

Neural masses and fields in dynamic causal modeling

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Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Understanding DCM: Ten simple rules for the clinician. <i>NeuroImage</i> , 2013, 83, 542-549. | 2.1 | 65 |
| 2 | Engineering a thalamo-cortico-thalamic circuit on SpiNNaker: a preliminary study toward modeling sleep and wakefulness. <i>Frontiers in Neural Circuits</i> , 2014, 8, 46. | 1.4 | 7 |
| 3 | Estimation of effective connectivity via data-driven neural modeling. <i>Frontiers in Neuroscience</i> , 2014, 8, 383. | 1.4 | 50 |
| 4 | A systematic framework for functional connectivity measures. <i>Frontiers in Neuroscience</i> , 2014, 8, 405. | 1.4 | 279 |
| 5 | MULTIPLE OSCILLATORY STATES IN MODELS OF COLLECTIVE NEURONAL DYNAMICS. <i>International Journal of Neural Systems</i> , 2014, 24, 1450020. | 3.2 | 28 |
| 6 | A neural mass model based on single cell dynamics to model pathophysiology. <i>Journal of Computational Neuroscience</i> , 2014, 37, 549-568. | 0.6 | 16 |
| 7 | Applying EEG phase synchronization measures to non-linearly coupled neural mass models. <i>Journal of Neuroscience Methods</i> , 2014, 226, 1-14. | 1.3 | 23 |
| 8 | Large-scale brain dynamics in disorders of consciousness. <i>Current Opinion in Neurobiology</i> , 2014, 25, 7-14. | 2.0 | 115 |
| 9 | Beyond the Connectome: The Dynome. <i>Neuron</i> , 2014, 83, 1319-1328. | 3.8 | 315 |
| 10 | Neocortical dynamics due to axon propagation delays in cortico-cortical fibers: EEG traveling and standing waves with implications for top-down influences on local networks and white matter disease. <i>Brain Research</i> , 2014, 1542, 138-166. | 1.1 | 47 |
| 11 | A tutorial on variational Bayes for latent linear stochastic time-series models. <i>Journal of Mathematical Psychology</i> , 2014, 60, 1-19. | 1.0 | 22 |
| 12 | Neural masses and fields: modeling the dynamics of brain activity. <i>Frontiers in Computational Neuroscience</i> , 2014, 8, 149. | 1.2 | 33 |
| 13 | Empirical Bayes for Group (DCM) Studies: A Reproducibility Study. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 670. | 1.0 | 41 |
| 14 | Characterising seizures in anti-NMDA-receptor encephalitis with dynamic causal modelling. <i>NeuroImage</i> , 2015, 118, 508-519. | 2.1 | 39 |
| 15 | Modeling multiple time scale firing rate adaptation in a neural network of local field potentials. <i>Journal of Computational Neuroscience</i> , 2015, 38, 189-202. | 0.6 | 8 |
| 16 | Tracking slow modulations in synaptic gain using dynamic causal modelling: Validation in epilepsy. <i>NeuroImage</i> , 2015, 107, 117-126. | 2.1 | 43 |
| 17 | On self-feedback connectivity in neural mass models applied to event-related potentials. <i>NeuroImage</i> , 2015, 108, 364-376. | 2.1 | 11 |
| 18 | Circuit to Construct Mapping: A Mathematical Tool for Assisting the Diagnosis and Treatment in Major Depressive Disorder. <i>Frontiers in Psychiatry</i> , 2015, 6, 29. | 1.3 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | A probabilistic method for determining cortical dynamics during seizures. <i>Journal of Computational Neuroscience</i> , 2015, 38, 559-575. | 0.6 | 6 |
| 20 | Characterization of Cortical Networks and Corticocortical Functional Connectivity Mediating Arbitrary Visuomotor Mapping. <i>Journal of Neuroscience</i> , 2015, 35, 12643-12658. | 1.7 | 41 |
