

CITATION REPORT

List of articles citing

Functional reorganization in thalamocortical networks: transition between spindling and delta sleep rhythm

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| # | Paper | IF | Citations |
|----|---|-----|-----------|
| 58 | Synchronous oscillatory activity in sensory systems: new vistas on mechanisms. <i>Current Opinion in Neurobiology</i> , 1997 , 7, 536-46 | 7.6 | 147 |
| 57 | Lack of regulation by intracellular Ca ²⁺ of the hyperpolarization-activated cation current in rat thalamic neurones. <i>Journal of Physiology</i> , 1997 , 503 (Pt 1), 79-85 | 3.9 | 42 |
| 56 | Synchronization and oscillatory dynamics in heterogeneous, mutually inhibited neurons. <i>Journal of Computational Neuroscience</i> , 1998 , 5, 5-16 | 1.4 | 305 |
| 55 | Frequency control in synchronized networks of inhibitory neurons. <i>Journal of Computational Neuroscience</i> , 1998 , 5, 407-20 | 1.4 | 88 |
| 54 | Impact of temporal variation and the balance between excitation and inhibition on the output of the perfect integrate-and-fire model. <i>Biological Cybernetics</i> , 1998 , 78, 369-76 | 2.8 | 34 |
| 53 | Networks of neurons as dynamical systems: from geometry to biophysics. <i>Quarterly of Applied Mathematics</i> , 1998 , 56, 707-718 | 0.7 | 4 |
| 52 | Pulsatile cortisol secretion and EEG delta waves are controlled by two independent but synchronized generators. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998 , 275, E94-100 | 6 | 10 |
| 51 | Alpha-frequency rhythms desynchronize over long cortical distances: a modeling study. <i>Journal of Computational Neuroscience</i> , 2000 , 9, 271-91 | 1.4 | 80 |
| 50 | Geometric analysis of population rhythms in synaptically coupled neuronal networks. <i>Neural Computation</i> , 2000 , 12, 597-645 | 2.9 | 64 |
| 49 | Preface. 2001 , xi-xii | | |
| 48 | Pioneering steps in studies on sleep and epilepsy. 2001 , 1-12 | | |
| 47 | Neuronal types and circuits in sleep and epilepsy. 2001 , 13-88 | | |
| 46 | Neuronal properties, network operations and behavioral signs during sleep states and wakefulness. 2001 , 89-208 | | |
| 45 | Plastic changes in thalamocortical systems developing from low-frequency sleep oscillations. 2001 , 209-284 | | |
| 44 | Neuronal mechanisms of seizures. 2001 , 285-424 | | |
| 43 | References. 2001 , 425-517 | | |
| 42 | Plate section. 2001 , | | |

| | | | |
|----|---|------|-----|
| 41 | Neural mechanisms for generating rate and temporal codes in model CA3 pyramidal cells. <i>Journal of Neurophysiology</i> , 2001 , 85, 2432-45 | 3.2 | 25 |
| 40 | Localized bumps of activity sustained by inhibition in a two-layer thalamic network. <i>Journal of Computational Neuroscience</i> , 2001 , 10, 313-31 | 1.4 | 26 |
| 39 | Role of synaptic delay in organizing the behavior of networks of self-inhibiting neurons. <i>Physical Review E</i> , 2001 , 63, 021908 | 2.4 | 20 |
| 38 | Geometric Singular Perturbation Analysis of Neuronal Dynamics. <i>Handbook of Dynamical Systems</i> , 2002 , 2, 93-146 | | 30 |
| 37 | High-frequency, depressing inhibition facilitates synchronization in globally inhibitory networks. <i>Network: Computation in Neural Systems</i> , 2003 , 14, 647-672 | 0.7 | 2 |
| 36 | Interactions between membrane conductances underlying thalamocortical slow-wave oscillations. <i>Physiological Reviews</i> , 2003 , 83, 1401-53 | 47.9 | 175 |
| 35 | Slow oscillation in non-lemniscal auditory thalamus. <i>Journal of Neuroscience</i> , 2003 , 23, 8281-90 | 6.6 | 41 |
| 34 | Short duty cycle destabilizes a half-center oscillator, but gap junctions can restabilize the anti-phase pattern. <i>Journal of Neurophysiology</i> , 2004 , 91, 693-703 | 3.2 | 49 |
| 33 | Neurophysiologically-based mean-field modelling of tonic cortical activity in post-traumatic stress disorder (PTSD), schizophrenia, first episode schizophrenia and attention deficit hyperactivity disorder (ADHD). <i>Journal of Integrative Neuroscience</i> , 2004 , 3, 453-87 | 1.5 | 20 |
| 32 | Pharmacologic evidence for abnormal thalamocortical functioning in GABA receptor beta3 subunit-deficient mice, a model of Angelman syndrome. <i>Epilepsia</i> , 2005 , 46, 1860-70 | 6.4 | 21 |
| 31 | Biophysical modeling of tonic cortical electrical activity in attention deficit hyperactivity disorder. <i>International Journal of Neuroscience</i> , 2005 , 115, 1273-305 | 2 | 26 |
| 30 | . <i>Proceedings of the IEEE</i> , 2006 , 94, 784-804 | 14.3 | 35 |
| 29 | Development of MEG sleep patterns and magnetic auditory evoked responses during early infancy. <i>Clinical Neurophysiology</i> , 2006 , 117, 522-30 | 4.3 | 20 |
| 28 | Dynamical principles in neuroscience. <i>Reviews of Modern Physics</i> , 2006 , 78, 1213-1265 | 40.5 | 533 |
| 27 | Transitions between irregular and rhythmic firing patterns in excitatory-inhibitory neuronal networks. <i>Journal of Computational Neuroscience</i> , 2007 , 23, 217-35 | 1.4 | 36 |
| 26 | The role of cortical feedback in the generation of the temporal receptive field responses of lateral geniculate nucleus neurons: a computational modelling study. <i>Biological Cybernetics</i> , 2007 , 97, 269-77 | 2.8 | 18 |
| 25 | Reducing Neuronal Networks to Discrete Dynamics. <i>Physica D: Nonlinear Phenomena</i> , 2008 , 237, 324-338 | 3.3 | 26 |
| 24 | The microstructure of active and quiet sleep as cortical delta activity emerges in infant rats. <i>Sleep</i> , 2008 , 31, 691-9 | 1.1 | 74 |

