

# Parashkev C Nachev

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

5,681  
citations

186265

28  
h-index

82547

72  
g-index

83  
all docs

83  
docs citations

83  
times ranked

7780  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional role of the supplementary and pre-supplementary motor areas. Nature Reviews Neuroscience, 2008, 9, 856-869.	10.2	1,491
2	Space and the parietal cortex. Trends in Cognitive Sciences, 2007, 11, 30-36.	7.8	433
3	NiftyNet: a deep-learning platform for medical imaging. Computer Methods and Programs in Biomedicine, 2018, 158, 113-122.	4.7	407
4	The role of the pre-supplementary motor area in the control of action. NeuroImage, 2007, 36, T155-T163.	4.2	346
5	Human Medial Frontal Cortex Mediates Unconscious Inhibition of Voluntary Action. Neuron, 2007, 54, 697-711.	8.1	304
6	Human brain lesion-deficit inference remapped. Brain, 2014, 137, 2522-2531.	7.6	304
7	Volition and Conflict in Human Medial Frontal Cortex. Current Biology, 2005, 15, 122-128.	3.9	286
8	Enantiomorphic normalization of focally lesioned brains. NeuroImage, 2008, 39, 1215-1226.	4.2	192
9	Attentional modulation of sensorimotor processes in the absence of perceptual awareness. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10520-10525.	7.1	135
10	Progressive Cortical Thinning in Patients With Focal Epilepsy. JAMA Neurology, 2019, 76, 1230.	9.0	132
11	Brain disconnections link structural connectivity with function and behaviour. Nature Communications, 2020, 11, 5094.	12.8	112
12	Full-waveform inversion imaging of the human brain. Npj Digital Medicine, 2020, 3, 28.	10.9	108
13	Comparing GABA-dependent physiological measures of inhibition with proton magnetic resonance spectroscopy measurement of GABA using ultra-high-field MRI. NeuroImage, 2017, 152, 360-370.	4.2	100
14	Predicting scheduled hospital attendance with artificial intelligence. Npj Digital Medicine, 2019, 2, 26.	10.9	84
15	Distinct Cortical and Collicular Mechanisms of Inhibition of Return Revealed with S Cone Stimuli. Current Biology, 2004, 14, 2259-2263.	3.9	82
16	The Neuroanatomical Correlates of Training-Related Perceptuo-Reflex Uncoupling in Dancers. Cerebral Cortex, 2015, 25, 554-562.	2.9	78
17	Control over Conflict during Movement Preparation: Role of Posterior Parietal Cortex. Neuron, 2008, 58, 144-157.	8.1	70
18	Association of Piriform Cortex Resection With Surgical Outcomes in Patients With Temporal Lobe Epilepsy. JAMA Neurology, 2019, 76, 690.	9.0	69