| 21 | Parametric estimation of cross-frequency coupling. <i>Journal of Neuroscience Methods</i> , 2015, 243, 94-102. | 1.3 | 44 |
| 22 | Random graph theory and neuropercolation for modeling brain oscillations at criticality. <i>Current Opinion in Neurobiology</i> , 2015, 31, 181-188. | 2.0 | 37 |
| 23 | Eyes Open on Sleep and Wake: In Vivo to In Silico Neural Networks. <i>Neural Plasticity</i> , 2016, 2016, 1-13. | 1.0 | 2 |
| 24 | Causal Role of Thalamic Interneurons in Brain State Transitions: A Study Using a Neural Mass Model Implementing Synaptic Kinetics. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 115. | 1.2 | 15 |
| 25 | Brain Network Activation Analysis Utilizing Spatiotemporal Features for Event Related Potentials Classification. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 137. | 1.2 | 10 |
| 26 | The Cluster Variation Method: A Primer for Neuroscientists. <i>Brain Sciences</i> , 2016, 6, 44. | 1.1 | 5 |
| 27 | Multiscale modeling of brain dynamics: from single neurons and networks to mathematical tools. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2016, 8, 438-458. | 6.6 | 32 |
| 28 | Neural mass model-based tracking of anesthetic brain states. <i>NeuroImage</i> , 2016, 133, 438-456. | 2.1 | 37 |
| 29 | Intersubject variability and induced gamma in the visual cortex: DCM with empirical γ and neural fields. <i>Human Brain Mapping</i> , 2016, 37, 4597-4614. | 1.9 | 22 |
| 30 | Computational models as statistical tools. <i>Current Opinion in Behavioral Sciences</i> , 2016, 11, 93-99. | 2.0 | 19 |
| 31 | Circadian dynamics in measures of cortical excitation and inhibition balance. <i>Scientific Reports</i> , 2016, 6, 33661. | 1.6 | 58 |
| 32 | Inputs to prefrontal cortex support visual recognition in the aging brain. <i>Scientific Reports</i> , 2016, 6, 31943. | 1.6 | 22 |
| 33 | Computational modelling of movement-related beta-oscillatory dynamics in human motor cortex. <i>NeuroImage</i> , 2016, 133, 224-232. | 2.1 | 40 |
| 34 | Probabilistic delay differential equation modeling of event-related potentials. <i>NeuroImage</i> , 2016, 136, 227-257. | 2.1 | 9 |
| 35 | A hemodynamic model for layered BOLD signals. <i>NeuroImage</i> , 2016, 125, 556-570. | 2.1 | 128 |
| 36 | Time-Variant Modeling of Brain Processes. <i>Proceedings of the IEEE</i> , 2016, 104, 262-281. | 16.4 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Profiling neuronal ion channelopathies with non-invasive brain imaging and dynamic causal models: Case studies of single gene mutations. <i>NeuroImage</i> , 2016, 124, 43-53. | 2.1 | 33 |
| 38 | Dynamic causal modelling of electrographic seizure activity using Bayesian belief updating. <i>NeuroImage</i> , 2016, 125, 1142-1154. | 2.1 | 41 |
| 39 | Tracking Electroencephalographic Changes Using Distributions of Linear Models: Application to Propofol-Based Depth of Anesthesia Monitoring. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 870-881. | 2.5 | 9 |
| 40 | Macroscopic neural mass model constructed from a current-based network model of spiking neurons. <i>Biological Cybernetics</i> , 2017, 111, 91-103. | 0.6 | 0 |
| 41 | Abnormal frontoparietal synaptic gain mediating the P300 in patients with psychotic disorder and their unaffected relatives. <i>Human Brain Mapping</i> , 2017, 38, 3262-3276. | 1.9 | 21 |