| | | | |
|----|---|------|----|
| 23 | Cortical hyperexcitability and epileptogenesis: Understanding the mechanisms of epilepsy - part 2. <i>Journal of Clinical Neuroscience</i> , 2009 , 16, 485-500 | 2.2 | 38 |
| 22 | Stability of two cluster solutions in pulse coupled networks of neural oscillators. <i>Journal of Computational Neuroscience</i> , 2011 , 30, 427-45 | 1.4 | 15 |
| 21 | Thalamic model of awake alpha oscillations and implications for stimulus processing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 18553-8 | 11.5 | 92 |
| 20 | Phase Resetting Curve Analysis of Global Synchrony, the Splay Mode and Clustering in N Neuron all to all Pulse-Coupled Networks. 2012 , 453-473 | | 1 |
| 19 | The sleep relay--the role of the thalamus in central and decentral sleep regulation. <i>Pflugers Archiv European Journal of Physiology</i> , 2012 , 463, 53-71 | 4.6 | 56 |
| 18 | Cooperative dynamics in neuronal networks. <i>Chaos, Solitons and Fractals</i> , 2013 , 56, 19-27 | 9.3 | 41 |
| 17 | Target-controlled induction with 2.5% sevoflurane does not avoid the risk of electroencephalographic abnormalities. <i>Annales Francaises DAnesthesie Et De Reanimation</i> , 2013 , 32, e143-8 | | 9 |
| 16 | Thalamic mechanisms underlying alpha-delta sleep with implications for fibromyalgia. <i>Journal of Neurophysiology</i> , 2015 , 114, 1923-30 | 3.2 | 10 |
| 15 | Long-range patterns in HindmarshRose networks. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017 , 43, 211-219 | 3.7 | 30 |
| 14 | Human Brain Oscillations: From Physiological Mechanisms to Analysis and Cognition. 2019 , 1-46 | | 3 |
| 13 | Wave pattern stability of neurons coupled by memristive electromagnetic induction. <i>Nonlinear Dynamics</i> , 2019 , 96, 1083-1093 | 5 | 12 |
| 12 | Phase response theory explains cluster formation in sparsely but strongly connected inhibitory neural networks and effects of jitter due to sparse connectivity. <i>Journal of Neurophysiology</i> , 2019 , 121, 1125-1142 | 3.2 | 4 |
| 11 | Effect of electromagnetic radiation on the dynamics of spatiotemporal patterns in memristor-based neuronal network. <i>Nonlinear Dynamics</i> , 2019 , 95, 1067-1078 | 5 | 39 |
| 10 | Human Brain Oscillations: From Physiological Mechanisms to Analysis and Cognition. 2019 , 471-517 | | 3 |
| 9 | Function of GABAB and Containing GABAA Receptors (GABAC Receptors) in the Regulation of Basic and Higher Integrated Sleep-Waking Processes. 2010 , 169-188 | | 2 |
| 8 | Neuronal Substrates of Sleep and Epilepsy. 2001 , | | 98 |
| 7 | Neural Oscillations: Understanding a Neural Code of Pain. <i>Neuroscientist</i> , 2021 , 27, 544-570 | 7.6 | 9 |
| 6 | Unified thalamic model generates multiple distinct oscillations with state-dependent entrainment by stimulation. <i>PLoS Computational Biology</i> , 2017 , 13, e1005797 | 5 | 20 |

| | | | |
|---|---|-----|---|
| 5 | Digraphs vs. dynamics in discrete models of neuronal networks. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2012 , 17, 1365-1381 | 1.3 | 3 |
| 4 | Aperiodic EEG activity masks the dynamics of neural oscillations during loss of consciousness from propofol. | | 0 |
| 3 | Synchrony in Networks of Neuronal Oscillators. <i>The IMA Volumes in Mathematics and Its Applications</i> , 2001 , 215-232 | 0.5 | |
| 2 | Characterisation of Multiple Patterns of Activity in Networks of Relaxation Oscillators with Inhibitory and Electrical Coupling. <i>Lecture Notes in Computer Science</i> , 2009 , 164-173 | 0.9 | |
| 1 | Human Brain Oscillations: From Physiological Mechanisms to Analysis and Cognition. 2014 , 359-403 | | 3 |