

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
papers

3,415
citations

136740

32
h-index

161609

54
g-index

87
all docs

87
docs citations

87
times ranked

4538
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	Intraoperative overlay of optic radiation tractography during anteromesial temporal resection: a prospective validation study. <i>Journal of Neurosurgery</i> , 2022, 136, 543-552.	0.9	4
3	Event-based modeling in temporal lobe epilepsy demonstrates progressive atrophy from cross-sectional data. <i>Epilepsia</i> , 2022, 63, 2081-2095.	2.6	11
4	Volumetric and structural connectivity abnormalities co-localise in TLE. <i>NeuroImage: Clinical</i> , 2022, 35, 103105.	1.4	5
5	Episodic memory network connectivity in temporal lobe epilepsy. <i>Epilepsia</i> , 2022, 63, 2597-2622.	2.6	15
6	Clinical evaluation of automated quantitative MRI reports for assessment of hippocampal sclerosis. <i>European Radiology</i> , 2021, 31, 34-44.	2.3	11
7	Independent components of human brain morphology. <i>NeuroImage</i> , 2021, 226, 117546.	2.1	12
8	Multivariate white matter alterations are associated with epilepsy duration. <i>European Journal of Neuroscience</i> , 2021, 53, 2788-2803.	1.2	18
9	Detection of covert lesions in focal epilepsy using computational analysis of multimodal magnetic resonance imaging data. <i>Epilepsia</i> , 2021, 62, 807-816.	2.6	9
10	Non-parametric combination of multimodal MRI for lesion detection in focal epilepsy. <i>NeuroImage: Clinical</i> , 2021, 32, 102837.	1.4	3
11	Virtual epilepsy clinics – A Canadian Comprehensive Epilepsy Center experience pre-COVID and during the COVID-19 pandemic period. <i>Epilepsy Research</i> , 2021, 176, 106689.	0.8	9
12	Focal to bilateral tonic-clonic seizures are associated with widespread network abnormality in temporal lobe epilepsy. <i>Epilepsia</i> , 2021, 62, 729-741.	2.6	42
13	Structural Brain Network Abnormalities and the Probability of Seizure Recurrence After Epilepsy Surgery. <i>Neurology</i> , 2021, 96, e758-e771.	1.5	49
14	Decoupling of functional and structural language networks in temporal lobe epilepsy. <i>Epilepsia</i> , 2021, 62, 2941-2954.	2.6	15
15	Hippocampal profiling: Localized magnetic resonance imaging volumetry and T2 relaxometry for hippocampal sclerosis. <i>Epilepsia</i> , 2020, 61, 297-309.	2.6	26
16	Peri-ictal hypoxia is related to extent of regional brain volume loss accompanying generalized tonic-clonic seizures. <i>Epilepsia</i> , 2020, 61, 1570-1580.	2.6	25
17	Thalamus and focal to bilateral seizures. <i>Neurology</i> , 2020, 95, e2427-e2441.	1.5	54
18	White matter abnormalities across different epilepsy syndromes in adults: an ENIGMA-Epilepsy study. <i>Brain</i> , 2020, 143, 2454-2473.	3.7	123