| 42 | A Rapid Subcortical Amygdala Route for Faces Irrespective of Spatial Frequency and Emotion. <i>Journal of Neuroscience</i> , 2017, 37, 3864-3874. | 1.7 | 80 |
| 43 | On the Global Dynamics of an Electroencephalographic Mean Field Model of the Neocortex. <i>SIAM Journal on Applied Dynamical Systems</i> , 2017, 16, 1969-2029. | 0.7 | 6 |
| 44 | Empirical validation of directed functional connectivity. <i>NeuroImage</i> , 2017, 146, 275-287. | 2.1 | 33 |
| 45 | Dynamic causal modelling of seizure activity in a rat model. <i>NeuroImage</i> , 2017, 146, 518-532. | 2.1 | 27 |
| 46 | A neural mass model of cross frequency coupling. <i>PLoS ONE</i> , 2017, 12, e0173776. | 1.1 | 18 |
| 47 | Modulation of task-related cortical connectivity in the acute and subacute phase after stroke. <i>European Journal of Neuroscience</i> , 2018, 47, 1024-1032. | 1.2 | 11 |
| 48 | Peak visual gamma frequency is modified across the healthy menstrual cycle. <i>Human Brain Mapping</i> , 2018, 39, 3187-3202. | 1.9 | 33 |
| 49 | Generative models for clinical applications in computational psychiatry. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2018, 9, e1460. | 1.4 | 34 |
| 50 | Dynamic Causal Modeling and Its Application to Psychiatric Disorders. , 2018, , 117-144. | | 4 |
| 51 | Ion channels in EEG: isolating channel dysfunction in NMDA receptor antibody encephalitis. <i>Brain</i> , 2018, 141, 1691-1702. | 3.7 | 58 |
| 52 | Human fronto-parietal response scattering subserves vigilance at night. <i>NeuroImage</i> , 2018, 175, 354-364. | 2.1 | 18 |
| 53 | MULAN: Evaluation and ensemble statistical inference for functional connectivity. <i>NeuroImage</i> , 2018, 166, 167-184. | 2.1 | 16 |
| 54 | Great Expectations: Is there Evidence for Predictive Coding in Auditory Cortex?. <i>Neuroscience</i> , 2018, 389, 54-73. | 1.1 | 281 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Context-Dependent Risk Aversion: A Model-Based Approach. <i>Frontiers in Psychology</i> , 2018, 9, 2053. | 1.1 | 5 |
| 56 | Repetition Priming Effects for Famous Faces through Dynamic Causal Modelling of Latency-Corrected Event-Related Brain Potentials. <i>European Journal of Neuroscience</i> , 2018, 49, 1330-1347. | 1.2 | 6 |
| 57 | NMDA-receptor antibodies alter cortical microcircuit dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9916-E9925. | 3.3 | 39 |
| 58 | Calcium imaging and dynamic causal modelling reveal brain-wide changes in effective connectivity and synaptic dynamics during epileptic seizures. <i>PLoS Computational Biology</i> , 2018, 14, e1006375. | 1.5 | 57 |
| 59 | Generic dynamic causal modelling: An illustrative application to Parkinson's disease. <i>NeuroImage</i> , 2018, 181, 818-830. | 2.1 | 41 |
| 60 | Resting-state neural activity and connectivity associated with subjective happiness. <i>Scientific Reports</i> , 2019, 9, 12098. | 1.6 | 24 |
| 61 | Dynamic causal modeling for calcium imaging: Exploration of differential effective connectivity for sensory processing in a barrel cortical column. <i>NeuroImage</i> , 2019, 201, 116008. | 2.1 | 4 |
| 62 | Neural field models for latent state inference: Application to large-scale neuronal recordings. <i>PLoS Computational Biology</i> , 2019, 15, e1007442. | 1.5 | 5 |
| 63 | Dynamic causal modelling of fluctuating connectivity in resting-state EEG. <i>NeuroImage</i> , 2019, 189, 476-484. | 2.1 | 37 |
