

Govinda R Poudel

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

2,409
citations

279701

23
h-index

243529

44
g-index

79
all docs

79
docs citations

79
times ranked

2924
citing authors

#	ARTICLE	IF	CITATIONS
1	Longitudinal mapping of cortical surface changes in Huntington's Disease. <i>Brain Imaging and Behavior</i> , 2022, 16, 1381-1391.	1.1	3
2	Cortical thickness and resting-state cardiac function across the lifespan: A cross-sectional pooled mega-analysis. <i>Psychophysiology</i> , 2021, 58, e13688.	1.2	33
3	Cortical morphometry and neural dysfunction in Huntington's disease: a review. <i>European Journal of Neurology</i> , 2021, 28, 1406-1419.	1.7	6
4	Longitudinal fixel-based analysis reveals restoration of white matter alterations following balance training in young brain-injured patients. <i>NeuroImage: Clinical</i> , 2021, 30, 102621.	1.4	12
5	Navigating the link between processing speed and network communication in the human brain. <i>Brain Structure and Function</i> , 2021, 226, 1281-1302.	1.2	23
6	ENIGMA's Sleep: Challenges, opportunities, and the road map. <i>Journal of Sleep Research</i> , 2021, 30, e13347.	1.7	19
7	Modelling the Anatomic Distribution of Neurologic Events in Patients with COVID-19: A Systematic Review of MRI Findings. <i>American Journal of Neuroradiology</i> , 2021, 42, 1190-1195.	1.2	25
8	Tracking Huntington's Disease Progression Using Motor, Functional, Cognitive, and Imaging Markers. <i>Movement Disorders</i> , 2021, 36, 2282-2292.	2.2	10
9	Afraid of the dark: Light acutely suppresses activity in the human amygdala. <i>PLoS ONE</i> , 2021, 16, e0252350.	1.1	14
10	Individual differences in attentional lapses are associated with fiber-specific white matter microstructure in healthy adults. <i>Psychophysiology</i> , 2021, 58, e13871.	1.2	4
11	Early white matter pathology in the fornix of the limbic system in Huntington disease. <i>Acta Neuropathologica</i> , 2021, 142, 791-806.	3.9	13
12	RoWDI: rolling window detection of sleep intrusions in the awake brain using fMRI. <i>Journal of Neural Engineering</i> , 2021, 18, 056063.	1.8	6
13	Fixel-based Analysis of Diffusion MRI: Methods, Applications, Challenges and Opportunities. <i>NeuroImage</i> , 2021, 241, 118417.	2.1	117
14	Short-term and Long-term Rates of Postacute Sequelae of SARS-CoV-2 Infection. <i>JAMA Network Open</i> , 2021, 4, e2128568.	2.8	658
15	Investigating the neural signature of microsleeps using EEG. , 2021, 2021, 6293-6296.		0
16	Brain compensation during visuospatial working memory in premanifest Huntington's disease. <i>Neuropsychologia</i> , 2020, 136, 107262.	0.7	3
17	Effect of multidisciplinary rehabilitation on sleep outcomes in individuals with preclinical Huntington disease: An exploratory study. <i>Annals of Physical and Rehabilitation Medicine</i> , 2020, 63, 570-573.	1.1	6
18	Rate of torque development and striatal shape in individuals with prodromal Huntington's disease. <i>Scientific Reports</i> , 2020, 10, 15103.	1.6	2

