

RÃ¼diger J Seitz

List of Publications by Year in descending order

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127
papers

5,577
citations

94433

37
h-index

88630

70
g-index

131
all docs

131
docs citations

131
times ranked

5067
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of the Premotor Cortex in Recovery From Middle Cerebral Artery Infarction. Archives of Neurology, 1998, 55, 1081.	4.5	362
2	Remote changes in cortical excitability after stroke. Brain, 2003, 126, 470-481.	7.6	316
3	Learning of Sequential Finger Movements in Man: A Combined Kinematic and Positron Emission Tomography (PET) Study. European Journal of Neuroscience, 1992, 4, 154-165.	2.6	310
4	Large-scale plasticity of the human motor cortex. NeuroReport, 1995, 6, 742-744.	1.2	220
5	Relationship Between Interhemispheric Inhibition and Motor Cortex Excitability in Subacute Stroke Patients. Neurorehabilitation and Neural Repair, 2008, 22, 4-21.	2.9	219
6	Neural correlates of religious experience. European Journal of Neuroscience, 2001, 13, 1649-1652.	2.6	194
7	Functional modularity of the medial prefrontal cortex: Involvement in human empathy.. Neuropsychology, 2006, 20, 743-751.	1.3	176
8	Somatosensory Discrimination of Shape: Tactile Exploration and Cerebral Activation. European Journal of Neuroscience, 1991, 3, 481-492.	2.6	160
9	A fronto-parietal circuit for tactile object discrimination:. NeuroImage, 2003, 19, 1103-1114.	4.2	154
10	Precentral Glioma Location Determines the Displacement of Cortical Hand Representation. Neurosurgery, 1998, 42, 18-27.	1.1	150
11	Multimodal output mapping of human central motor representation on different spatial scales. Journal of Physiology, 1998, 512, 163-179.	2.9	114
12	Representations of Graphomotor Trajectories in the Human Parietal Cortex: Evidence for Controlled Processing and Automatic Performance. European Journal of Neuroscience, 1997, 9, 378-389.	2.6	110
13	MR Imaging in Acute Stroke: Diffusion-weighted and Perfusion Imaging Parameters for Predicting Infarct Size. Radiology, 2002, 222, 397-403.	7.3	108
14	Systemic Thrombolysis With Recombinant Tissue Plasminogen Activator and Tirofiban in Acute Middle Cerebral Artery Occlusion. Stroke, 2004, 35, 705-709.	2.0	86
15	Delayed Shrinkage of the Brain After Ischemic Stroke: Preliminary Observations With Voxelâ€Guided Morphometry. Journal of Neuroimaging, 2004, 14, 265-272.	2.0	81
16	Modulation of the BOLD-response in early recovery from sensorimotor stroke. Neurology, 2004, 63, 1223-1229.	1.1	80
17	Bilateral reductions of hippocampal volume, glucose metabolism, and Wada hemispheric memory performance are related to the duration of mesial temporal lobe epilepsy. Journal of Neurology, 1999, 246, 926-933.	3.6	79
18	Post-lesional cerebral reorganisation: Evidence from functional neuroimaging and transcranial magnetic stimulation. Journal of Physiology (Paris), 2006, 99, 437-454.	2.1	76