| 64 | A guide to group effective connectivity analysis, part 1: First level analysis with DCM for fMRI. <i>NeuroImage</i> , 2019, 200, 174-190. | 2.1 | 242 |
| 65 | Increasing robustness of pairwise methods for effective connectivity in magnetic resonance imaging by using fractional moment series of BOLD signal distributions. <i>Network Neuroscience</i> , 2019, 3, 1009-1037. | 1.4 | 5 |
| 66 | A new computational approach to estimate whole-brain effective connectivity from functional and structural MRI, applied to language development. <i>Scientific Reports</i> , 2019, 9, 8479. | 1.6 | 16 |
| 67 | Dynamic Causal Modelling of Active Vision. <i>Journal of Neuroscience</i> , 2019, 39, 6265-6275. | 1.7 | 15 |
| 68 | The Neural Dynamics of Novel Scene Imagery. <i>Journal of Neuroscience</i> , 2019, 39, 4375-4386. | 1.7 | 74 |
| 69 | Dynamic Causal Modeling of the Relationship between Cognition and Theta-alpha Oscillations in Adults with Down Syndrome. <i>Cerebral Cortex</i> , 2019, 29, 2279-2290. | 1.6 | 20 |
| 70 | Neuronal message passing using Mean-field, Bethe, and Marginal approximations. <i>Scientific Reports</i> , 2019, 9, 1889. | 1.6 | 88 |
| 71 | Thalamocortical dynamics underlying spontaneous transitions in beta power in Parkinsonism. <i>NeuroImage</i> , 2019, 193, 103-114. | 2.1 | 21 |
| 72 | Neurophysiological effects of continuous cortical stimulation in epilepsy - Spike and spontaneous ECoG activity. <i>Clinical Neurophysiology</i> , 2019, 130, 38-45. | 0.7 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Estimating Directed Connectivity from Cortical Recordings and Reconstructed Sources. <i>Brain Topography</i> , 2019, 32, 741-752. | 0.8 | 24 |
| 74 | Working Memory Load Modulates Neuronal Coupling. <i>Cerebral Cortex</i> , 2019, 29, 1670-1681. | 1.6 | 22 |
| 75 | Dynamic causal modelling revisited. <i>NeuroImage</i> , 2019, 199, 730-744. | 2.1 | 196 |
| 76 | Co-registration of eye movements and neuroimaging for studying contextual predictions in natural reading. <i>Language, Cognition and Neuroscience</i> , 2020, 35, 595-612. | 0.7 | 17 |
| 77 | Dynamic effective connectivity. <i>NeuroImage</i> , 2020, 207, 116453. | 2.1 | 48 |
| 78 | Dynamic Causal Modeling for fMRI With Wilson-Cowan-Based Neuronal Equations. <i>Frontiers in Neuroscience</i> , 2020, 14, 593867. | 1.4 | 14 |
| 79 | Modules or Mean-Fields?. <i>Entropy</i> , 2020, 22, 552. | 1.1 | 34 |
| 80 | Dynamic Causal Modelling of the Reduced Habituation to Painful Stimuli in Migraine: An EEG Study. <i>Brain Sciences</i> , 2020, 10, 712. | 1.1 | 11 |
| 81 | Low-dimensional firing-rate dynamics for populations of renewal-type spiking neurons. <i>Physical Review E</i> , 2020, 102, 022407. | 0.8 | 13 |
| 82 | Active inference on discrete state-spaces: A synthesis. <i>Journal of Mathematical Psychology</i> , 2020, 99, 102447. | 1.0 | 119 |
| 83 | Changes in the Effective Connectivity of the Social Brain When Making Inferences About Close Others vs. the Self. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 151. | 1.0 | 16 |
| 84 | Decomposing neural responses to melodic surprise in musicians and non-musicians: Evidence for a hierarchy of predictions in the auditory system. <i>NeuroImage</i> , 2020, 215, 116816. | 2.1 | 28 |
