

Christian Vollmar

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

2,913
citations

185998

28
h-index

182168

51
g-index

81
all docs

81
docs citations

81
times ranked

4201
citing authors

#	ARTICLE	IF	CITATIONS
1	Disorganization of language and working memory systems in frontal versus temporal lobe epilepsy. <i>Brain</i> , 2023, 146, 935-953.	3.7	22
2	Hemispheric differences in the duration of focal onset seizures. <i>Acta Neurologica Scandinavica</i> , 2021, 143, 248-255.	1.0	5
3	Uncrossed corticospinal tract in health and genetic disorders: Review, case report, and clinical implications. <i>European Journal of Neurology</i> , 2021, 28, 2804-2811.	1.7	2
4	DeepEpiL: Towards an Epileptologist-Friendly AI Enabled Seizure Classification Cloud System based on Deep Learning Analysis of 3D videos. , 2021, , .		7
5	Unilateral Blinking: Insights from Stereo-EEG and Tractography. <i>Brain Topography</i> , 2021, 34, 698-707.	0.8	1
6	Changes of brain DTI in healthy human subjects after 520 days isolation and confinement on a simulated mission to Mars. <i>Life Sciences in Space Research</i> , 2020, 24, 83-90.	1.2	12
7	Congruence and Discrepancy of Interictal and Ictal EEG With MRI Lesions in Pediatric Epilepsies. <i>Clinical EEG and Neuroscience</i> , 2020, 51, 412-419.	0.9	5
8	Who seizes longest? Impact of clinical and demographic factors. <i>Epilepsia</i> , 2020, 61, 1376-1385.	2.6	8
9	Motor hyperactivation during cognitive tasks: An endophenotype of juvenile myoclonic epilepsy. <i>Epilepsia</i> , 2020, 61, 1438-1452.	2.6	17
10	Abnormal hippocampal structure and function in juvenile myoclonic epilepsy and unaffected siblings. <i>Brain</i> , 2019, 142, 2670-2687.	3.7	54
11	Outcome after individualized stereoelectroencephalography (sEEG) implantation and navigated resection in patients with lesional and non-lesional focal epilepsy. <i>Journal of Neurology</i> , 2019, 266, 910-920.	1.8	23
12	10Kin1day: A Bottom-Up Neuroimaging Initiative. <i>Frontiers in Neurology</i> , 2019, 10, 425.	1.1	15
13	Epileptic seizure classification using the NeuroMov database. , 2019, , .		8
14	Developmental MRI markers cosegregate juvenile patients with myoclonic epilepsy and their healthy siblings. <i>Neurology</i> , 2019, 93, e1272-e1280.	1.5	35
15	Acute frontal eye field infarction. <i>Neurology</i> , 2019, 92, 193-195.	1.5	0
16	Aphasia elicited by electrical stimulation of the right anterior corpus callosum. <i>Aphasiology</i> , 2019, 33, 372-377.	1.4	0
17	Brain diffusion tensor imaging changes in cerebrotendinous xanthomatosis reversed with treatment. <i>Journal of Neurology</i> , 2018, 265, 388-393.	1.8	7
18	Ictal SPECT reveals different epileptogenic zones in frontal lobe epilepsy. <i>Epileptic Disorders</i> , 2018, 20, 447-450.	0.7	0

