

Govinda R Poudel

List of Publications by Year in descending order

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69
papers

2,409
citations

279701

23
h-index

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all docs

79
docs citations

79
times ranked

2924
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-term and Long-term Rates of Postacute Sequelae of SARS-CoV-2 Infection. JAMA Network Open, 2021, 4, e2128568.	2.8	658
2	Fixel-based Analysis of Diffusion MRI: Methods, Applications, Challenges and Opportunities. NeuroImage, 2021, 241, 118417.	2.1	117
3	Losing the struggle to stay awake: Divergent thalamic and cortical activity during microsleeps. Human Brain Mapping, 2014, 35, 257-269.	1.9	92
4	Longitudinal change in white matter microstructure in Huntington's disease: The IMAGE-HD study. Neurobiology of Disease, 2015, 74, 406-412.	2.1	89
5	White matter connectivity reflects clinical and cognitive status in Huntington's disease. Neurobiology of Disease, 2014, 65, 180-187.	2.1	85
6	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
7	Iron accumulation in the basal ganglia in Huntington's disease: cross-sectional data from the IMAGE-HD study. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 545-549.	0.9	69
8	The multi-modal Australian ScienceS Imaging and Visualization Environment (MASSIVE) high performance computing infrastructure: applications in neuroscience and neuroinformatics research. Frontiers in Neuroinformatics, 2014, 8, 30.	1.3	68
9	Cerebral Perfusion Differences Between Drowsy and Nondrowsy Individuals After Acute Sleep Restriction. Sleep, 2012, 35, 1085-1096.	0.6	63
10	Abnormal synchrony of resting state networks in premanifest and symptomatic Huntington disease: the IMAGE-HD study. Journal of Psychiatry and Neuroscience, 2014, 39, 87-96.	1.4	63
11	Functional changes during working memory in Huntington's disease: 30-month longitudinal data from the IMAGE-HD study. Brain Structure and Function, 2015, 220, 501-512.	1.2	61
12	Functional magnetic resonance imaging of working memory in Huntington's disease: Cross-sectional data from the IMAGE-HD study. Human Brain Mapping, 2014, 35, 1847-1864.	1.9	60
13	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
14	Fronto-cerebellar dysfunction and dysconnectivity underlying cognition in friedreich ataxia: The IMAGE-FRDA study. Human Brain Mapping, 2016, 37, 338-350.	1.9	47
15	Source-space ICA for EEG source separation, localization, and time-course reconstruction. NeuroImage, 2014, 101, 720-737.	2.1	45
16	Multimodal imaging biomarkers in premanifest and early Huntington's disease: 30-month IMAGE-HD data. British Journal of Psychiatry, 2016, 208, 571-578.	1.7	43
17	Network spread determines severity of degeneration and disconnection in Huntington's disease. Human Brain Mapping, 2019, 40, 4192-4201.	1.9	42
18	Comparison of beamformers for EEG source signal reconstruction. Biomedical Signal Processing and Control, 2014, 14, 175-188.	3.5	35

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19	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
20	Time-varying effective connectivity of the cortical neuroelectric activity associated with behavioural microsleeps. <i>NeuroImage</i> , 2016, 124, 421-432.	2.1	30
21	A critical review of brain and cognitive reserve in Huntington's disease. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 88, 155-169.	2.9	30
22	Temporal evolution of neural activity and connectivity during microsleeps when rested and following sleep restriction. <i>NeuroImage</i> , 2018, 174, 263-273.	2.1	30
23	Subjective sleep problems in Huntington's disease: A pilot investigation of the relationship to brain structure, neurocognitive, and neuropsychiatric function. <i>Journal of the Neurological Sciences</i> , 2016, 364, 148-153.	0.3	29
24	Network diffusion modeling predicts neurodegeneration in traumatic brain injury. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 270-279.	1.7	29
25	Longitudinal changes in the fronto-striatal network are associated with executive dysfunction and behavioral dysregulation in Huntington's disease: 30 months IMAGE-HD data. <i>Cortex</i> , 2017, 92, 139-149.	1.1	27
26	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
27	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
28	Oxytocin selectively modulates brain processing of disgust in Huntington's disease gene carriers. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 81, 11-16.	2.5	23
29	Imaging Individual Differences in the Response of the Human Suprachiasmatic Area to Light. <i>Frontiers in Neurology</i> , 2018, 9, 1022.	1.1	23
30	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
31	Robust Markers and Sample Sizes for Multicenter Trials of Huntington Disease. <i>Annals of Neurology</i> , 2020, 87, 751-762.	2.8	22
32	ENIGMA Sleep: Challenges, opportunities, and the road map. <i>Journal of Sleep Research</i> , 2021, 30, e13347.	1.7	19
33	Efficient and Regular Patterns of Nighttime Sleep are Related to Increased Vulnerability to Microsleeps Following a Single Night of Sleep Restriction. <i>Chronobiology International</i> , 2013, 30, 1187-1196.	0.9	16
34	Microsleeps are Associated with Stage-2 Sleep Spindles from Hippocampal-Temporal Network. <i>International Journal of Neural Systems</i> , 2016, 26, 1650015.	3.2	16
35	The effects of multidisciplinary rehabilitation on neuroimaging, biological, cognitive and motor outcomes in individuals with premanifest Huntington's disease. <i>Journal of the Neurological Sciences</i> , 2020, 416, 117022.	0.3	16
36	Afraid of the dark: Light acutely suppresses activity in the human amygdala. <i>PLoS ONE</i> , 2021, 16, e0252350.	1.1	14