| 85 | GABA-ergic Dynamics in Human Frontotemporal Networks Confirmed by Pharmacology-Magnetoencephalography. <i>Journal of Neuroscience</i> , 2020, 40, 1640-1649. | 1.7 | 27 |
| 86 | Comparing dynamic causal models of neurovascular coupling with fMRI and EEG/MEG. <i>NeuroImage</i> , 2020, 216, 116734. | 2.1 | 31 |
| 87 | Dynamic causal modeling of hippocampal activity measured via mesoscopic voltage-sensitive dye imaging. <i>NeuroImage</i> , 2020, 213, 116755. | 2.1 | 1 |
| 88 | Thalamocortical inhibitory dynamics support conscious perception. <i>NeuroImage</i> , 2020, 220, 117066. | 2.1 | 7 |
| 89 | vmPFC Drives Hippocampal Processing during Autobiographical Memory Recall Regardless of Remoteness. <i>Cerebral Cortex</i> , 2020, 30, 5972-5987. | 1.6 | 71 |
| 90 | Musical prediction error responses similarly reduced by predictive uncertainty in musicians and non-musicians. <i>European Journal of Neuroscience</i> , 2020, 51, 2250-2269. | 1.2 | 25 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Bayesian fusion and multimodal DCM for EEG and fMRI. <i>NeuroImage</i> , 2020, 211, 116595. | 2.1 | 30 |
| 92 | The Role of Hippocampal and Ventromedial Prefrontal Cortex Neural Dynamics in Building Mental Representations. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 89-103. | 1.1 | 24 |
| 93 | Parcels and particles: Markov blankets in the brain. <i>Network Neuroscience</i> , 2021, 5, 211-251. | 1.4 | 48 |
| 94 | Cognition coming about: Self-organisation and free-energy. <i>Physics of Life Reviews</i> , 2021, 36, 44-46. | 1.5 | 3 |
| 97 | Pairwise maximum entropy model explains the role of white matter structure in shaping emergent co-activation states. <i>Communications Biology</i> , 2021, 4, 210. | 2.0 | 10 |
| 98 | Evaluating Effective Connectivity of Trust in Human-Automation Interaction: A Dynamic Causal Modeling (DCM) Study. <i>Human Factors</i> , 2022, 64, 1051-1069. | 2.1 | 6 |
| 100 | Neural Dynamics under Active Inference: Plausibility and Efficiency of Information Processing. <i>Entropy</i> , 2021, 23, 454. | 1.1 | 22 |
| 101 | A computational framework for optimal control of a self-adjustive neural system with activity-dependent and homeostatic plasticity. <i>NeuroImage</i> , 2021, 230, 117805. | 2.1 | 2 |
| 103 | SEED-G: Simulated EEG Data Generator for Testing Connectivity Algorithms. <i>Sensors</i> , 2021, 21, 3632. | 2.1 | 15 |
| 104 | Dynamic causal modelling of immune heterogeneity. <i>Scientific Reports</i> , 2021, 11, 11400. | 1.6 | 3 |
| 105 | Markov blankets in the brain. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 125, 88-97. | 2.9 | 29 |
| 106 | Cortical signatures of precision grip force control in children, adolescents, and adults. <i>ELife</i> , 2021, 10, . | 2.8 | 6 |
| 107 | TAPAS: An Open-Source Software Package for Translational Neuromodeling and Computational Psychiatry. <i>Frontiers in Psychiatry</i> , 2021, 12, 680811. | 1.3 | 69 |
| 108 | An introduction to thermodynamic integration and application to dynamic causal models. <i>Cognitive Neurodynamics</i> , 2022, 16, 1-15. | 2.3 | 4 |
| 109 | Musicianship and melodic predictability enhance neural gain in auditory cortex during pitch deviance detection. <i>Human Brain Mapping</i> , 2021, 42, 5595-5608. | 1.9 | 11 |
| 110 | Patient-Specific Network Connectivity Combined With a Next Generation Neural Mass Model to Test Clinical Hypothesis of Seizure Propagation. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 675272. | 1.2 | 12 |
