Tomas C Bellamy

List of Publications by Year in descending order

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TOMAS C RELLAMY

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Characterization of neuronal viability and network activity under microfluidic flow. Journal of Neuroscience Methods, 2021, 358, 109200. | 2.5 | 4 |
| 2 | A Statistical View on Calcium Oscillations. Advances in Experimental Medicine and Biology, 2020, 1131, 799-826. | 1.6 | 12 |
| 3 | Distribution of vesicle pools in cerebellar parallel fibre terminals after depression of ectopic transmission. PLoS ONE, 2018, 13, e0200937. | 2.5 | 1 |
| 4 | A Bayesian approach to modelling heterogeneous calcium responses in cell populations. PLoS Computational Biology, 2017, 13, e1005794. | 3.2 | 10 |
| 5 | Probabilistic encoding of stimulus strength in astrocyte global calcium signals. Glia, 2016, 64, 537-552. | 4.9 | 11 |
| 6 | Glial Cells. , 2016, , 219-223. | | 1 |
| 7 | Glial Plasticity. Neural Plasticity, 2015, 2015, 1-2. | 2.2 | 3 |
| 8 | Plasticity of Neuron-Glial Transmission: Equipping Glia for Long-Term Integration of Network Activity. Neural Plasticity, 2015, 2015, 1-11. | 2.2 | 13 |
| 9 | Localization of Presynaptic Plasticity Mechanisms Enables Functional Independence of Synaptic and Ectopic Transmission in the Cerebellum. Neural Plasticity, 2015, 2015, 1-11. | 2.2 | 2 |
| 10 | Caffeine Modulates Vesicle Release and Recovery at Cerebellar Parallel Fibre Terminals, Independently of Calcium and Cyclic AMP Signalling. PLoS ONE, 2015, 10, e0125974. | 2.5 | 8 |
| 11 | Stimulus Discrimination in Cerebellar Purkinje Neurons. PLoS ONE, 2014, 9, e87828. | 2.5 | 1 |
| 12 | Ectopic release of glutamate contributes to spillover at parallel fibre synapses in the cerebellum. Journal of Physiology, 2014, 592, 1493-1503. | 2.9 | 11 |
| 13 | High-Throughput Analysis of Calcium Signalling Kinetics in Astrocytes Stimulated with Different Neurotransmitters. PLoS ONE, 2011, 6, e26889. | 2.5 | 28 |
| 14 | Ectopic release sites lack fast vesicle recycling mechanisms, causing longâ€ŧerm depression of neuronâ€glial transmission in rat cerebellum. Glia, 2011, 59, 82-93. | 4.9 | 13 |
| 15 | A real-time fluorescent assay of the purified nitric oxide receptor, guanylyl cyclase. Analytical Biochemistry, 2010, 402, 129-136. | 2.4 | 9 |
| 16 | Control of Cerebellar Long-Term Potentiation by P-Rex-Family Guanine-Nucleotide Exchange Factors and Phosphoinositide 3-Kinase. PLoS ONE, 2010, 5, e11962. | 2.5 | 21 |
| 17 | Depression of parallel and climbing fiber transmission to Bergmann glia is input specific and correlates with increased precision of synaptic transmission. Clia, 2009, 57, 393-401. | 4.9 | 21 |
| 18 | Calcium Oscillations. Advances in Experimental Medicine and Biology, 2008, 641, 1-27. | 1.6 | 40 |

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|----|---|-----|-----------|
| 19 | Presynaptic modulation of parallel fibre signalling to Bergmann glia. Neuropharmacology, 2007, 52, 368-375. | 4.1 | 12 |
| 20 | Long-term depression of neuron to glial signalling in rat cerebellar cortex. European Journal of Neuroscience, 2006, 23, 581-586. | 2.6 | 25 |
| 21 | Interactions between Purkinje neurones and Bergmann glia. Cerebellum, 2006, 5, 116-126. | 2.5 | 111 |
| 22 | Short-term plasticity of Bergmann glial cell extrasynaptic currents during parallel fiber stimulation in rat cerebellum. Glia, 2005, 52, 325-335. | 4.9 | 45 |
| 23 | A New and Simple Method for Delivering Clamped Nitric Oxide Concentrations in the Physiological Range: Application to Activation of Guanylyl Cyclase-Coupled Nitric Oxide Receptors. Molecular Pharmacology, 2003, 64, 1349-1356. | 2.3 | 65 |
| 24 | On the activation of soluble guanylyl cyclase by nitric oxide. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 507-510. | 7.1 | 141 |
| 25 | Differential Sensitivity of Guanylyl Cyclase and Mitochondrial Respiration to Nitric Oxide Measured Using Clamped Concentrations. Journal of Biological Chemistry, 2002, 277, 31801-31807. | 3.4 | 114 |
| 26 | Kinetics of nitric oxide-cyclic GMP signalling in CNS cells and itspossible regulation by cyclic GMP. Journal of Neurochemistry, 2002, 83, 37-47. | 3.9 | 42 |
| 27 | Pharmacology of the nitric oxide receptor, soluble guanylyl cyclase, in cerebellar cells. British Journal of Pharmacology, 2002, 136, 95-103. | 5.4 | 31 |
| 28 | The receptor-like properties of nitric oxide-activated soluble guanylyl cyclase in intact cells. Molecular and Cellular Biochemistry, 2002, 230, 165-176. | 3.1 | 53 |
| 29 | The receptor-like properties of Nitric oxide-activated soluble guanylyl cyclase in intact cells. , 2002, , 165-176. | | 16 |
| 30 | The receptor-like properties of nitric oxide-activated soluble guanylyl cyclase in intact cells. Molecular and Cellular Biochemistry, 2002, 230, 165-76. | 3.1 | 19 |
| 31 | Sub-second Kinetics of the Nitric Oxide Receptor, Soluble Guanylyl Cyclase, in Intact Cerebellar Cells. Journal of Biological Chemistry, 2001, 276, 4287-4292 | 3.4 | 106 |
| 32 | "cAMP-Specific―Phosphodiesterase Contributes to cGMP Degradation in Cerebellar Cells Exposed to Nitric Oxide. Molecular Pharmacology, 2001, 59, 54-61. | 2.3 | 45 |