

# Paul Bentley

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

3,497  
citations

186265

28  
h-index

144013

57  
g-index

79  
all docs

79  
docs citations

79  
times ranked

5513  
citing authors

#	ARTICLE	IF	CITATIONS
1	ISLES 2015 - A public evaluation benchmark for ischemic stroke lesion segmentation from multispectral MRI. <i>Medical Image Analysis</i> , 2017, 35, 250-269.	11.6	360
2	Self-supervised learning for medical image analysis using image context restoration. <i>Medical Image Analysis</i> , 2019, 58, 101539.	11.6	315
3	Fully automatic acute ischemic lesion segmentation in DWI using convolutional neural networks. <i>NeuroImage: Clinical</i> , 2017, 15, 633-643.	2.7	221
4	DRINet for Medical Image Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 2453-2462.	8.9	198
5	Effects of Cholinergic Enhancement on Visual Stimulation, Spatial Attention, and Spatial Working Memory. <i>Neuron</i> , 2004, 41, 969-982.	8.1	181
6	Cholinergic enhancement modulates neural correlates of selective attention and emotional processing. <i>NeuroImage</i> , 2003, 20, 58-70.	4.2	155
7	Cholinergic modulation of cognition: Insights from human pharmacological functional neuroimaging. <i>Progress in Neurobiology</i> , 2011, 94, 360-388.	5.7	155
8	Intra-Arterial Immunoselected CD34+ Stem Cells for Acute Ischemic Stroke. <i>Stem Cells Translational Medicine</i> , 2014, 3, 1322-1330.	3.3	131
9	Prediction of stroke thrombolysis outcome using CT brain machine learning. <i>NeuroImage: Clinical</i> , 2014, 4, 635-640.	2.7	131
10	Cholinesterase inhibition modulates visual and attentional brain responses in Alzheimer's disease and health. <i>Brain</i> , 2008, 131, 409-424.	7.6	104
11	Thalamic Control of Human Attention Driven by Memory and Learning. <i>Current Biology</i> , 2014, 24, 993-999.	3.9	101
12	Towards the identification of blood biomarkers for acute stroke in humans: a comprehensive systematic review. <i>British Journal of Clinical Pharmacology</i> , 2012, 74, 230-240.	2.4	95
13	Effects of Attention and Emotion on Repetition Priming and Their Modulation by Cholinergic Enhancement. <i>Journal of Neurophysiology</i> , 2003, 90, 1171-1181.	1.8	80
14	Causal Relationship of Susceptibility Genes to Ischemic Stroke: Comparison to Ischemic Heart Disease and Biochemical Determinants. <i>PLoS ONE</i> , 2010, 5, e9136.	2.5	70
15	Genes Associated With Adult Cerebral Venous Thrombosis. <i>Stroke</i> , 2011, 42, 913-918.	2.0	69
16	Motor dexterity and strength depend upon integrity of the attention-control system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E536-E545.	7.1	65
17	Quantifying the risk of heart disease following acute ischaemic stroke: a meta-analysis of over 50â€¦000 participants. <i>BMJ Open</i> , 2016, 6, e009535.	1.9	64
18	Stroke Genetics Network (SiGN) Study. <i>Stroke</i> , 2013, 44, 2694-2702.	2.0	62