#	ARTICLE	IF	CITATIONS
19	Hippocampal Shape Is Associated with Memory Deficits in Temporal Lobe Epilepsy. <i>Annals of Neurology</i> , 2020, 88, 170-182.	2.8	23
20	Microstructural imaging in temporal lobe epilepsy: Diffusion imaging changes relate to reduced neurite density. <i>NeuroImage: Clinical</i> , 2020, 26, 102231.	1.4	30
21	Network reorganisation following anterior temporal lobe resection and relation with post-surgery seizure relapse: A longitudinal study. <i>NeuroImage: Clinical</i> , 2020, 27, 102320.	1.4	19
22	Motor hyperactivation during cognitive tasks: An endophenotype of juvenile myoclonic epilepsy. <i>Epilepsia</i> , 2020, 61, 1438-1452.	2.6	17
23	Validation of computational lesion detection methods in magnetic resonance imagingâ€“negative, focal epilepsy. <i>Epilepsia</i> , 2020, 61, 828-830.	2.6	2
24	Assessing various sensorimotor and cognitive functions in people with epilepsy is feasible with robotics. <i>Epilepsy and Behavior</i> , 2020, 103, 106859.	0.9	7
25	Microstructural Investigations of the Visual Pathways in Pediatric Epilepsy Neurosurgery: Insights From Multi-Shell Diffusion Magnetic Resonance Imaging. <i>Frontiers in Neuroscience</i> , 2020, 14, 269.	1.4	6
26	Diffusion Tensor Imaging. , 2020, , 203-213.		0
27	Abnormal hippocampal structure and function in juvenile myoclonic epilepsy and unaffected siblings. <i>Brain</i> , 2019, 142, 2670-2687.	3.7	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. <i>Epilepsia</i> , 2019, 60, 2499-2507.	2.6	14
29	Automated fiber tract reconstruction for surgery planning: Extensive validation in language-related white matter tracts. <i>NeuroImage: Clinical</i> , 2019, 23, 101883.	1.4	19
30	Association of Piriform Cortex Resection With Surgical Outcomes in Patients With Temporal Lobe Epilepsy. <i>JAMA Neurology</i> , 2019, 76, 690.	4.5	69
31	Cerebellar, limbic, and midbrain volume alterations in sudden unexpected death in epilepsy. <i>Epilepsia</i> , 2019, 60, 718-729.	2.6	54
32	The impact of epilepsy surgery on the structural connectome and its relation to outcome. <i>NeuroImage: Clinical</i> , 2018, 18, 202-214.	1.4	109
33	Evaluation of prospective motion correction of high-resolution 3D-T2-FLAIR acquisitions in epilepsy patients. <i>Journal of Neuroradiology</i> , 2018, 45, 368-373.	0.6	7
34	Effects of carbamazepine and lamotrigine on functional magnetic resonance imaging cognitive networks. <i>Epilepsia</i> , 2018, 59, 1362-1371.	2.6	30
35	Computer-assisted planning for the insertion of stereoelectroencephalography electrodes for the investigation of drug-resistant focal epilepsy: an external validation study. <i>Journal of Neurosurgery</i> , 2018, , 1-10.	0.9	33
36	Voxelâ€“based magnetic resonance image postprocessing in epilepsy. <i>Epilepsia</i> , 2017, 58, 1653-1664.	2.6	36