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19	Stimulation-induced ictal vocalisation of left frontal lobe origin. <i>Epileptic Disorders</i> , 2018, 20, 418-422.	0.7	2
20	Atrophy in the Thalamus But Not Cerebellum Is Specific for C9orf72 FTD and ALS Patients – An Atlas-Based Volumetric MRI Study. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 45.	1.7	40
21	Unilateral temporal interictal epileptiform discharges correctly predict the epileptogenic zone in lesional temporal lobe epilepsy. <i>Epilepsia</i> , 2018, 59, 1577-1582.	2.6	14
22	Effects of carbamazepine and lamotrigine on functional magnetic resonance imaging cognitive networks. <i>Epilepsia</i> , 2018, 59, 1362-1371.	2.6	30
23	Multimodal Imaging in Extratemporal Epilepsy Surgery. <i>Cureus</i> , 2018, 10, e2338.	0.2	2
24	NeuroKinect 3.0: Multi-Bed 3Dvideo-EEG System for Epilepsy Clinical Motion Monitoring. <i>Studies in Health Technology and Informatics</i> , 2018, 247, 46-50.	0.2	4
25	Seizure-associated aphasia has good lateralizing but poor localizing significance. <i>Epilepsia</i> , 2017, 58, 1551-1555.	2.6	18
26	The role of the pallidothalamic fibre tracts in deep brain stimulation for dystonia: A diffusion MRI tractography study. <i>Human Brain Mapping</i> , 2017, 38, 1224-1232.	1.9	26
27	A diffusion-based connectivity map of the GPI for optimised stereotactic targeting in DBS. <i>NeuroImage</i> , 2017, 144, 83-91.	2.1	36
28	Applied multimodal diagnostics in a case of presenile dementia. <i>BMC Neurology</i> , 2016, 16, 131.	0.8	3
29	Lateralization of cortical negative motor areas. <i>Clinical Neurophysiology</i> , 2016, 127, 3314-3321.	0.7	11
30	PET imaging in extratemporal epilepsy requires PET consideration of electroclinical findings. <i>Epilepsy Research</i> , 2016, 125, 72-76.	0.8	10
31	A novel portable, low-cost kinect-based system for motion analysis in neurological diseases. , 2016, 2016, 2339-2342.		17
32	A connectivity-based approach to the pathophysiology of hemiballism. <i>Basal Ganglia</i> , 2016, 6, 107-113.	0.3	0
33	Notch filter artefact mimicking high frequency oscillation in epilepsy. <i>Clinical Neurophysiology</i> , 2016, 127, 979-981.	0.7	3
34	Ruptured basilar artery perforator aneurysms – treatment regimen and long-term follow-up in eight cases. <i>Neuroradiology</i> , 2016, 58, 285-291.	1.1	27
35	NeuroKinect: A Novel Low-Cost 3Dvideo-EEG System for Epileptic Seizure Motion Quantification. <i>PLoS ONE</i> , 2016, 11, e0145669.	1.1	46
36	Collaborative table-top VR display for neurosurgical planning. , 2015, , .		2

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37	Seizure semiology identifies patients with bilateral temporal lobe epilepsy. <i>Epilepsy Research</i> , 2015, 109, 197-202.	0.8	13
38	Eye movements differ between ictal ipsilateral and contralateral head turning. <i>Epilepsy Research</i> , 2015, 114, 73-77.	0.8	4
39	Temporal-Pattern Similarity Analysis Reveals the Beneficial and Detrimental Effects of Context Reinstatement on Human Memory. <i>Journal of Neuroscience</i> , 2015, 35, 5373-5384.	1.7	57
40	Seizures From Solving Sudoku Puzzles. <i>JAMA Neurology</i> , 2015, 72, 1524.	4.5	6
41	Intraoperative electrical stimulation of the cortex reveals the speech area missed by extraoperative stimulation because of epicortical hematoma. <i>Acta Neurochirurgica</i> , 2015, 157, 1585-1586.	0.9	0
42	Motor co-activation in siblings of patients with juvenile myoclonic epilepsy: an imaging endophenotype?. <i>Brain</i> , 2014, 137, 2469-2479.	3.7	58
43	Language dominance assessment in a bilingual population: Validity of fMRI in the second language. <i>Epilepsia</i> , 2014, 55, 1504-1511.	2.6	29
44	Exonic microdeletions of the gephyrin gene impair GABAergic synaptic inhibition in patients with idiopathic generalized epilepsy. <i>Neurobiology of Disease</i> , 2014, 67, 88-96.	2.1	51
45	Connectivity patterns of pallidal DBS electrodes in focal dystonia: A diffusion tensor tractography study. <i>NeuroImage</i> , 2014, 84, 435-442.	2.1	45
46	Imaging the interaction: Epileptic discharges, working memory, and behavior. <i>Human Brain Mapping</i> , 2013, 34, 2910-2917.	1.9	17
47	Risk-taking behavior in juvenile myoclonic epilepsy. <i>Epilepsia</i> , 2013, 54, 2158-2165.	2.6	57
48	The effect of topiramate on cognitive fMRI. <i>Epilepsy Research</i> , 2013, 105, 250-255.	0.8	57
49	Upper limb automatisms differ quantitatively in temporal and frontal lobe epilepsies. <i>Epilepsy and Behavior</i> , 2013, 27, 404-408.	0.9	11
50	Feasibility of multimodal 3D neuroimaging to guide implantation of intracranial EEG electrodes. <i>Epilepsy Research</i> , 2013, 107, 91-100.	0.8	33
51	P-glycoprotein expression and function in patients with temporal lobe epilepsy: a case-control study. <i>Lancet Neurology</i> , The, 2013, 12, 777-785.	4.9	155
52	A functional magnetic resonance imaging study mapping the episodic memory encoding network in temporal lobe epilepsy. <i>Brain</i> , 2013, 136, 1868-1888.	3.7	124
53	Abnormal thalamocortical structural and functional connectivity in juvenile myoclonic epilepsy. <i>Brain</i> , 2012, 135, 3635-3644.	3.7	159
54	Memory in frontal lobe epilepsy: An fMRI study. <i>Epilepsia</i> , 2012, 53, 1756-1764.	2.6	24

