

Govinda R Poudel

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

2,409
citations

279798

23
h-index

243625

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. | 2.1 | 3 |
| 2 | Cortical thickness and resting-state cardiac function across the lifespan: A cross-sectional pooled mega-analysis. <i>Psychophysiology</i> , 2021, 58, e13688. | 2.4 | 33 |
| 3 | Cortical morphometry and neural dysfunction in Huntington's disease: a review. <i>European Journal of Neurology</i> , 2021, 28, 1406-1419. | 3.3 | 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. | 2.7 | 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. | 2.3 | 23 |
| 6 | ENIGMA's Sleep: Challenges, opportunities, and the road map. <i>Journal of Sleep Research</i> , 2021, 30, e13347. | 3.2 | 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. | 2.4 | 25 |
| 8 | Tracking Huntington's Disease Progression Using Motor, Functional, Cognitive, and Imaging Markers. <i>Movement Disorders</i> , 2021, 36, 2282-2292. | 3.9 | 10 |
| 9 | Afraid of the dark: Light acutely suppresses activity in the human amygdala. <i>PLoS ONE</i> , 2021, 16, e0252350. | 2.5 | 14 |
| 10 | Individual differences in attentional lapses are associated with fiber-specific white matter microstructure in healthy adults. <i>Psychophysiology</i> , 2021, 58, e13871. | 2.4 | 4 |
| 11 | Early white matter pathology in the fornix of the limbic system in Huntington disease. <i>Acta Neuropathologica</i> , 2021, 142, 791-806. | 7.7 | 13 |
| 12 | RoWDI: rolling window detection of sleep intrusions in the awake brain using fMRI. <i>Journal of Neural Engineering</i> , 2021, 18, 056063. | 3.5 | 6 |
| 13 | Fixel-based Analysis of Diffusion MRI: Methods, Applications, Challenges and Opportunities. <i>NeuroImage</i> , 2021, 241, 118417. | 4.2 | 117 |
| 14 | Short-term and Long-term Rates of Postacute Sequelae of SARS-CoV-2 Infection. <i>JAMA Network Open</i> , 2021, 4, e2128568. | 5.9 | 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. | 1.6 | 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. | 2.3 | 6 |
| 18 | Rate of torque development and striatal shape in individuals with prodromal Huntington's disease. <i>Scientific Reports</i> , 2020, 10, 15103. | 3.3 | 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. | 3.7 | 7 |
| 21 | Brain compensation during response inhibition in premanifest Huntington's disease. Brain and Cognition, 2020, 141, 105560. | 1.8 | 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. | 0.6 | 16 |
| 23 | Network diffusion modeling predicts neurodegeneration in traumatic brain injury. Annals of Clinical and Translational Neurology, 2020, 7, 270-279. | 3.7 | 29 |
| 24 | Robust Markers and Sample Sizes for Multicenter Trials of Huntington Disease. Annals of Neurology, 2020, 87, 751-762. | 5.3 | 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. | 1.9 | 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. | 3.6 | 42 |
| 28 | A critical review of brain and cognitive reserve in Huntington's disease. Neuroscience and Biobehavioral Reviews, 2018, 88, 155-169. | 6.1 | 30 |
| 29 | Temporal evolution of neural activity and connectivity during microsleeps when rested and following sleep restriction. NeuroImage, 2018, 174, 263-273. | 4.2 | 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. | 1.0 | 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. | 4.8 | 23 |
| 32 | Imaging Individual Differences in the Response of the Human Suprachiasmatic Area to Light. Frontiers in Neurology, 2018, 9, 1022. | 2.4 | 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. | 2.4 | 27 |
| 34 | Neural correlates of decision-making during a Bayesian choice task. NeuroReport, 2017, 28, 193-199. | 1.2 | 12 |
| 35 | Microsleeps are Associated with Stage-2 Sleep Spindles from Hippocampal-Temporal Network. International Journal of Neural Systems, 2016, 26, 1650015. | 5.2 | 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. | 0.6 | 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. | 3.6 | 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. | 1.9 | 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. | 2.8 | 43 |
| 40 | Time-varying effective connectivity of the cortical neuroelectric activity associated with behavioural microsleeps. <i>NeuroImage</i> , 2016, 124, 421-432. | 4.2 | 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. | 1.9 | 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. | 1.9 | 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. | 4.4 | 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. | 2.3 | 61 |
| 45 | Characterising Upper Limb Movements in Huntington's Disease and the Impact of Restricted Visual Cues. <i>PLoS ONE</i> , 2015, 10, e0133709. | 2.5 | 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. | 2.5 | 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. | 3.6 | 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. | 2.4 | 63 |
| 49 | Losing the struggle to stay awake: Divergent thalamic and cortical activity during microsleeps. <i>Human Brain Mapping</i> , 2014, 35, 257-269. | 3.6 | 92 |
| 50 | Comparison of beamformers for EEG source signal reconstruction. <i>Biomedical Signal Processing and Control</i> , 2014, 14, 175-188. | 5.7 | 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. | 1.3 | 6 |
| 52 | Source-space ICA for EEG source separation, localization, and time-course reconstruction. <i>NeuroImage</i> , 2014, 101, 720-737. | 4.2 | 45 |
| 53 | White matter connectivity reflects clinical and cognitive status in Huntington's disease. <i>Neurobiology of Disease</i> , 2014, 65, 180-187. | 4.4 | 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. | 4.2 | 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. | 1.8 | 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. | 2.0 | 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. | 2.5 | 74 |
| 59 | Cerebral Perfusion Differences Between Drowsy and Nondrowsy Individuals After Acute Sleep Restriction. Sleep, 2012, 35, 1085-1096. | 1.1 | 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. | 4.9 | 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. | 4.5 | 10 |
| 69 | Investigating longitudinal changes to frontal cortico-striatal tracts in Huntington's disease: the IMAGE-HD study. Brain Imaging and Behavior, 0, , . | 2.1 | 0 |