#	ARTICLE	IF	CITATIONS
37	Automated T2 relaxometry of the hippocampus for temporal lobe epilepsy. <i>Epilepsia</i> , 2017, 58, 1645-1652.	2.6	43
38	Memory network plasticity after temporal lobe resection: a longitudinal functional imaging study. <i>Brain</i> , 2016, 139, 415-430.	3.7	62
39	Brain imaging in the assessment for epilepsy surgery. <i>Lancet Neurology</i> , The, 2016, 15, 420-433.	4.9	239
40	Bilateral Weighted Adaptive Local Similarity Measure for Registration in Neurosurgery. <i>Lecture Notes in Computer Science</i> , 2016, , 81-88.	1.0	0
41	Temporal lobe epilepsy and affective disorders: the role of the subgenual anterior cingulate cortex. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 144-151.	0.9	25
42	Utility of 3D multimodality imaging in the implantation of intracranial electrodes in epilepsy. <i>Epilepsia</i> , 2015, 56, 403-413.	2.6	50
43	Memory fMRI predicts verbal memory decline after anterior temporal lobe resection. <i>Neurology</i> , 2015, 84, 1512-1519.	1.5	88
44	Simulated field maps for susceptibility artefact correction in interventional MRI. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2015, 10, 1405-1416.	1.7	4
45	Factors affecting reorganisation of memory encoding networks in temporal lobe epilepsy. <i>Epilepsy Research</i> , 2015, 110, 1-9.	0.8	40
46	The role of magnetic resonance imaging techniques in the diagnosis, surgical treatment and biological understanding of epilepsy. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 186-7.	1.1	5
47	The potential role of novel diffusion imaging techniques in the understanding and treatment of epilepsy. <i>Quantitative Imaging in Medicine and Surgery</i> , 2015, 5, 279-87.	1.1	29
48	Global image registration using a symmetric block-matching approach. <i>Journal of Medical Imaging</i> , 2014, 1, 024003.	0.8	245
49	Working memory network plasticity after anterior temporal lobe resection: a longitudinal functional magnetic resonance imaging study. <i>Brain</i> , 2014, 137, 1439-1453.	3.7	33
50	Susceptibility artefact correction using dynamic graph cuts: Application to neurosurgery. <i>Medical Image Analysis</i> , 2014, 18, 1132-1142.	7.0	19
51	Preventing visual field deficits from neurosurgery. <i>Neurology</i> , 2014, 83, 604-611.	1.5	67
52	Progressive white matter changes following anterior temporal lobe resection for epilepsy. <i>NeuroImage: Clinical</i> , 2014, 4, 190-200.	1.4	37
53	Advanced diffusion imaging sequences could aid assessing patients with focal cortical dysplasia and epilepsy. <i>Epilepsy Research</i> , 2014, 108, 336-339.	0.8	129
54	Simulated Field Maps: Toward Improved Susceptibility Artefact Correction in Interventional MRI. <i>Lecture Notes in Computer Science</i> , 2014, , 226-235.	1.0	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.	1.1	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.	1.1	6
57	The value of repeat neuroimaging for epilepsy at a tertiary referral centre: 16 years of experience. Epilepsy Research, 2013, 105, 349-355.	0.8	73
58	Disrupted segregation of working memory networks in temporal lobe epilepsy. NeuroImage: Clinical, 2013, 2, 273-281.	1.4	52
59	A functional magnetic resonance imaging study mapping the episodic memory encoding network in temporal lobe epilepsy. Brain, 2013, 136, 1868-1888.	3.7	124
60	Structural correlates of impaired working memory in hippocampal sclerosis. Epilepsia, 2013, 54, 1143-1153.	2.6	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.	2.6	42
62	Automated hippocampal segmentation in patients with epilepsy: Available free online. Epilepsia, 2013, 54, 2166-2173.	2.6	59
63	Denture fixative cream and the potential for neuropathy (dent update 2012; 39: 575-577). Dental Update, 2013, 40, 144-144.	0.1	0
64	Susceptibility artefact correction by combining B0 field maps and non-rigid registration using graph cuts. , 2013, , .		2
65	1648-...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.	0.9	0
66	1218-...Frontal lobe activity during memory encoding in temporal lobe epilepsy. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, e1.158-e1.	0.9	0
67	Geodesic Shape-Based Averaging. Lecture Notes in Computer Science, 2012, 15, 26-33.	1.0	2
68	Western driving regulations for unprovoked first seizures and epilepsy. Seizure: the Journal of the British Epilepsy Association, 2012, 21, 371-376.	0.9	27
69	Neural correlates of working memory in Temporal Lobe Epilepsy - An fMRI study. NeuroImage, 2012, 60, 1696-1703.	2.1	61
70	Subacute combined degeneration of the spinal cord despite prophylactic vitamin B12 treatment. Journal of Clinical Neuroscience, 2012, 19, 1607.	0.8	0
71	Optic radiation tractography and vision in anterior temporal lobe resection. Annals of Neurology, 2012, 71, 334-341.	2.8	85
72	Accurate Localization of Optic Radiation During Neurosurgery in an Interventional MRI Suite. IEEE Transactions on Medical Imaging, 2012, 31, 882-891.	5.4	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.	1.1	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.	2.6	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.	0.8	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.	1.0	4
78	Copper deficiency myelopathy. Journal of Neurology, 2010, 257, 869-881.	1.8	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.	1.0	1
80	Subacute Combined Degeneration Due to Copper Deficiency. Journal of Neuroimaging, 2008, 18, 345-345.	1.0	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.	0.8	36
82	Copper deficiency: an unusual case of myelopathy with neuropathy. Annals of Clinical Biochemistry, 2008, 45, 616-617.	0.8	12
83	Different receptors use inositol trisphosphate to mobilize Ca ²⁺ from different intracellular pools. Biochemical Journal, 2000, 351, 683.	1.7	3