Gavin P Winston

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2105257/publications.pdf

Version: 2024-02-01

83	3,415	136950	161849
papers	citations	32 h-index	54 g-index

87	87	87	4538
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Disorganization of language and working memory systems in frontal versus temporal lobe epilepsy. Brain, 2023, 146, 935-953.	7.6	22
2	Intraoperative overlay of optic radiation tractography during anteromesial temporal resection: a prospective validation study. Journal of Neurosurgery, 2022, 136, 543-552.	1.6	4
3	Eventâ€based modeling in temporal lobe epilepsy demonstrates progressive atrophy from crossâ€sectional data. Epilepsia, 2022, 63, 2081-2095.	5.1	11
4	Volumetric and structural connectivity abnormalities co-localise in TLE. NeuroImage: Clinical, 2022, 35, 103105.	2.7	5
5	Episodic memory network connectivity in temporal lobe epilepsy. Epilepsia, 2022, 63, 2597-2622.	5.1	15
6	Clinical evaluation of automated quantitative MRI reports for assessment of hippocampal sclerosis. European Radiology, 2021, 31, 34-44.	4.5	11
7	Independent components of human brain morphology. NeuroImage, 2021, 226, 117546.	4.2	12
8	Multivariate white matter alterations are associated with epilepsy duration. European Journal of Neuroscience, 2021, 53, 2788-2803.	2.6	18
9	Detection of covert lesions in focal epilepsy using computational analysis of multimodal magnetic resonance imaging data. Epilepsia, 2021, 62, 807-816.	5.1	9
10	Non-parametric combination of multimodal MRI for lesion detection in focal epilepsy. NeuroImage: Clinical, 2021, 32, 102837.	2.7	3
11	Virtual epilepsy clinics â€“ A Canadian Comprehensive Epilepsy Center experience pre-COVID and during the COVID-19 pandemic period. Epilepsy Research, 2021, 176, 106689.	1.6	9
12	Focal to bilateral tonicâ€“clonic seizures are associated with widespread network abnormality in temporal lobe epilepsy. Epilepsia, 2021, 62, 729-741.	5.1	42
13	Structural Brain Network Abnormalities and the Probability of Seizure Recurrence After Epilepsy Surgery. Neurology, 2021, 96, e758-e771.	1.1	49
14	Decoupling of functional and structural language networks in temporal lobe epilepsy. Epilepsia, 2021, 62, 2941-2954.	5.1	15
15	Hippocampal profiling: Localized magnetic resonance imaging volumetry and T2 relaxometry for hippocampal sclerosis. Epilepsia, 2020, 61, 297-309.	5.1	26
16	Periâ€ictal hypoxia is related to extent of regional brain volume loss accompanying generalized tonicâ€clonic seizures. Epilepsia, 2020, 61, 1570-1580.	5.1	25
17	Thalamus and focal to bilateral seizures. Neurology, 2020, 95, e2427-e2441.	1.1	54
18	White matter abnormalities across different epilepsy syndromes in adults: an ENIGMA-Epilepsy study. Brain, 2020, 143, 2454-2473.	7.6	123

