <i>Stroke</i> , 2012, 43, 753-758.	1.0	41
36	Vascular Occlusion Enables Selecting Acute Ischemic Stroke Patients for Treatment With Desmoteplase. <i>Stroke</i> , 2012, 43, 1561-1566.	1.0	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.	1.0	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.	1.0	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.	1.0	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.	4.9	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.	2.9	75
42	Stroke Imaging Research Road Map. <i>Neuroimaging Clinics of North America</i> , 2011, 21, 239-245.	0.5	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.	4.9	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.	1.8	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.	1.0	67
47	Visual Perfusion-Diffusion Mismatch Is Equivalent to Quantitative Mismatch. <i>Stroke</i> , 2011, 42, 1010-1014.	1.0	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.	2.4	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.	2.4	44
50	Blood-Brain Barrier Disruption in Humans Is Independently Associated With Increased Matrix Metalloproteinase-9. <i>Stroke</i> , 2010, 41, e123-8.	1.0	181
51	Imaging of acute stroke. <i>Nature Reviews Neurology</i> , 2010, 6, 560-571.	4.9	123
52	Optimizing Stroke Clinical Trial Design. <i>Stroke</i> , 2010, 41, 2236-2238.	1.0	2
53	Recommendations for Imaging of Acute Ischemic Stroke. <i>Stroke</i> , 2009, 40, 3646-3678.	1.0	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.	4.9	526

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55	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
56	Cerebral microbleeds: a guide to detection and interpretation. Lancet Neurology, The, 2009, 8, 165-174.	4.9	1,503
57	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
58	Thrombolytic Toxicity: Blood Brain Barrier Disruption in Human Ischemic Stroke. Cerebrovascular Diseases, 2008, 25, 338-343.	0.8	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.	1.0	35
60	Establishing Final Infarct Volume. Stroke, 2008, 39, 2765-2768.	1.0	79
61	Reperfusion Half-Life. Stroke, 2008, 39, 2148-2150.	1.0	19
62	Reperfusion-Associated Hemorrhagic Transformation in SHR Rats. Stroke, 2008, 39, 3405-3410.	1.0	32
63	The Virtual International Stroke Trials Archive. Stroke, 2007, 38, 1905-1910.	1.0	101
64	CT-NIHSS Mismatch Does Not Correlate With MRI Diffusion-Perfusion Mismatch. Stroke, 2007, 38, 2079-2084.	1.0	23
65	Lesion Volume Change After Treatment With Tissue Plasminogen Activator Can Discriminate Clinical Responders From Nonresponders. Stroke, 2007, 38, 2919-2923.	1.0	29
66	Mismatch and Defuse. Stroke, 2007, 38, 1718-1719.	1.0	7
67	Validation of an Acute Ischemic Stroke Model. Stroke, 2007, 38, 1820-1825.	1.0	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.	6.3	1,033
69	MRI versus CT in acute stroke â€ Authors' reply. Lancet, The, 2007, 369, 1342.	6.3	0
70	The association between neurological deficit in acute ischemic stroke and mean transit time. Neuroradiology, 2006, 48, 69-77.	1.1	29
71	Advances in Imaging 2005. Stroke, 2006, 37, 297-298.	1.0	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.	1.0	76