#	ARTICLE	IF	CITATIONS
19	Deep Learning for Robust Decomposition of High-Density Surface EMG Signals. IEEE Transactions on Biomedical Engineering, 2021, 68, 526-534.	4.2	52
20	Triple dissociation of attention networks in stroke according to lesion location. Neurology, 2013, 81, 812-820.	1.1	50
21	Balancing the playing field: collaborative gaming for physical training. Journal of NeuroEngineering and Rehabilitation, 2017, 14, 116.	4.6	47
22	Effects of cholinergic enhancement on conditioning-related responses in human auditory cortex. European Journal of Neuroscience, 2002, 16, 2199-2206.	2.6	42
23	Stem Cell Tracking in Human Trials: A Meta-Regression. Stem Cell Reviews and Reports, 2011, 7, 1031-1040.	5.6	39
24	Detailed Analysis of Gene Polymorphisms Associated with Ischemic Stroke in South Asians. PLoS ONE, 2013, 8, e57305.	2.5	39
25	Modulation of fusiform cortex activity by cholinesterase inhibition predicts effects on subsequent memory. Brain, 2009, 132, 2356-2371.	7.6	38
26	The role of the right inferior frontal gyrus in the pathogenesis of post-stroke psychosis. Journal of Neurology, 2014, 261, 600-603.	3.6	35
27	Democratizing Neurorehabilitation: How Accessible are Low-Cost Mobile-Gaming Technologies for Self-Rehabilitation of Arm Disability in Stroke?. PLoS ONE, 2016, 11, e0163413.	2.5	31
28	Cultural diversity training for UK healthcare professionals: a comprehensive nationwide cross-sectional survey. Clinical Medicine, 2008, 8, 493-497.	1.9	30
29	CADASIL with cord involvement associated with a novel and atypical NOTCH3 mutation. Journal of Neurology, Neurosurgery and Psychiatry, 2011, 82, 855-860.	1.9	30
30	Awareness of Stroke Symptomatology and Cardiovascular Risk Factors Amongst Stroke Survivors. Journal of Stroke and Cerebrovascular Diseases, 2012, 21, 358-362.	1.6	29
31	Rapid Automated Quantification of Cerebral Leukoaraiosis on CT Images: A Multicenter Validation Study. Radiology, 2018, 288, 573-581.	7.3	25
32	Evaluation of the clinical utility of a carotid bruit. QJM - Monthly Journal of the Association of Physicians, 2012, 105, 1171-1177.	0.5	23
33	Coiling-associated delayed cerebral hypersensitivity: Is nickel the link?. Neurology, 2015, 84, 97-99.	1.1	23
34	Impact of National Lockdown on the Hyperacute Stroke Care and Rapid Transient Ischaemic Attack Outpatient Service in a Comprehensive Tertiary Stroke Centre During the COVID-19 Pandemic. Frontiers in Neurology, 2021, 12, 627493.	2.4	23
35	Recommendations From the International Stroke Genetics Consortium, Part 1. Stroke, 2015, 46, 279-284.	2.0	22
36	Intravenous immunoglobulin increases plasma viscosity without parallel rise in blood pressure. Journal of Clinical Pharmacy and Therapeutics, 2012, 37, 286-290.	1.5	19

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37	Candidate-gene analysis of white matter hyperintensities on neuroimaging. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 260-266.	1.9	19
38	Of rats and men: superwarfarin toxicity. <i>Lancet, The</i> , 2005, 365, 552-554.	13.7	17
39	Impact of COVID-19 Pandemic on a Regional Stroke Thrombectomy Service in the United Kingdom. <i>Cerebrovascular Diseases</i> , 2021, 50, 178-184.	1.7	17
40	Painful third nerve palsy in MS. <i>Neurology</i> , 2002, 58, 1532-1532.	1.1	16
41	Estimating Weight of Patients With Acute Stroke When Dosing for Thrombolysis. <i>Stroke</i> , 2016, 47, 228-231.	2.0	15
42	Elasticity improves handgrip performance and user experience during visuomotor control. <i>Royal Society Open Science</i> , 2017, 4, 160961.	2.4	15
43	Lesion locations influencing baseline severity and early recovery in ischaemic stroke. <i>European Journal of Neurology</i> , 2014, 21, 1226-1232.	3.3	14
44	Accuracy and Acceptability of Wearable Motion Tracking for Inpatient Monitoring Using Smartwatches. <i>Sensors</i> , 2020, 20, 7313.	3.8	14
45	COVID-19 outcomes in UK centre within highest health and wealth band: a prospective cohort study. <i>BMJ Open</i> , 2020, 10, e042090.	1.9	14
46	Self-Directed Exergaming for Stroke Upper Limb Impairment Increases Exercise Dose Compared to Standard Care. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 974-985.	2.9	13
47	Vasculitic Presentation of Staphylococcal Meningitis. <i>Archives of Neurology</i> , 2007, 64, 1788.	4.5	12
48	Identification of Cerebral Small Vessel Disease Using Multiple Instance Learning. <i>Lecture Notes in Computer Science</i> , 2015, , 523-530.	1.3	12
49	Influences of genetic variants on stroke recovery: a meta-analysis of the 31,895 cases. <i>Neurological Sciences</i> , 2019, 40, 2437-2445.	1.9	12
50	Quantification of Motor Function Post-Stroke Using Novel Combination of Wearable Inertial and Mechanomyographic Sensors. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 1158-1167.	4.9	12
51	Intelligent Image Synthesis to Attack a Segmentation CNN Using Adversarial Learning. <i>Lecture Notes in Computer Science</i> , 2019, , 90-99.	1.3	12
52	Bio-Repository of DNA in stroke (BRAINS): A study protocol. <i>BMC Medical Genetics</i> , 2011, 12, 34.	2.1	11
53	Knowledge of blood pressure in a UK general public population. <i>Journal of Human Hypertension</i> , 2014, 28, 500-503.	2.2	11
54	Prothrombin Complex Concentrates are Superior to Fresh Frozen Plasma for Emergency Reversal of Vitamin K Antagonists: A Meta-Analysis in 2606 Subjects. <i>Drugs</i> , 2019, 79, 1557-1565.	10.9	10