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19	Thrombolysis With Recombinant Tissue Plasminogen Activator and Tirofiban in Stroke. <i>Stroke</i> , 2003, 34, 1932-1935.	2.0	75
20	The blood-nerve barrier in Wallerian degeneration: A sequential long-term study. <i>Muscle and Nerve</i> , 1989, 12, 627-635.	2.2	74
21	Cytoarchitecture, probability maps, and functions of the human supplementary and pre-supplementary motor areas. <i>Brain Structure and Function</i> , 2018, 223, 4169-4186.	2.3	74
22	Value judgments and self-control of action: The role of the medial frontal cortex. <i>Brain Research Reviews</i> , 2009, 60, 368-378.	9.0	71
23	Functional Neuroimaging in Stroke Recovery and Neurorehabilitation: Conceptual Issues and Perspectives. <i>International Journal of Stroke</i> , 2007, 2, 245-264.	5.9	69
24	Cerebral network underlying unilateral motor neglect: evidence from positron emission tomography. <i>Journal of the Neurological Sciences</i> , 1994, 125, 29-38.	0.6	60
25	Bleeding Risk of Tirofiban, a Nonpeptide GPIIb/IIIa Platelet Receptor Antagonist in Progressive Stroke: An Open Pilot Study. <i>Cerebrovascular Diseases</i> , 2001, 12, 308-312.	1.7	59
26	RESEARCH: "Religious Experience and Emotion: Evidence for Distinctive Cognitive Neural Patterns". <i>International Journal for the Psychology of Religion, The</i> , 2005, 15, 263-281.	2.1	54
27	Antagonizing dabigatran by idarucizumab in cases of ischemic stroke or intracranial hemorrhage in Germanyâ€”Updated series of 120 cases. <i>International Journal of Stroke</i> , 2020, 15, 609-618.	5.9	54
28	Control of action as mediated by the human frontal lobe. <i>Experimental Brain Research</i> , 2000, 133, 71-80.	1.5	53
29	The encoding of saccadic eye movements within human posterior parietal cortex. <i>NeuroImage</i> , 2004, 22, 304-314.	4.2	53
30	Hemispheric dissociation of visual-pattern processing and visual rotation. <i>Behavioural Brain Research</i> , 2002, 136, 533-544.	2.2	52
31	Delayed Shrinkage of the Brain After Ischemic Stroke: Preliminary Observations With Voxel-Guided Morphometry. , 2004, 14, 265-272.		50
32	Mental practice improves hand function after hemiparetic stroke. <i>Restorative Neurology and Neuroscience</i> , 2007, 25, 501-11.	0.7	50
33	Development of brain infarct volume as assessed by magnetic resonance imaging (MRI): Follow-up of diffusion-weighted MRI lesions. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 20, 201-207.	3.4	49
34	Recovery Potential After Acute Stroke. <i>Frontiers in Neurology</i> , 2015, 6, 238.	2.4	49
35	From Believing to Belief: A General Theoretical Model. <i>Journal of Cognitive Neuroscience</i> , 2018, 30, 1254-1264.	2.3	49
36	Individual somatotopy of primary sensorimotor cortex revealed by intermodal matching of MEG, PET, and MRI. <i>Brain Topography</i> , 1992, 5, 183-187.	1.8	47

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37	Interaction of visual hemifield and body view in biological motion perception. <i>European Journal of Neuroscience</i> , 2008, 27, 514-522.	2.6	47
38	Belief formation – A driving force for brain evolution. <i>Brain and Cognition</i> , 2020, 140, 105548.	1.8	44
39	Initial Ischemic Event: Perfusion-weighted MR Imaging and Apparent Diffusion Coefficient for Stroke Evolution. <i>Radiology</i> , 2005, 237, 1020-1028.	7.3	42
40	Restoring Neuronal Function After Stroke by Cell Replacement. <i>Stroke</i> , 2011, 42, 2342-2350.	2.0	41
41	Processes of believing – a review and conceptual account. <i>Reviews in the Neurosciences</i> , 2012, 23, 303-9.	2.9	41
42	Models and Neural Bases of the Believing Process. <i>Journal of Behavioral and Brain Science</i> , 2015, 05, 12-23.	0.5	40
43	On the neural networks of empathy: A principal component analysis of an fMRI study. <i>Behavioral and Brain Functions</i> , 2008, 4, 41.	3.3	38
44	Remote depressions of cerebral metabolism in hemiparetic stroke: Topography and relation to motor and somatosensory functions. <i>Human Brain Mapping</i> , 1994, 1, 81-100.	3.6	37
45	Neural correlates of visuospatial imagery. <i>Behavioural Brain Research</i> , 2002, 131, 163-168.	2.2	37
46	Treatment of Acute Basilar Artery Thrombosis with a Combination of Systemic Alteplase and Tirofiban, a Nonpeptide Platelet Glycoprotein IIb/IIIa Inhibitor: Report of Four Cases. <i>Radiology</i> , 2001, 221, 795-801.	7.3	36
47	Individual Integration of Positron Emission Tomography and High-Resolution Magnetic Resonance Imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1992, 12, 919-926.	4.3	35
48	Functional clusters in the human parietal cortex as revealed by an observer-independent meta-analysis of functional activation studies. <i>Anatomy and Embryology</i> , 2005, 210, 463-472.	1.5	34
49	Alexithymia-like Disorder in Right Anterior Cingulate Infarction. <i>Neurocase</i> , 2007, 13, 201-208.	0.6	34
50	Role of neuroimaging in promoting long-term recovery from ischemic stroke. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 756-772.	3.4	32
51	Altered functional connectivity differs in stroke survivors with impaired touch sensation following left and right hemisphere lesions. <i>NeuroImage: Clinical</i> , 2018, 18, 342-355.	2.7	32
52	Normal Pressure Hydrocephalus Associated with Alzheimer's Disease. <i>Annals of Neurology</i> , 2020, 88, 703-711.	5.3	32
53	Identification of Task-Specific rCBF Changes in Individual Subjects. <i>Journal of Computer Assisted Tomography</i> , 1993, 17, 517-528.	0.9	30
54	Reorganisation of cerebral circuits in human ischemic brain disease. <i>Restorative Neurology and Neuroscience</i> , 2004, 22, 207-29.	0.7	30