#	Article	IF	Citations
19	Hippocampal Shape Is Associated with Memory Deficits in Temporal Lobe Epilepsy. Annals of Neurology, 2020, 88, 170-182.	5.3	23
20	Microstructural imaging in temporal lobe epilepsy: Diffusion imaging changes relate to reduced neurite density. NeuroImage: Clinical, 2020, 26, 102231.	2.7	30
21	Network reorganisation following anterior temporal lobe resection and relation with post-surgery seizure relapse: A longitudinal study. NeuroImage: Clinical, 2020, 27, 102320.	2.7	19
22	Motor hyperactivation during cognitive tasks: An endophenotype of juvenile myoclonic epilepsy. Epilepsia, 2020, 61, 1438-1452.	5.1	17
23	Validation of computational lesion detection methods in magnetic resonance imagingâ€“negative, focal epilepsy. Epilepsia, 2020, 61, 828-830.	5.1	2
24	Assessing various sensorimotor and cognitive functions in people with epilepsy is feasible with robotics. Epilepsy and Behavior, 2020, 103, 106859.	1.7	7
25	Microstructural Investigations of the Visual Pathways in Pediatric Epilepsy Neurosurgery: Insights From Multi-Shell Diffusion Magnetic Resonance Imaging. Frontiers in Neuroscience, 2020, 14, 269.	2.8	6
26	Diffusion Tensor Imaging. , 2020, , 203-213.		0
27	Abnormal hippocampal structure and function in juvenile myoclonic epilepsy and unaffected siblings. Brain, 2019, 142, 2670-2687.	7.6	54
28	Learning to see the invisible: A dataâ€driven approach to finding the underlying patterns of abnormality in visually normal brain magnetic resonance images in patients with temporal lobe epilepsy. Epilepsia, 2019, 60, 2499-2507.	5.1	14
29	Automated fiber tract reconstruction for surgery planning: Extensive validation in language-related white matter tracts. NeuroImage: Clinical, 2019, 23, 101883.	2.7	19
30	Association of Piriform Cortex Resection With Surgical Outcomes in Patients With Temporal Lobe Epilepsy. JAMA Neurology, 2019, 76, 690.	9.0	69
31	Cerebellar, limbic, and midbrain volume alterations in sudden unexpected death in epilepsy. Epilepsia, 2019, 60, 718-729.	5.1	54
32	The impact of epilepsy surgery on the structural connectome and its relation to outcome. NeuroImage: Clinical, 2018, 18, 202-214.	2.7	109
33	Evaluation of prospective motion correction of high-resolution 3D-T2-FLAIR acquisitions in epilepsy patients. Journal of Neuroradiology, 2018, 45, 368-373.	1.1	7
34	Effects of carbamazepine and lamotrigine on functional magnetic resonance imaging cognitive networks. Epilepsia, 2018, 59, 1362-1371.	5.1	30
35	Computer-assisted planning for the insertion of stereoelectroencephalography electrodes for the investigation of drug-resistant focal epilepsy: an external validation study. Journal of Neurosurgery, 2018, , 1-10.	1.6	33
36	Voxelâ€based magnetic resonance image postprocessing in epilepsy. Epilepsia, 2017, 58, 1653-1664.	5.1	36

#	Article	IF	Citations
37	Automated T2 relaxometry of the hippocampus for temporal lobe epilepsy. Epilepsia, 2017, 58, 1645-1652.	5.1	43
38	Memory network plasticity after temporal lobe resection: a longitudinal functional imaging study. Brain, 2016, 139, 415-430.	7.6	62
39	Brain imaging in the assessment for epilepsy surgery. Lancet Neurology, The, 2016, 15, 420-433.	10.2	239
40	Bilateral Weighted Adaptive Local Similarity Measure for Registration in Neurosurgery. Lecture Notes in Computer Science, 2016, , 81-88.	1.3	0
41	Temporal lobe epilepsy and affective disorders: the role of the subgenual anterior cingulate cortex. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, 144-151.	1.9	25
42	Utility of 3D multimodality imaging in the implantation ofÂintracranial electrodes in epilepsy. Epilepsia, 2015, 56, 403-413.	5.1	50
43	Memory fMRI predicts verbal memory decline after anterior temporal lobe resection. Neurology, 2015, 84, 1512-1519.	1.1	88
44	Simulated field maps for susceptibility artefact correction in interventional MRI. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 1405-1416.	2.8	4
45	Factors affecting reorganisation of memory encoding networks in temporal lobe epilepsy. Epilepsy Research, 2015, 110, 1-9.	1.6	40
46	The role of magnetic resonance imaging techniques in the diagnosis, surgical treatment and biological understanding of epilepsy. Quantitative Imaging in Medicine and Surgery, 2015, 5, 186-7.	2.0	5
47	The potential role of novel diffusion imaging techniques in the understanding and treatment of epilepsy. Quantitative Imaging in Medicine and Surgery, 2015, 5, 279-87.	2.0	29
48	Global image registration using a symmetric block-matching approach. Journal of Medical Imaging, 2014, 1, 024003.	1.5	245
49	Working memory network plasticity after anterior temporal lobe resection: a longitudinal functional magnetic resonance imaging study. Brain, 2014, 137, 1439-1453.	7.6	33
50	Susceptibility artefact correction using dynamic graph cuts: Application to neurosurgery. Medical Image Analysis, 2014, 18, 1132-1142.	11.6	19
51	Preventing visual field deficits from neurosurgery. Neurology, 2014, 83, 604-611.	1.1	67
52	Progressive white matter changes following anterior temporal lobe resection for epilepsy. NeuroImage: Clinical, 2014, 4, 190-200.	2.7	37
53	Advanced diffusion imaging sequences could aid assessing patients with focal cortical dysplasia and epilepsy. Epilepsy Research, 2014, 108, 336-339.	1.6	129
54	Simulated Field Maps: Toward Improved Susceptibility Artefact Correction in Interventional MRI. Lecture Notes in Computer Science, 2014, , 226-235.	1.3	1