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19	Role of the human supplementary eye field in the control of saccadic eye movements. <i>Neuropsychologia</i> , 2007, 45, 997-1008.	1.6	59
20	The neural antecedents to voluntary action: A conceptual analysis. <i>Cognitive Neuroscience</i> , 2014, 5, 193-208.	1.4	55
21	Disorders of Visual Attention and the Posterior Parietal Cortex. <i>Cortex</i> , 2006, 42, 766-773.	2.4	51
22	Comment on "Detecting Awareness in the Vegetative State". <i>Science</i> , 2007, 315, 1221-1221.	12.6	51
23	Cognition and medial frontal cortex in health and disease. <i>Current Opinion in Neurology</i> , 2006, 19, 586-592.	3.6	48
24	The dimensionalities of lesion-deficit mapping. <i>Neuropsychologia</i> , 2018, 115, 134-141.	1.6	48
25	The Frontal Control of Stopping. <i>Cerebral Cortex</i> , 2015, 25, 4392-4406.	2.9	44
26	Space re-exploration in hemispatial neglect. <i>NeuroReport</i> , 2006, 17, 833-836.	1.2	39
27	A new method for automated high-dimensional lesion segmentation evaluated in vascular injury and applied to the human occipital lobe. <i>Cortex</i> , 2014, 56, 51-63.	2.4	32
28	The first step in modern lesion-deficit analysis: Figure 1. <i>Brain</i> , 2015, 138, e354-e354.	7.6	29
29	Which Visual Pathways Cause Fixation-Related Inhibition?. <i>Journal of Neurophysiology</i> , 2006, 95, 1527-1536.	1.8	28
30	High-dimensional therapeutic inference in the focally damaged human brain. <i>Brain</i> , 2018, 141, 48-54.	7.6	27
31	Resective surgery prevents progressive cortical thinning in temporal lobe epilepsy. <i>Brain</i> , 2020, 143, 3262-3272.	7.6	27
32	Action and the fallacy of the "internal": Comment on Passingham et al. <i>Trends in Cognitive Sciences</i> , 2010, 14, 192-193.	7.8	26
33	Probabilistic electrical stimulation mapping of human medial frontal cortex. <i>Cortex</i> , 2018, 109, 336-346.	2.4	22
34	Multi-domain Adaptation in Brain MRI Through Paired Consistency and Adversarial Learning. <i>Lecture Notes in Computer Science</i> , 2019, 2019, 54-62.	1.3	22
35	The blind executive. <i>NeuroImage</i> , 2011, 57, 312-313.	4.2	21
36	Modelling MR and clinical features in grade II/III astrocytomas to predict IDH mutation status. <i>European Journal of Radiology</i> , 2019, 114, 120-127.	2.6	21

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37	Fast high-resolution metabolic imaging of acute stroke with 3D magnetic resonance spectroscopy. <i>Brain</i> , 2020, 143, 3225-3233.	7.6	20
38	Cognitive estimation: Performance of patients with focal frontal and posterior lesions. <i>Neuropsychologia</i> , 2018, 115, 70-77.	1.6	18
39	The autonomic brain: Multi-dimensional generative hierarchical modelling of the autonomic connectome. <i>Cortex</i> , 2021, 143, 164-179.	2.4	18
40	Reclassifying stroke lesion anatomy. <i>Cortex</i> , 2021, 145, 1-12.	2.4	16
41	Cognitive Processes in Saccade Generation. <i>Annals of the New York Academy of Sciences</i> , 2005, 1039, 176-183.	3.8	15
42	Dynamic risk control by human nucleus accumbens. <i>Brain</i> , 2015, 138, 3496-3502.	7.6	15
43	Saccadometry of Conditional Rules in Presymptomatic Huntington's Disease. <i>Annals of the New York Academy of Sciences</i> , 2009, 1164, 444-450.	3.8	14
44	Metabolic lesion-deficit mapping of human cognition. <i>Brain</i> , 2020, 143, 877-890.	7.6	13
45	Constipation Predominant Irritable Bowel Syndrome and Functional Constipation Are Not Discrete Disorders: A Machine Learning Approach. <i>American Journal of Gastroenterology</i> , 2021, 116, 142-151.	0.4	13
46	Machine phenotyping of cluster headache and its response to verapamil. <i>Brain</i> , 2021, 144, 655-664.	7.6	12
47	Spatial and episodic memory tasks promote temporal lobe interictal spikes. <i>Annals of Neurology</i> , 2019, 86, 304-309.	5.3	10
48	The functional anatomy of the frontal lobes. <i>Nature Reviews Neuroscience</i> , 2009, 10, 829-829.	10.2	9
49	Magnetic Oculomotor Prosthetics for Acquired Nystagmus. <i>Ophthalmology</i> , 2017, 124, 1556-1564.	5.2	9
50	Lost in translation. <i>F1000Research</i> , 2018, 7, 620.	1.6	9
51	Multi-model mapping of phonemic fluency. <i>Brain Communications</i> , 2021, 3, fcab232.	3.3	9
52	Generative model-enhanced human motion prediction. <i>Applied AI Letters</i> , 2022, 3, .	2.2	9
53	Network topological determinants of pathogen spread. <i>Scientific Reports</i> , 2022, 12, 7692.	3.3	8
54	Quantifying the Impact of Chronic Ischemic Injury on Clinical Outcomes in Acute Stroke With Machine Learning. <i>Frontiers in Neurology</i> , 2020, 11, 15.	2.4	7