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55	Beyond the lesion: neuroimaging foundations for post-stroke recovery. <i>Future Neurology</i> , 2013, 8, 507-527.	0.5	29
56	Enhanced regional cerebral metabolic interactions in thalamic circuitry predicts motor recovery in hemiparetic stroke. , 1996, 4, 240-253.		28
57	Pattern of Cortex and White Matter Involvement in Severe Middle Cerebral Artery Ischemia. <i>Journal of Neuroimaging</i> , 2007, 17, 131-140.	2.0	28
58	Effect of Repetitive Arm Cycling Following Botulinum Toxin Injection for Poststroke Spasticity: Evidence From fMRI. <i>Neurorehabilitation and Neural Repair</i> , 2010, 24, 753-762.	2.9	28
59	Mirror apraxia affects the peripersonal mirror space. A combined lesion and cerebral activation study. <i>Experimental Brain Research</i> , 2003, 153, 210-219.	1.5	27
60	Spontaneous arm movement activity assessed by accelerometry is a marker for early recovery after stroke. <i>Journal of Neurology</i> , 2011, 258, 457-463.	3.6	26
61	Activation of thalamus in motor imagery results from gating by hypnosis. <i>NeuroImage</i> , 2013, 66, 361-367.	4.2	26
62	Platelet GPIIb/IIIa Receptor Antagonists in Human Ischemic Brain Disease. <i>Current Vascular Pharmacology</i> , 2008, 6, 29-36.	1.7	25
63	Lesion patterns in successful and failed thrombolysis in middle cerebral artery stroke. <i>Neuroradiology</i> , 2009, 51, 865-871.	2.2	24
64	Same Interventionâ€“Different Reorganization. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 988-1000.	2.9	24
65	Brain Distortions in Patients with Primarily Generalized Tonic-Clonic Seizures. <i>Epilepsia</i> , 1998, 39, 364-370.	5.1	23
66	An fMRI study of brain activation in a visual adaptation task: activation limited to sensory guidance. <i>Experimental Brain Research</i> , 2008, 184, 561-569.	1.5	23
67	Psychology of religion and spirituality: meaning-making and processes of believing. <i>Religion, Brain and Behavior</i> , 2015, 5, 139-147.	0.7	23
68	Bimanual Recoupling by Visual Cueing in Callosal Disconnection. <i>Neurocase</i> , 2004, 10, 316-325.	0.6	22
69	Significance of the perfusionâ€“diffusion mismatch in chronic cerebral ischemia. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 771-778.	3.4	22
70	Posterior and prefrontal contributions to the development posttraumatic stress disorder symptom severity: an fMRI study of symptom provocation in acute stress disorder. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2017, 267, 495-505.	3.2	22
71	Functional Connectivity in Tactile Object Discriminationâ€“A Principal Component Analysis of an Event Related fMRI-Study. <i>PLoS ONE</i> , 2008, 3, e3831.	2.5	22
72	Processes of believing: Where do they come from? What are they good for?. <i>F1000Research</i> , 2016, 5, 2573.	1.6	21