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37	fMRI correlates of behavioural microsleeps during a continuous visuomotor task. , 2009, 2009, 2919-22.		13
38	Lapses of responsiveness: Characteristics, detection, and underlying mechanisms. , 2010, 2010, 1788-91.		13
39	Early white matter pathology in the fornix of the limbic system in Huntington disease. Acta Neuropathologica, 2021, 142, 791-806.	3.9	13
40	Neural correlates of decision-making during a Bayesian choice task. NeuroReport, 2017, 28, 193-199.	0.6	12
41	Longitudinal fixel-based analysis reveals restoration of white matter alterations following balance training in young brain-injured patients. NeuroImage: Clinical, 2021, 30, 102621.	1.4	12
42	Functional Brain Correlates of Neuropsychiatric Symptoms in Presymptomatic Huntingtonâ€™s Disease: The IMAGE-HD Study. Journal of Huntington's Disease, 2015, 4, 325-332.	0.9	10
43	Tracking Huntingtonâ€™s Disease Progression Using Motor, Functional, Cognitive, and Imaging Markers. Movement Disorders, 2021, 36, 2282-2292.	2.2	10
44	Large-scale comparative visualisation of sets of multidimensional data. PeerJ Computer Science, 0, 2, e88.	2.7	10
45	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
46	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
47	The relationship between behavioural microsleeps, visuomotor performance and EEG theta. , 2010, 2010, 4452-5.		7
48	Dual tasking impairments are associated with striatal pathology in Huntingtonâ€™s disease. Annals of Clinical and Translational Neurology, 2020, 7, 1608-1619.	1.7	7
49	Brain compensation during response inhibition in premanifest Huntingtonâ€™s disease. Brain and Cognition, 2020, 141, 105560.	0.8	7
50	Characterising Upper Limb Movements in Huntington's Disease and the Impact of Restricted Visual Cues. PLoS ONE, 2015, 10, e0133709.	1.1	7
51	Behavioural microsleeps in normally-rested people. , 2010, 2010, 4448-51.		6
52	Voxel-ICA for reconstruction of source signal time-series and orientation in EEG and MEG. Australasian Physical and Engineering Sciences in Medicine, 2014, 37, 457-464.	1.4	6
53	Effect of multidisciplinary rehabilitation on sleep outcomes in individuals with preclinical Huntington disease: An exploratory study. Annals of Physical and Rehabilitation Medicine, 2020, 63, 570-573.	1.1	6
54	Cortical morphometry and neural dysfunction in Huntingtonâ€™s disease: a review. European Journal of Neurology, 2021, 28, 1406-1419.	1.7	6

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55	RoWDI: rolling window detection of sleep intrusions in the awake brain using fMRI. Journal of Neural Engineering, 2021, 18, 056063.	1.8	6
56	Performance of beamformers on EEG source reconstruction. , 2012, 2012, 2517-21.		4
57	Individual differences in attentional lapses are associated with fiber-specific white matter microstructure in healthy adults. Psychophysiology, 2021, 58, e13871.	1.2	4
58	Brain compensation during visuospatial working memory in premanifest Huntington's disease. Neuropsychologia, 2020, 136, 107262.	0.7	3
59	Longitudinal mapping of cortical surface changes in Huntington's Disease. Brain Imaging and Behavior, 2022, 16, 1381-1391.	1.1	3
60	Functional-MRI correlates of cued slow-eye-closure and task non-responsiveness during visuomotor tracking. , 2008, 2008, 4122-5.		2
61	Time-varying functional connectivity for understanding the neural basis of behavioral microsleeps. , 2012, 2012, 4708-11.		2
62	Electromagnetic tomography via source-space-ICA. , 2013, 2013, 37-40.		2
63	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
64	Rate of torque development and striatal shape in individuals with prodromal Huntington's disease. Scientific Reports, 2020, 10, 15103.	1.6	2
65	Neural Correlates of Attention Lapses During Continuous Tasks. , 2020, 2020, 3196-3199.		1
66	Exploring the brain-body composition relationship in Huntington's disease. Journal of Musculoskeletal Neuronal Interactions, 2020, 20, 332-338.	0.1	1
67	M5's...Neural networks linked to emotion processing modulated by intranasal oxytocin in huntington's disease gene-carriers. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, A103.1-A103.	0.9	0
68	Investigating the neural signature of microsleeps using EEG. , 2021, 2021, 6293-6296.		0
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