| 111 | Adiabatic dynamic causal modelling. <i>NeuroImage</i> , 2021, 238, 118243. | 2.1 | 16 |
| 112 | Multimodal electrophysiological analyses reveal that reduced synaptic excitatory neurotransmission underlies seizures in a model of NMDAR antibody-mediated encephalitis. <i>Communications Biology</i> , 2021, 4, 1106. | 2.0 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 113 | Technical note: A fast and robust integrator of delay differential equations in DCM for electrophysiological data. <i>NeuroImage</i> , 2021, 244, 118567. | 2.1 | 4 |
| 114 | Predicting neuronal response properties from hemodynamic responses in the auditory cortex. <i>NeuroImage</i> , 2021, 244, 118575. | 2.1 | 4 |
| 115 | A brain atlas of axonal and synaptic delays based on modelling of cortico-cortical evoked potentials. <i>Brain</i> , 2022, 145, 1653-1667. | 3.7 | 34 |
| 116 | Modelling thalamocortical circuitry shows that visually induced LTP changes laminar connectivity in human visual cortex. <i>PLoS Computational Biology</i> , 2021, 17, e1008414. | 1.5 | 6 |
| 118 | DCM, Conductance Based Models and Clinical Applications. <i>Springer Series in Computational Neuroscience</i> , 2015, , 43-70. | 0.3 | 6 |
| 119 | Multilevel Computational Modelling in Epilepsy: Classical Studies and Recent Advances. <i>Springer Series in Computational Neuroscience</i> , 2015, , 161-188. | 0.3 | 4 |
| 120 | A Neural Mass Computational Framework to Study Synaptic Mechanisms Underlying Alpha and Theta Rhythms. <i>Springer Series in Bio-/neuroinformatics</i> , 2017, , 405-427. | 0.1 | 3 |
| 121 | Directed connectivity between primary and premotor areas underlying ankle force control in young and older adults. <i>NeuroImage</i> , 2020, 218, 116982. | 2.1 | 11 |
| 127 | Dynamic causal modelling of COVID-19. <i>Wellcome Open Research</i> , 2020, 5, 89. | 0.9 | 32 |
| 128 | Dynamic causal modelling of COVID-19. <i>Wellcome Open Research</i> , 2020, 5, 89. | 0.9 | 41 |
| 129 | Towards a theory of cortical columns: From spiking neurons to interacting neural populations of finite size. <i>PLoS Computational Biology</i> , 2017, 13, e1005507. | 1.5 | 112 |
| 130 | Classifying dynamic transitions in high dimensional neural mass models: A random forest approach. <i>PLoS Computational Biology</i> , 2018, 14, e1006009. | 1.5 | 13 |
| 132 | Conductance-based dynamic causal modeling: A mathematical review of its application to cross-power spectral densities. <i>NeuroImage</i> , 2021, 245, 118662. | 2.1 | 10 |
| 133 | Causal Modeling: Methods and Their Application to Speech and Language. <i>Innovations in Cognitive Neuroscience</i> , 2017, , 155-174. | 0.3 | 0 |
| 134 | Dynamic Causal Modelling of Dynamic Dysfunction in NMDA-Receptor Antibody Encephalitis. <i>Springer Series in Bio-/neuroinformatics</i> , 2017, , 121-148. | 0.1 | 1 |
| 152 | Odor valence modulates cortico-cortical interactions: a preliminary study using DCM for EEG. , 2021, 2021, 604-607. | | 2 |
| 153 | Causal Evidence for the Multiple Demand Network in Change Detection: Auditory Mismatch Magnetoencephalography across Focal Neurodegenerative Diseases. <i>Journal of Neuroscience</i> , 2022, 42, 3197-3215. | 1.7 | 14 |
