

# Tomas C Bellamy

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

1,034  
citations

516215

16  
h-index

454577

30  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1066  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of neuronal viability and network activity under microfluidic flow. <i>Journal of Neuroscience Methods</i> , 2021, 358, 109200.	1.3	4
2	A Statistical View on Calcium Oscillations. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1131, 799-826.	0.8	12
3	Distribution of vesicle pools in cerebellar parallel fibre terminals after depression of ectopic transmission. <i>PLoS ONE</i> , 2018, 13, e0200937.	1.1	1
4	A Bayesian approach to modelling heterogeneous calcium responses in cell populations. <i>PLoS Computational Biology</i> , 2017, 13, e1005794.	1.5	10
5	Probabilistic encoding of stimulus strength in astrocyte global calcium signals. <i>Glia</i> , 2016, 64, 537-552.	2.5	11
6	<i>Glial Cells</i> , 2016, , 219-223.		1
7	Glial Plasticity. <i>Neural Plasticity</i> , 2015, 2015, 1-2.	1.0	3
8	Plasticity of Neuron-Glial Transmission: Equipping Glia for Long-Term Integration of Network Activity. <i>Neural Plasticity</i> , 2015, 2015, 1-11.	1.0	13
9	Localization of Presynaptic Plasticity Mechanisms Enables Functional Independence of Synaptic and Ectopic Transmission in the Cerebellum. <i>Neural Plasticity</i> , 2015, 2015, 1-11.	1.0	2
10	Caffeine Modulates Vesicle Release and Recovery at Cerebellar Parallel Fibre Terminals, Independently of Calcium and Cyclic AMP Signalling. <i>PLoS ONE</i> , 2015, 10, e0125974.	1.1	8
11	Stimulus Discrimination in Cerebellar Purkinje Neurons. <i>PLoS ONE</i> , 2014, 9, e87828.	1.1	1
12	Ectopic release of glutamate contributes to spillover at parallel fibre synapses in the cerebellum. <i>Journal of Physiology</i> , 2014, 592, 1493-1503.	1.3	11
13	High-Throughput Analysis of Calcium Signalling Kinetics in Astrocytes Stimulated with Different Neurotransmitters. <i>PLoS ONE</i> , 2011, 6, e26889.	1.1	28
14	Ectopic release sites lack fast vesicle recycling mechanisms, causing long-term depression of neuron-glial transmission in rat cerebellum. <i>Glia</i> , 2011, 59, 82-93.	2.5	13
15	A real-time fluorescent assay of the purified nitric oxide receptor, guanylyl cyclase. <i>Analytical Biochemistry</i> , 2010, 402, 129-136.	1.1	9
16	Control of Cerebellar Long-Term Potentiation by P-Rex-Family Guanine-Nucleotide Exchange Factors and Phosphoinositide 3-Kinase. <i>PLoS ONE</i> , 2010, 5, e11962.	1.1	21
17	Depression of parallel and climbing fiber transmission to Bergmann glia is input specific and correlates with increased precision of synaptic transmission. <i>Glia</i> , 2009, 57, 393-401.	2.5	21
18	Calcium Oscillations. <i>Advances in Experimental Medicine and Biology</i> , 2008, 641, 1-27.	0.8	40

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19	Presynaptic modulation of parallel fibre signalling to Bergmann glia. <i>Neuropharmacology</i> , 2007, 52, 368-375.	2.0	12
20	Long-term depression of neuron to glial signalling in rat cerebellar cortex. <i>European Journal of Neuroscience</i> , 2006, 23, 581-586.	1.2	25
21	Interactions between Purkinje neurones and Bergmann glia. <i>Cerebellum</i> , 2006, 5, 116-126.	1.4	111
22	Short-term plasticity of Bergmann glial cell extrasynaptic currents during parallel fiber stimulation in rat cerebellum. <i>Glia</i> , 2005, 52, 325-335.	2.5	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. <i>Molecular Pharmacology</i> , 2003, 64, 1349-1356.	1.0	65
24	On the activation of soluble guanylyl cyclase by nitric oxide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 507-510.	3.3	141
25	Differential Sensitivity of Guanylyl Cyclase and Mitochondrial Respiration to Nitric Oxide Measured Using Clamped Concentrations. <i>Journal of Biological Chemistry</i> , 2002, 277, 31801-31807.	1.6	114
26	Kinetics of nitric oxide-cyclic GMP signalling in CNS cells and its possible regulation by cyclic GMP. <i>Journal of Neurochemistry</i> , 2002, 83, 37-47.	2.1	42
27	Pharmacology of the nitric oxide receptor, soluble guanylyl cyclase, in cerebellar cells. <i>British Journal of Pharmacology</i> , 2002, 136, 95-103.	2.7	31
28	The receptor-like properties of nitric oxide-activated soluble guanylyl cyclase in intact cells. <i>Molecular and Cellular Biochemistry</i> , 2002, 230, 165-176.	1.4	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. <i>Molecular and Cellular Biochemistry</i> , 2002, 230, 165-76.	1.4	19
31	Sub-second Kinetics of the Nitric Oxide Receptor, Soluble Guanylyl Cyclase, in Intact Cerebellar Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 4287-4292.	1.6	106
32	â€œcAMP-Specificâ€•Phosphodiesterase Contributes to cGMP Degradation in Cerebellar Cells Exposed to Nitric Oxide. <i>Molecular Pharmacology</i> , 2001, 59, 54-61.	1.0	45