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73	Association of Cerebrospinal Fluid S100B Protein with Core Biomarkers and Cognitive Deficits in Prodromal and Mild Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2019, 72, 1119-1127.	2.6	19
74	Partial rescue of the perfusion deficit area by thrombolysis. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 22, 199-205.	3.4	18
75	Failed Recovery from Thrombolysis Is Predicted by the Initial Diffusion Weighted Imaging Lesion. <i>Cerebrovascular Diseases</i> , 2011, 31, 580-587.	1.7	18
76	Stroke in patients with occlusion of the internal carotid artery: options for treatment. <i>Expert Review of Neurotherapeutics</i> , 2014, 14, 1153-1167.	2.8	18
77	Dynamic scanning of 15O-butanol with positron emission tomography can identify regional cerebral activations. , 1997, 5, 364-378.		17
78	Visual network activation in recovery from sensorimotor stroke. <i>Restorative Neurology and Neuroscience</i> , 1999, 14, 25-33.	0.7	17
79	Outcome after systemic thrombolysis is predicted by age and stroke severity: an open label experience with recombinant tissue plasminogen activator and tirofiban. <i>Neurology International</i> , 2012, 4, 9.	2.8	16
80	Modular organization of parietal lobe functions as revealed by functional activation studies. <i>Advances in Neurology</i> , 2003, 93, 281-92.	0.8	16
81	Cerebellar Hypometabolism in Focal Epilepsy Is Related to Age of Onset and Drug Intoxication. <i>Epilepsia</i> , 1996, 37, 1194-1199.	5.1	15
82	The Somatosensory System. , 2000, , 291-329.		15
83	Beliefs: A challenge in neuropsychological disorders. <i>Journal of Neuropsychology</i> , 2022, 16, 21-37.	1.4	14
84	Processes of believing: Where do they come from? What are they good for?. <i>F1000Research</i> , 2016, 5, 2573.	1.6	14
85	How imaging will guide rehabilitation. <i>Current Opinion in Neurology</i> , 2010, 23, 79-86.	3.6	13
86	An fMRI study of training voluntary smooth circular eye movements. <i>Experimental Brain Research</i> , 2017, 235, 819-831.	1.5	13
87	Perceptual influence on bimanual coordination: an fMRI study. <i>European Journal of Neuroscience</i> , 2009, 30, 116-124.	2.6	12
88	Believing and Beliefs's Neurophysiological Underpinnings. <i>Frontiers in Behavioral Neuroscience</i> , 2022, 16, 880504.	2.0	12
89	Temporal lobe epilepsy with sensory aura: interictal glucose hypometabolism. <i>Epilepsy Research</i> , 2000, 38, 139-149.	1.6	11
90	Cerebral networks in sensorimotor disturbances. <i>Brain Research Bulletin</i> , 2001, 54, 299-305.	3.0	11