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19	Neural Correlates of Attention Lapses During Continuous Tasks. , 2020, 2020, 3196-3199.		1
20	Dual tasking impairments are associated with striatal pathology in Huntington's disease. Annals of Clinical and Translational Neurology, 2020, 7, 1608-1619.	1.7	7
21	Brain compensation during response inhibition in premanifest Huntington's disease. Brain and Cognition, 2020, 141, 105560.	0.8	7
22	The effects of multidisciplinary rehabilitation on neuroimaging, biological, cognitive and motor outcomes in individuals with premanifest Huntington's disease. Journal of the Neurological Sciences, 2020, 416, 117022.	0.3	16
23	Network diffusion modeling predicts neurodegeneration in traumatic brain injury. Annals of Clinical and Translational Neurology, 2020, 7, 270-279.	1.7	29
24	Robust Markers and Sample Sizes for Multicenter Trials of Huntington Disease. Annals of Neurology, 2020, 87, 751-762.	2.8	22
25	International Mind, Activities and Urban Places (iMAP) study: methods of a cohort study on environmental and lifestyle influences on brain and cognitive health. BMJ Open, 2020, 10, e036607.	0.8	9
26	Exploring the brain-body composition relationship in Huntington's disease. Journal of Musculoskeletal Neuronal Interactions, 2020, 20, 332-338.	0.1	1
27	Network spread determines severity of degeneration and disconnection in Huntington's disease. Human Brain Mapping, 2019, 40, 4192-4201.	1.9	42
28	A critical review of brain and cognitive reserve in Huntington's disease. Neuroscience and Biobehavioral Reviews, 2018, 88, 155-169.	2.9	30
29	Temporal evolution of neural activity and connectivity during microsleeps when rested and following sleep restriction. NeuroImage, 2018, 174, 263-273.	2.1	30
30	Emotion processing in persons who respond vicariously towards others in pain: Disinhibited left-lateralized neural activity for threatening expressions. Laterality, 2018, 23, 184-208.	0.5	2
31	Oxytocin selectively modulates brain processing of disgust in Huntington's disease gene carriers. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 81, 11-16.	2.5	23
32	Imaging Individual Differences in the Response of the Human Suprachiasmatic Area to Light. Frontiers in Neurology, 2018, 9, 1022.	1.1	23
33	Longitudinal changes in the fronto-striatal network are associated with executive dysfunction and behavioral dysregulation in Huntington's disease: 30 months IMAGE-HD data. Cortex, 2017, 92, 139-149.	1.1	27
34	Neural correlates of decision-making during a Bayesian choice task. NeuroReport, 2017, 28, 193-199.	0.6	12
35	Microsleeps are Associated with Stage-2 Sleep Spindles from Hippocampal-Temporal Network. International Journal of Neural Systems, 2016, 26, 1650015.	3.2	16
36	Subjective sleep problems in Huntington's disease: A pilot investigation of the relationship to brain structure, neurocognitive, and neuropsychiatric function. Journal of the Neurological Sciences, 2016, 364, 148-153.	0.3	29