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55	Selective rotation of egocentric spatial representation following right putaminal hemorrhage. <i>Neuropsychologia</i> , 2004, 42, 1827-1837.	1.6	9
56	Pharmacological treatment of ischemic stroke. , 2005, 108, 334-352.		8
57	Up-Down Asymmetry of Saccadic Contrapulsion in Lateral Medullary Syndrome. <i>Journal of Neuro-Ophthalmology</i> , 2012, 32, 224-226.	0.8	8
58	Delivering telemedicine consultations for patients with transient ischaemic attack during the COVID-19 pandemic in a comprehensive tertiary stroke centre in the United Kingdom. <i>European Journal of Neurology</i> , 2021, 28, 3456-3460.	3.3	8
59	Down but Not Out. <i>Circulation Research</i> , 2010, 106, 1019-1021.	4.5	7
60	Reward sensitivity predicts dopaminergic response in spatial neglect. <i>Cortex</i> , 2020, 122, 213-224.	2.4	7
61	The First Indian-Origin Family with Genetically Proven Cerebral Autosomal Dominant Arteriopathy with Subcortical Infarcts and Leukoencephalopathy (CADASIL). <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2013, 22, 28-31.	1.6	5
62	Comparison of flexible and rigid hand-grip control during a feed-forward visual tracking task. , 2015, , .		5
63	optimizing self-exercise scheduling in motor stroke using Challenge Point Framework theory. , 2019, 2019, 435-440.		5
64	Extent of white matter lesion is associated with early hemorrhagic transformation in acute ischemic stroke related to atrial fibrillation. <i>Brain and Behavior</i> , 2021, 11, e2250.	2.2	5
65	Lesson of the week: Degenerative cervical disc disease causing cord compression in adults under 50. <i>BMJ: British Medical Journal</i> , 2001, 322, 414-415.	2.3	4
66	SARS-CoV-2 antibody seroprevalence in NHS healthcare workers in a large double-sited UK hospital. <i>Clinical Medicine</i> , 2021, 21, e290-e294.	1.9	4
67	Myographic Information Enables Hand Function Classification in Automated Fugl-Meyer Assessment. , 2019, , .		3
68	Distinguishing early from late seizures after cerebral venous thrombosis. <i>Neurology</i> , 2020, 95, 513-514.	1.1	3
69	Silent brain infarction in the presence of systemic vascular disease. <i>JRSM Cardiovascular Disease</i> , 2012, 1, 1-9.	0.7	2
70	Collaborative Gaming to Enhance Patient Performance During Virtual Therapy. <i>Biosystems and Biorobotics</i> , 2017, , 375-379.	0.3	2
71	Spatial Semantic-Preserving Latent Space Learning for Accelerated DWI Diagnostic Report Generation. <i>Lecture Notes in Computer Science</i> , 2020, , 333-342.	1.3	2
72	A Rare Presentation of Orthostatic Tremor as Abdominal Tremor. <i>Tremor and Other Hyperkinetic Movements</i> , 2018, 8, 603.	2.0	2

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73	Neurological disorders – epilepsy, Parkinson's disease and multiple sclerosis. , 2012, , 349-370.		1
74	Coiling-associated delayed cerebral hypersensitivity: Is nickel the link?. Neurology, 2015, 85, 204-204.	1.1	1
75	A Rare Presentation of Orthostatic Tremor as Abdominal Tremor. Tremor and Other Hyperkinetic Movements, 2020, 8, 603.	2.0	1
76	An episodic eruption. Postgraduate Medical Journal, 2002, 78, 249-249.	1.8	0
77	Magnetic Resonance Imaging for Acute Minor Neurological Symptoms. JAMA Neurology, 2020, 77, 775.	9.0	0
78	PROTHROMBOTIC STATES AND RELATED CONDITIONS. , 2007, , 609-620.		0