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91	Violations of Expectations As Matter for the Believing Process. <i>Frontiers in Psychology</i> , 2017, 8, 772.	2.1	11
92	Believing is representation mediated by the dopamine brain system. <i>European Journal of Neuroscience</i> , 2019, 49, 1212-1214.	2.6	10
93	Reduced gray matter volume in the left prefrontal, occipital, and temporal regions as predictors for posttraumatic stress disorder: a voxel-based morphometric study. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2020, 270, 577-588.	3.2	10
94	Posterior Midline Activation during Symptom Provocation in Acute Stress Disorder: An fMRI Study. <i>Frontiers in Psychiatry</i> , 2014, 5, 49.	2.6	9
95	Role of the first and second person perspective for control of behaviour: Understanding other people's facial expressions. <i>Journal of Physiology (Paris)</i> , 2015, 109, 191-200.	2.1	9
96	Structural Connectivity Remote From Lesions Correlates With Somatosensory Outcome Poststroke. <i>Stroke</i> , 2021, 52, 2910-2920.	2.0	9
97	Recovery from ischemic stroke: a translational research perspective for neurology. <i>Future Neurology</i> , 2006, 1, 571-586.	0.5	8
98	Involvement of area MT in bimanual finger movements in left-handers: an fMRI study. <i>European Journal of Neuroscience</i> , 2011, 34, 1301-1309.	2.6	8
99	Anterior and posterior subareas of the dorsolateral frontal cortex in socially relevant decisions based on masked affect expressions. <i>F1000Research</i> , 2014, 3, 212.	1.6	8
100	Motor Recovery as Assessed with Isometric Finger Movements and Perfusion Magnetic Resonance Imaging after Acute Ischemic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2006, 20, 390-397.	2.9	7
101	Neural Plasticity as a Basis for Motor Learning and Neurorehabilitation. <i>Brain Impairment</i> , 2008, 9, 103-113.	0.7	7
102	Anterior and posterior subareas of the dorsolateral frontal cortex in socially relevant decisions based on masked affect expressions. <i>F1000Research</i> , 2014, 3, 212.	1.6	7
103	Neural networks engaged in tactile object manipulation: patterns of expression among healthy individuals. <i>Behavioral and Brain Functions</i> , 2010, 6, 71.	3.3	5
104	Reversal of Acute Spinal Cord Ischemia by Intravenous Thrombolysis. <i>Neurology: Clinical Practice</i> , 2021, 11, e975-e976.	1.6	5
105	Systemic Thrombolysis Based on CT or MRI Stroke Imaging. <i>Journal of Neuroimaging</i> , 2008, 18, 381-387.	2.0	4
106	Chapter 54 Imaging functional recovery from stroke. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2008, 94, 1097-1117.	1.8	4
107	Modular networks involving the medial frontal cortex: Towards the development of neuropsychiatry. <i>World Journal of Biological Psychiatry</i> , 2011, 12, 249-259.	2.6	4
108	Believing processes during the COVID-19 pandemic in individuals with bipolar disorder: An exploratory study. <i>World Journal of Psychiatry</i> , 2022, 12, 929-943.	2.7	4

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109	I know where you'll look: an fMRI study of oculomotor intention and a change of motor plan. Behavioral and Brain Functions, 2009, 5, 27.	3.3	3
110	Data-driven analyses of an fMRI study of a subject experiencing phosphenes. Journal of Magnetic Resonance Imaging, 2010, 31, 821-828.	3.4	3
111	Editorial: Principles Underlying Post-Stroke Recovery of Upper Extremity Sensorimotor Function – A Neuroimaging Perspective. Frontiers in Neurology, 2015, 6, 267.	2.4	3
112	Physiotherapy and Occupational Therapy in Acute Neurology. Neurology International Open, 2018, 2, E108-E117.	0.4	3
113	Cerebral reorganization after sensorimotor stroke. , 2005, , 88-123.		2
114	Assessment of Gadolinium Leakage Into Traumatic Spinal Cord Lesion Using Magnet Resonance Imaging. Spine, 2010, 35, E1604-E1609.	2.0	2
115	Beliefs and Believing as Possible Targets for Neuroscientific Research. New Approaches To the Scientific Study of Religion, 2017, , 69-81.	0.3	2
116	The process of believing and psychiatric symptoms. Religion, Brain and Behavior, 2020, 10, 184-191.	0.7	2
117	Deficient visuomotor hand coordination in normal pressure hydrocephalus. Journal of Neurology, 2021, 268, 2843-2850.	3.6	2
118	Statements of Believing involve Attribution. , 0, , .		2
119	Mapping of Human Brain Function by Neuroimaging Methods. , 0, , 79-110.		1
120	Anterior and posterior subareas of the dorsolateral frontal cortex in socially relevant decisions based on masked affect expressions. F1000Research, 0, 3, 212.	1.6	1
121	Structuring Credition. New Approaches To the Scientific Study of Religion, 2017, , 453-460.	0.3	1
122	Chapter 37 Neural correlates of cerebral plasticity after brain infarction. Supplements To Clinical Neurophysiology, 2002, , 248-252.	2.1	0
123	Cerebral networks in sensorimotor stroke. International Congress Series, 2002, 1226, 131-141.	0.2	0
124	The pros and cons of intravenous thrombolysis in stroke. Lancet Neurology, The, 2016, 15, 997-998.	10.2	0
125	Spontaneous Arm Movement Activity during Sleep in Epileptic and Non-Epileptic Patients. European Neurology, 2018, 80, 200-206.	1.4	0
126	Control of action as mediated by the human frontal lobe. , 2000, , 71-80.		0

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127	German Neurology in 1982: Society in Transition. <i>Annals of Neurology</i> , 2022, 91, 301-302.	5.3	0