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37	Fronto-cerebellar dysfunction and dysconnectivity underlying cognition in friedreich ataxia: The IMAGE-FRDA study. <i>Human Brain Mapping</i> , 2016, 37, 338-350.	1.9	47
38	M5â€¦Neural networks linked to emotion processing modulated by intranasal oxytocin in huntingtonâ€™s disease gene-carriers. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, A103.1-A103.	0.9	0
39	Multimodal imaging biomarkers in premanifest and early Huntington's disease: 30-month IMAGE-HD data. <i>British Journal of Psychiatry</i> , 2016, 208, 571-578.	1.7	43
40	Time-varying effective connectivity of the cortical neuroelectric activity associated with behavioural microsleeps. <i>NeuroImage</i> , 2016, 124, 421-432.	2.1	30
41	Iron accumulation in the basal ganglia in Huntington's disease: cross-sectional data from the IMAGE-HD study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 545-549.	0.9	69
42	Functional Brain Correlates of Neuropsychiatric Symptoms in Presymptomatic Huntingtonâ€™s Disease: The IMAGE-HD Study. <i>Journal of Huntington's Disease</i> , 2015, 4, 325-332.	0.9	10
43	Longitudinal change in white matter microstructure in Huntington's disease: The IMAGE-HD study. <i>Neurobiology of Disease</i> , 2015, 74, 406-412.	2.1	89
44	Functional changes during working memory in Huntingtonâ€™s disease: 30-month longitudinal data from the IMAGE-HD study. <i>Brain Structure and Function</i> , 2015, 220, 501-512.	1.2	61
45	Characterising Upper Limb Movements in Huntington's Disease and the Impact of Restricted Visual Cues. <i>PLoS ONE</i> , 2015, 10, e0133709.	1.1	7
46	The multi-modal Australian ScienceS Imaging and Visualization Environment (MASSIVE) high performance computing infrastructure: applications in neuroscience and neuroinformatics research. <i>Frontiers in Neuroinformatics</i> , 2014, 8, 30.	1.3	68
47	Functional magnetic resonance imaging of working memory in Huntington's disease: Crossâ€™sectional data from the IMAGEâ€™HD study. <i>Human Brain Mapping</i> , 2014, 35, 1847-1864.	1.9	60
48	Abnormal synchrony of resting state networks in premanifest and symptomatic Huntington disease: the IMAGE-HD study. <i>Journal of Psychiatry and Neuroscience</i> , 2014, 39, 87-96.	1.4	63
49	Losing the struggle to stay awake: Divergent thalamic and cortical activity during microsleeps. <i>Human Brain Mapping</i> , 2014, 35, 257-269.	1.9	92
50	Comparison of beamformers for EEG source signal reconstruction. <i>Biomedical Signal Processing and Control</i> , 2014, 14, 175-188.	3.5	35
51	Voxel-ICA for reconstruction of source signal time-series and orientation in EEG and MEG. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2014, 37, 457-464.	1.4	6
52	Source-space ICA for EEG source separation, localization, and time-course reconstruction. <i>NeuroImage</i> , 2014, 101, 720-737.	2.1	45
53	White matter connectivity reflects clinical and cognitive status in Huntington's disease. <i>Neurobiology of Disease</i> , 2014, 65, 180-187.	2.1	85
54	Distinct neural correlates of time-on-task and transient errors during a visuomotor tracking task after sleep restriction. <i>NeuroImage</i> , 2013, 77, 105-113.	2.1	24

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55	Electromagnetic tomography via source-space-ICA. , 2013, 2013, 37-40.		2
56	Functional and connectivity changes during working memory in Huntington's disease: 18 month longitudinal data from the IMAGE-HD study. Brain and Cognition, 2013, 83, 80-91.	0.8	57
57	Efficient and Regular Patterns of Nighttime Sleep are Related to Increased Vulnerability to Microsleeps Following a Single Night of Sleep Restriction. Chronobiology International, 2013, 30, 1187-1196.	0.9	16
58	Multi-Modal Neuroimaging in Premanifest and Early Huntington's Disease: 18 Month Longitudinal Data from the IMAGE-HD Study. PLoS ONE, 2013, 8, e74131.	1.1	74
59	Cerebral Perfusion Differences Between Drowsy and Nondrowsy Individuals After Acute Sleep Restriction. Sleep, 2012, 35, 1085-1096.	0.6	63
60	Performance of beamformers on EEG source reconstruction. , 2012, 2012, 2517-21.		4
61	Time-varying functional connectivity for understanding the neural basis of behavioral microsleeps. , 2012, 2012, 4708-11.		2
62	Measurement of BOLD Changes Due to Cued Eye-Closure and Stopping During a Continuous Visuomotor Task via Model-Based and Model-Free Approaches. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2010, 18, 479-488.	2.7	8
63	The relationship between behavioural microsleeps, visuomotor performance and EEG theta. , 2010, 2010, 4452-5.		7
64	Behavioural microsleeps in normally-rested people. , 2010, 2010, 4448-51.		6
65	Lapses of responsiveness: Characteristics, detection, and underlying mechanisms. , 2010, 2010, 1788-91.		13
66	fMRI correlates of behavioural microsleeps during a continuous visuomotor task. , 2009, 2009, 2919-22.		13
67	Functional-MRI correlates of cued slow-eye-closure and task non-responsiveness during visuomotor tracking. , 2008, 2008, 4122-5.		2
68	Large-scale comparative visualisation of sets of multidimensional data. PeerJ Computer Science, 0, 2, e88.	2.7	10
69	Investigating longitudinal changes to frontal cortico-striatal tracts in Huntington's disease: the IMAGE-HD study. Brain Imaging and Behavior, 0, , .	1.1	0