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73	Silent Ischemic Lesion Recurrence on Magnetic Resonance Imaging Predicts Subsequent Clinical Vascular Events. <i>Archives of Neurology</i> , 2006, 63, 1730.	4.9	52
74	Dose Escalation of Desmoteplase for Acute Ischemic Stroke (DEDAS). <i>Stroke</i> , 2006, 37, 1227-1231.	1.0	511
75	Effect of the Glycine Antagonist Gavestinel on Cerebral Infarcts in Acute Stroke Patients, a Randomized Placebo-Controlled Trial: The GAIN MRI Substudy. <i>Cerebrovascular Diseases</i> , 2006, 21, 106-111.	0.8	51
76	The Desmoteplase in Acute Ischemic Stroke Trial (DIAS). <i>Stroke</i> , 2005, 36, 66-73.	1.0	980
77	Imaging. <i>Stroke</i> , 2005, 36, 196-199.	1.0	11
78	MRI Screening Before Standard Tissue Plasminogen Activator Therapy Is Feasible and Safe. <i>Stroke</i> , 2005, 36, 1939-1943.	1.0	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. <i>American Journal of Neuroradiology</i> , 2005, 26, 618-24.	1.2	124
81	Neuroimaging. <i>Stroke</i> , 2004, 35, 351-353.	1.0	11
82	Comparison of MRI and CT for Detection of Acute Intracerebral Hemorrhage. <i>JAMA - Journal of the American Medical Association</i> , 2004, 292, 1823.	3.8	661
83	More Accurate Identification of Reversible Ischemic Injury in Human Stroke by Cerebrospinal Fluid Suppressed Diffusion-Weighted Imaging. <i>Stroke</i> , 2004, 35, 1100-1106.	1.0	32
84	The redefinition of TIA. <i>Neurology</i> , 2004, 62, 359-360.	1.5	44
85	Rising statin use and effect on ischemic stroke outcome. <i>BMC Medicine</i> , 2004, 2, 4.	2.3	61
86	Therapeutic time window of thrombolytic therapy following stroke. <i>Current Atherosclerosis Reports</i> , 2004, 6, 288-294.	2.0	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. <i>Annals of Neurology</i> , 2004, 55, 105-112.	2.8	133
88	Early blood-brain barrier disruption in human focal brain ischemia. <i>Annals of Neurology</i> , 2004, 56, 468-477.	2.8	408
89	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, 2659-2661.	1.0	344
90	Update on stroke. <i>Current Opinion in Neurology</i> , 2004, 17, 447-451.	1.8	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.	2.8	160
92	Reversal of Perfusion and Diffusion Abnormalities After Intravenous Thrombolysis for a Lacunar Infarction. <i>Journal of Neuroimaging</i> , 2003, 13, 152-154.	1.0	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.	0.2	88
94	Association of Ischemic Lesion Patterns on Early Diffusion-Weighted Imaging With TOAST Stroke Subtypes. <i>Archives of Neurology</i> , 2003, 60, 1730.	4.9	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.	1.0	89
96	Editorial Comment—Is There a Perihematomal Ischemic Penumbra? More Questions and an Overlooked Clue. <i>Stroke</i> , 2003, 34, 1680-1680.	1.0	12
97	Trial Design and Reporting Standards for Intra-Arterial Cerebral Thrombolysis for Acute Ischemic Stroke. <i>Stroke</i> , 2003, 34, e109-37.	1.0	1,242
98	Acute Ischemic Cerebrovascular Syndrome. <i>Stroke</i> , 2003, 34, 2995-2998.	1.0	161
99	Measurement of the Ischemic Penumbra With MRI: It's About Time. <i>Stroke</i> , 2003, 34, 2533-2534.	1.0	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.	1.0	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.	0.8	45
115	Oral Citicoline in Acute Ischemic Stroke. Stroke, 2002, 33, 2850-2857.	1.0	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.	2.8	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.	1.9	57
119	A three-item scale for the early prediction of stroke recovery. Lancet, The, 2001, 357, 2095-2099.	6.3	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.	4.9	61
121	Use of diffusion and perfusion magnetic resonance imaging as a tool in acute stroke clinical trials. , 2001, 2, 38.		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.	4.9	113
123	Clinical Correlations of Diffusion and Perfusion Lesion Volumes in Acute Ischemic Stroke. Cerebrovascular Diseases, 2000, 10, 441-448.	0.8	95
124	MRI Features of Intracerebral Hemorrhage Within 2 Hours From Symptom Onset. Stroke, 1999, 30, 2263-2267.	1.0	299
125	Schizophrenic subjects activate dorsolateral prefrontal cortex during a working memory task, as measured by fMRI. Biological Psychiatry, 1999, 45, 1128-1137.	0.7	360
126	Imaging developing brain infarction. Current Opinion in Neurology, 1999, 12, 65-71.	1.8	19



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127	Magnetic Resonance Imaging of Acute Stroke. Journal of Cerebral Blood Flow and Metabolism, 1998, 18, 583-609.	2.4	533
128	A general kinetic model for quantitative perfusion imaging with arterial spin labeling. Magnetic Resonance in Medicine, 1998, 40, 383-396.	1.9	1,067
129	A Phantom for diffusion-weighted imaging of acute stroke. Journal of Magnetic Resonance Imaging, 1998, 8, 1349-1354.	1.9	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.	1.5	101
131	Prefrontal cortex fMRI signal changes are correlated with working memory load. NeuroReport, 1997, 8, 545-549.	0.6	259
132	Enlargement of human cerebral ischemic lesion volumes measured by diffusion-weighted magnetic resonance imaging. Annals of Neurology, 1997, 41, 581-589.	2.8	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.	2.8	419
134	STAR-HASTE: Perfusion imaging without magnetic susceptibility artifact. Magnetic Resonance in Medicine, 1997, 38, 404-408.	1.9	51
135	STAR MR Angiography for Rapid Detection of Vascular Abnormalities in Patients With Acute Cerebrovascular Disease. Stroke, 1997, 28, 1211-1215.	1.0	8
136	Cortical Activation in the Human Brain during Lateral Saccades Using EPISTAR Functional Magnetic Resonance Imaging. NeuroImage, 1996, 3, 53-62.	2.1	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.	1.9	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.	2.4	484
139	Detection of Hyperacute Primary Intraparenchymal Hemorrhage by Magnetic Resonance Imaging. Stroke, 1996, 27, 2321-2324.	1.0	205
140	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
141	Review : Mapping Brain Pathophysiology and Higher Cortical Function with Magnetic Resonance Imaging. Neuroscientist, 1995, 1, 221-235.	2.6	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.	2.4	51
143	The Reproducibility of the <sup>133</sup> Xe 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
144	A cognitive-motor network demonstrated by positron emission tomography. Neuropsychologia, 1983, 21, 601-606.	0.7	56