| 156 | Statistical Perspective on Functional and Causal Neural Connectomics: A Comparative Study. <i>Frontiers in Systems Neuroscience</i> , 2022, 16, 817962. | 1.2 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 157 | A review of computational models for gamma oscillation dynamics: from spiking neurons to neural masses. <i>Nonlinear Dynamics</i> , 2022, 108, 1849-1866. | 2.7 | 12 |
| 158 | On the benefit of overparameterization in state reconstruction. , 2021, , . | | 3 |
| 164 | Whole-Brain Modelling: Past, Present, and Future. <i>Advances in Experimental Medicine and Biology</i> , 2022, 1359, 313-355. | 0.8 | 2 |
| 165 | Altered excitatory and inhibitory neuronal subpopulation parameters are distinctly associated with tau and amyloid in Alzheimer's disease. <i>ELife</i> , 0, 11, . | 2.8 | 45 |
| 167 | Case Report: Prolonged Effects of Short-Term Transcranial Magnetic Stimulation on EEG Biomarkers, Spectral Power, and Seizure Frequency. <i>Frontiers in Neuroscience</i> , 0, 16, . | 1.4 | 5 |
| 169 | Generative Models of Brain Dynamics. <i>Frontiers in Artificial Intelligence</i> , 0, 5, . | 2.0 | 11 |
| 170 | Investigation on how dynamic effective connectivity patterns encode the fluctuating pain intensity in chronic migraine. <i>Neurobiology of Pain (Cambridge, Mass)</i> , 2022, 12, 100100. | 1.0 | 1 |
| 171 | Source Models. , 2022, , 89-133. | | 0 |
| 172 | Toward biophysical markers of depression vulnerability. <i>Frontiers in Psychiatry</i> , 0, 13, . | 1.3 | 1 |
| 175 | A systematic review of the prediction of consumer preference using EEG measures and machine-learning in neuromarketing research. <i>Brain Informatics</i> , 2022, 9, . | 1.8 | 7 |
| 176 | Closed-form continuous-time neural networks. <i>Nature Machine Intelligence</i> , 2022, 4, 992-1003. | 8.3 | 16 |
| 177 | Dynamic interactions between anterior insula and anterior cingulate cortex link perceptual features and heart rate variability during movie viewing. <i>Network Neuroscience</i> , 0, , 1-37. | 1.4 | 0 |
| 178 | Editorial: Understanding in the human and the machine. <i>Frontiers in Systems Neuroscience</i> , 0, 16, . | 1.2 | 0 |
| 180 | Whole-brain dynamical modelling for classification of Parkinson's disease. <i>Brain Communications</i> , 2022, 5, . | 1.5 | 5 |
| 181 | Frequency dependent emotion differentiation and directional coupling in amygdala, orbitofrontal and medial prefrontal cortex network with intracranial recordings. <i>Molecular Psychiatry</i> , 2023, 28, 1636-1646. | 4.1 | 4 |
| 182 | Global dynamics of neural mass models. <i>PLoS Computational Biology</i> , 2023, 19, e1010915. | 1.5 | 5 |
| 183 | Improved Neurophysiological Process Imaging through Optimisation of Kalman Filter Initial Conditions. <i>International Journal of Neural Systems</i> , 0, , . | 3.2 | 1 |
| 185 | Minimizing the distortions in electrophysiological source imaging of cortical oscillatory activity via Spectral Structured Sparse Bayesian Learning. <i>Frontiers in Neuroscience</i> , 0, 17, . | 1.4 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 187 | Modeling the relationship between neuronal activity and the BOLD signal: contributions from astrocyte calcium dynamics. Scientific Reports, 2023, 13, . | 1.6 | 5 |
| 194 | Human body odour modulates neural processing of faces: effective connectivity analysis using EEG. , 2023, , . | | 0 |
| 204 | Resting-State fMRI Advances for Functional Brain Dynamics. , 0, , . | | 0 |