

Claus Tempelmann

List of Publications by Citations

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36
papers

1,177
citations

17
h-index

34
g-index

38
ext. papers

1,359
ext. citations

5.9
avg, IF

3.77
L-index

#	Paper	IF	Citations
36	Delayed striate cortical activation during spatial attention. <i>Neuron</i> , 2002 , 35, 575-87	13.9	221
35	Lateralized auditory spatial perception and the contralaterality of cortical processing as studied with functional magnetic resonance imaging and magnetoencephalography. <i>Human Brain Mapping</i> , 1999 , 7, 49-66	5.9	144
34	Deconvolution of event-related fMRI responses in fast-rate experimental designs: tracking amplitude variations. <i>Journal of Cognitive Neuroscience</i> , 2000 , 12 Suppl 2, 76-89	3.1	97
33	The role of reward in word learning and its implications for language acquisition. <i>Current Biology</i> , 2014 , 24, 2606-11	6.3	96
32	Combining steady-state visual evoked potentials and fMRI to localize brain activity during selective attention. <i>Human Brain Mapping</i> , 1997 , 5, 287-92	5.9	80
31	Functional magnetic resonance imaging of a human auditory cortex area involved in foreground-background decomposition. <i>European Journal of Neuroscience</i> , 1998 , 10, 803-9	3.5	73
30	Laminar activity in the hippocampus and entorhinal cortex related to novelty and episodic encoding. <i>Nature Communications</i> , 2014 , 5, 5547	17.4	64
29	Interoception in insula subregions as a possible state marker for depression-an exploratory fMRI study investigating healthy, depressed and remitted participants. <i>Frontiers in Behavioral Neuroscience</i> , 2015 , 9, 82	3.5	43
28	Intrinsic monitoring of learning success facilitates memory encoding via the activation of the SN/VTA-Hippocampal loop. <i>ELife</i> , 2016 , 5,	8.9	40
27	Statistical methods in functional magnetic resonance imaging with respect to nonstationary time-series: auditory cortex activity. <i>Magnetic Resonance in Medicine</i> , 1997 , 38, 811-20	4.4	35
26	Endoscopic eye tracking system for fMRI. <i>Journal of Neuroscience Methods</i> , 2007 , 160, 10-5	3	34
25	Preceding attention and the dorsomedial prefrontal cortex: process specificity versus domain dependence. <i>Human Brain Mapping</i> , 2009 , 30, 312-26	5.9	33
24	Structural brain alterations in patients with lumbar disc herniation: a preliminary study. <i>PLoS ONE</i> , 2014 , 9, e90816	3.7	31
23	Audio-visual synchrony modulates the ventriloquist illusion and its neural/spatial representation in the auditory cortex. <i>NeuroImage</i> , 2014 , 98, 425-34	7.9	24
22	Online tracking of the contents of conscious perception using real-time fMRI. <i>Frontiers in Neuroscience</i> , 2014 , 8, 116	5.1	21
21	The role of auditory cortex in the spatial ventriloquism aftereffect. <i>NeuroImage</i> , 2017 , 162, 257-268	7.9	18
20	Popout modulates focal attention in the primary visual cortex. <i>NeuroImage</i> , 2004 , 22, 574-82	7.9	18

19	Increased functional connectivity between superior colliculus and brain regions implicated in bodily self-consciousness during the rubber hand illusion. <i>Human Brain Mapping</i> , 2015 , 36, 717-30	5.9	15
18	Lateralized processing of speech prosodies in the temporal cortex: a 3-T functional magnetic resonance imaging study. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 1997 , 5, 275-84 ^{2.8}	2.8	15
17	Delineation of the nucleus centre median by proton density weighted magnetic resonance imaging at 3 T. <i>Operative Neurosurgery</i> , 2010 , 66, ons-E121-ons-E123	1.6	11
16	Macroscopic information-based taste representations in insular cortex are shaped by stimulus concentration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 7409-7417	11.5	9
15	Activation of human auditory cortex in retrieval experiments: an fMRI study. <i>Neural Plasticity</i> , 1998 , 6, 69-75	3.3	9
14	How task demands shape brain responses to visual food cues. <i>Human Brain Mapping</i> , 2017 , 38, 2897-2913	3.9	8
13	A proof-of-principle study of multi-site real-time functional imaging at 3T and 7T: Implementation and validation. <i>Scientific Reports</i> , 2015 , 5, 8413	4.9	8
12	Changes in gray matter volume after microsurgical lumbar discectomy: a longitudinal analysis. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 12	3.3	7
11	The anterior insula channels prefrontal expectancy signals during affective processing. <i>NeuroImage</i> , 2019 , 200, 414-424	7.9	5
10	Increased Hippocampal Excitability and Altered Learning Dynamics Mediate Cognitive Mapping Deficits in Human Aging. <i>Journal of Neuroscience</i> , 2021 , 41, 3204-3221	6.6	5
9	Peripheral Nerve Imaging Aids in the Diagnosis of Immune-Mediated Neuropathies-A Case Series. <i>Diagnostics</i> , 2020 , 10,	3.8	4
8	7T MR neurography-ultrasound fusion for peripheral nerve imaging. <i>Muscle and Nerve</i> , 2020 , 61, 521-526	3.4	3
7	Decisions bias future choices by modifying hippocampal associative memories. <i>Nature Communications</i> , 2020 , 11, 3318	17.4	2
6	The anterior insula channels prefrontal expectancy signals during affective processing		1
5	Functional Dynamics of Deafferented Early Visual Cortex in Glaucoma. <i>Frontiers in Neuroscience</i> , 2021 , 15, 653632	5.1	1
4	Reinstatement of Cortical Outcome Representations during Higher-Order Learning. <i>Cerebral Cortex</i> , 2021 , 32, 93-109	5.1	1
3	Mapping Visual Field Defects With fMRI - Impact of Approach and Experimental Conditions. <i>Frontiers in Neuroscience</i> , 2021 , 15, 745886	5.1	1
2	Long-term cortisol stress response in depression and comorbid anxiety is linked with reduced N-acetylaspartate in the anterior cingulate cortex.. <i>World Journal of Biological Psychiatry</i> , 2022 , 1-35	3.8	0

- 1 An Unified Approach for fMRI-Measurements Used by a New Real-Time fMRI Analysis System **2007**, 56-60