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55	Frontal lobe function and structure in juvenile myoclonic epilepsy: A comprehensive review of neuropsychological and imaging data. <i>Epilepsia</i> , 2012, 53, 2091-2098.	2.6	106
56	Evidence of a non-motor microlesion effect following deep brain surgery: a case report. <i>Acta Neurochirurgica</i> , 2012, 154, 835-838.	0.9	4
57	Paradoxical lateralization of non-invasive electroencephalographic ictal patterns in extra-temporal epilepsies. <i>Epilepsy Research</i> , 2012, 99, 147-155.	0.8	12
58	Imaging language networks before and after anterior temporal lobe resection: Results of a longitudinal fMRI study. <i>Epilepsia</i> , 2012, 53, 639-650.	2.6	139
59	Motor system hyperconnectivity in juvenile myoclonic epilepsy: a cognitive functional magnetic resonance imaging study. <i>Brain</i> , 2011, 134, 1710-1719.	3.7	192
60	Clustering probabilistic tractograms using independent component analysis applied to the thalamus. <i>NeuroImage</i> , 2011, 54, 2020-2032.	2.1	60
61	Quantitative movement analysis differentiates focal seizures characterized by automatisms. <i>Epilepsy and Behavior</i> , 2011, 20, 642-647.	0.9	24
62	No response to acoustic stimuli: Absence or akinetic seizure?. <i>Epilepsy and Behavior</i> , 2011, 21, 478-479.	0.9	6
63	Bilateral temporal lobe epilepsy confirmed with intracranial EEG in chorea-acanthocytosis. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2011, 20, 340-342.	0.9	18
64	Connectivity of the supplementary motor area in juvenile myoclonic epilepsy and frontal lobe epilepsy. <i>Epilepsia</i> , 2011, 52, 507-514.	2.6	85
65	Ictal head turning in frontal and temporal lobe epilepsy. <i>Epilepsia</i> , 2011, 52, 1447-1451.	2.6	17
66	Epileptic networks in focal cortical dysplasia revealed using electroencephalographyâ€œfunctional magnetic resonance imaging. <i>Annals of Neurology</i> , 2011, 70, 822-837.	2.8	116
67	Hippocampal activation correlates with visual confrontation naming: fMRI findings in controls and patients with temporal lobe epilepsy. <i>Epilepsy Research</i> , 2011, 95, 246-254.	0.8	73
68	The structural plasticity of white matter networks following anterior temporal lobe resection. <i>Brain</i> , 2010, 133, 2348-2364.	3.7	111
69	Identical, but not the same: Intra-site and inter-site reproducibility of fractional anisotropy measures on two 3.0T scanners. <i>NeuroImage</i> , 2010, 51, 1384-1394.	2.1	252
70	Unusual cortical stimulation findings: Connectivity between primary motor and supplementary motor areas. <i>Epilepsy and Behavior</i> , 2010, 19, 639-642.	0.9	6
71	Clinical MRI in children and adults with focal epilepsy: A critical review. <i>Epilepsy and Behavior</i> , 2009, 15, 40-49.	0.9	77
72	Ictal SPECT in Sturge-Weber syndrome. <i>Epilepsy Research</i> , 2008, 78, 240-243.	0.8	11

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73	Interictal regional polyspikes in noninvasive EEG suggest cortical dysplasia as etiology of focal epilepsies. <i>Epilepsia</i> , 2008, 49, 1011-1017.	2.6	49
74	Tiagabine-induced myoclonic status epilepticus in a nonepileptic patient. <i>Neurology</i> , 2007, 68, 310-310.	1.5	15
75	Seizures on hearing the alarm clock. <i>Lancet, The</i> , 2007, 370, 2172.	6.3	6
76	Lateralizing Significance of Quantitative Analysis of Head Movements before Secondary Generalization of Seizures of Patients with Temporal Lobe Epilepsy. <i>Epilepsia</i> , 2007, 48, 524-530.	2.6	35
77	Usefulness of 3-D reconstructed images of the human cerebral cortex for localization of subdural electrodes in epilepsy surgery. <i>Epilepsy Research</i> , 2000, 41, 169-178.	0.8	76