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55	Reversed Procrastination by Focal Disruption of Medial Frontal Cortex. <i>Current Biology</i> , 2016, 26, 2893-2898.	3.9	6
56	Redefining the research hospital. <i>Npj Digital Medicine</i> , 2019, 2, 119.	10.9	6
57	Functional Neuroanatomy: The Locus of Human Intelligence. <i>Current Biology</i> , 2009, 19, R418-R420.	3.9	5
58	Urges, inhibition, and voluntary action. <i>Cognitive Neuroscience</i> , 2011, 2, 247-248.	1.4	5
59	Neck atonia with a focal stimulation-induced seizure arising from the SMA: Pathophysiological considerations. <i>Epilepsy and Behavior</i> , 2012, 24, 503-506.	1.7	5
60	The neural antecedents to voluntary action: Response to commentaries. <i>Cognitive Neuroscience</i> , 2015, 6, 180-186.	1.4	5
61	The complexities of lesion-deficit inference in the human brain: Reply to Herbert et al.. <i>Cortex</i> , 2015, 64, 417-419.	2.4	5
62	The Value of Data: Applying a Public Value Model to the English National Health Service. <i>Journal of Medical Internet Research</i> , 2020, 22, e15816.	4.3	5
63	Volition and eye movements. <i>Progress in Brain Research</i> , 2008, 171, 391-398.	1.4	4
64	The Saccade-Related Local Field Potentials of the Superior Colliculus: A Functional Marker for Localizing the Periventricular and Periaqueductal Gray. <i>Journal of Clinical Neurophysiology</i> , 2009, 26, 280-287.	1.7	4
65	Orienting to fear under transient focal disruption of the human amygdala. <i>Brain</i> , 2023, 146, 135-148.	7.6	4
66	Machine prescription for chronic migraine. <i>Brain Communications</i> , 2022, 4, fca059.	3.3	3
67	Cognition and the supplementary motor complex. <i>Nature Reviews Neuroscience</i> , 2009, 10, 78-78.	10.2	2
68	The incompetence of competency assessments in neurology. <i>Practical Neurology</i> , 2010, 10, 335-338.	1.1	1
69	The scotogenic contact lens: a novel device for treating binocular diplopia. <i>British Journal of Ophthalmology</i> , 2015, 99, 1022-1024.	3.9	1
70	The neural basis of meta-volition. <i>Communications Biology</i> , 2019, 2, 101.	4.4	1
71	Neurodevelopmental Disorders: Sensing Tourette's Tics Away. <i>Current Biology</i> , 2020, 30, R698-R700.	3.9	1
72	Oculomotor Dysfunction in Parkinson's Disease. , 2013, , 379-389.		1

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73	Analyzing historical and future acute neurosurgical demand using an AI-enabled predictive dashboard. Scientific Reports, 2022, 12, 7603.	3.3	1
74	Internet teleneurology. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, 1134-1134.	1.9	0
75	Generating truth from error: insights from neurodevelopmental disorders. Brain, 2019, 142, 11-14.	7.6	0
76	Deconstructing Dizziness. Frontiers in Neurology, 2021, 12, 664107.	2.4	0
77	Multivariate Lesion-Deficit Mapping. , 2022, , 178-187.		0
78	Enrolment in clinical research at UCLH and geographically distributed indices of deprivation. Wellcome Open Research, 0, 6, 342.	1.8	0