#	Article	IF	Citations
55	Focus on China: should clinicians engage in research? and lessons from other countries. Quantitative Imaging in Medicine and Surgery, 2014, 4, 413-25.	2.0	18
56	Relative income of clinical faculty members vs. science faculty members in university settings-a short survey of France, Hong Kong, India, Japan, South Korea, The Netherlands, Taiwan, UK, and USA. Quantitative Imaging in Medicine and Surgery, 2014, 4, 500-1.	2.0	6
57	The value of repeat neuroimaging for epilepsy at a tertiary referral centre: 16 years of experience. Epilepsy Research, 2013, 105, 349-355.	1.6	73
58	Disrupted segregation of working memory networks in temporal lobe epilepsy. NeuroImage: Clinical, 2013, 2, 273-281.	2.7	52
59	A functional magnetic resonance imaging study mapping the episodic memory encoding network in temporal lobe epilepsy. Brain, 2013, 136, 1868-1888.	7.6	124
60	Structural correlates of impaired working memory in hippocampal sclerosis. Epilepsia, 2013, 54, 1143-1153.	5.1	50
61	Epilepsy surgery, vision, and driving: What has surgery taught us and could modern imaging reduce the risk of visual deficits?. Epilepsia, 2013, 54, 1877-1888.	5.1	42
62	Automated hippocampal segmentation in patients with epilepsy: Available free online. Epilepsia, 2013, 54, 2166-2173.	5.1	59
63	Denture fixative cream and the potential for neuropathy (dent update 2012; 39: 575â€“577). Dental Update, 2013, 40, 144-144.	0.2	0
64	Susceptibility artefact correction by combining B0 field maps and non-rigid registration using graph cuts. , 2013, , .		2
65	1648â€...Could laterality of diffusion measures prove useful in determining the lateralisation of non-lesional temporal lobe epilepsy?. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, e1.149-e1.	1.9	0
66	1218â€...Frontal lobe activity during memory encoding in temporal lobe epilepsy. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, e1.158-e1.	1.9	0
67	Geodesic Shape-Based Averaging. Lecture Notes in Computer Science, 2012, 15, 26-33.	1.3	2
68	Western driving regulations for unprovoked first seizures and epilepsy. Seizure: the Journal of the British Epilepsy Association, 2012, 21, 371-376.	2.0	27
69	Neural correlates of working memory in Temporal Lobe Epilepsy â€" An fMRI study. NeuroImage, 2012, 60, 1696-1703.	4.2	61
70	Subacute combined degeneration of the spinal cord despite prophylactic vitamin B12 treatment. Journal of Clinical Neuroscience, 2012, 19, 1607.	1.5	0
71	Optic radiation tractography and vision in anterior temporal lobe resection. Annals of Neurology, 2012, 71, 334-341.	5.3	85
72	Accurate Localization of Optic Radiation During Neurosurgery in an Interventional MRI Suite. IEEE Transactions on Medical Imaging, 2012, 31, 882-891.	8.9	40

#	Article	IF	Citations
73	The physical and biological basis of quantitative parameters derived from diffusion MRI. Quantitative Imaging in Medicine and Surgery, 2012, 2, 254-65.	2.0	125
74	Integrating structural and diffusion MR information for optic radiation localisation in focal epilepsy patients. , 2011, , .		2
75	Diffusion tensor imaging tractography to visualize the relationship of the optic radiation to epileptogenic lesions prior to neurosurgery. Epilepsia, 2011, 52, 1430-1438.	5.1	58
76	Diffusion tensor imaging tractography of the optic radiation for epilepsy surgical planning: A comparison of two methods. Epilepsy Research, 2011, 97, 124-132.	1.6	38
77	Improved Neuronavigation through Integration of Intraoperative Anatomical and Diffusion Images in an Interventional MRI Suite. Lecture Notes in Computer Science, 2011, , 168-178.	1.3	4
78	Copper deficiency myelopathy. Journal of Neurology, 2010, 257, 869-881.	3.6	377
79	Re: Contribution of spinal MRI for unsuspected cobalamin deficiency in isolated sub-acute combined degeneration. Eur J Intern Med 2008;19(2):143â€“145. European Journal of Internal Medicine, 2009, 20, e16.	2.2	1
80	Subacute Combined Degeneration Due to Copper Deficiency. Journal of Neuroimaging, 2008, 18, 345-345.	2.0	4
81	Copper deficiency myelopathy and subacute combined degeneration of the cord â€“ Why is the phenotype so similar?. Medical Hypotheses, 2008, 71, 229-236.	1.5	36
82	Copper deficiency: an unusual case of myelopathy with neuropathy. Annals of Clinical Biochemistry, 2008, 45, 616-617.	1.6	12
83	Different receptors use inositol trisphosphate to mobilize Ca2+ from different intracellular pools. Biochemical Journal, 2000, 351, 683.	3.7	3