

Vladimir Rancic

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

944
citations

933447

10
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

2005
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon nanotubes might improve neuronal performance by favouring electrical shortcuts. Nature Nanotechnology, 2009, 4, 126-133.	31.5	473
2	Genetically encoded fluorescent indicators for imaging intracellular potassium ion concentration. Communications Biology, 2019, 2, 18.	4.4	110
3	A genetically encoded Ca ²⁺ indicator based on circularly permuted sea anemone red fluorescent protein eqFP578. BMC Biology, 2018, 16, 9.	3.8	83
4	Release of ATP by pre α B δ tzinger complex astrocytes contributes to the hypoxic ventilatory response via a Ca ²⁺ -dependent P2Y ₁ receptor mechanism. Journal of Physiology, 2018, 596, 3245-3269.	2.9	82
5	<i>WT1</i> -Expressing Interneurons Regulate Left-Right Alternation during Mammalian Locomotor Activity. Journal of Neuroscience, 2018, 38, 5666-5676.	3.6	45
6	A Bioluminescent Ca ²⁺ Indicator Based on a Topological Variant of GCaMP6s. ChemBioChem, 2019, 20, 516-520.	2.6	45
7	Altered development in GABA co-release shapes glycinergic synaptic currents in cultured spinal slices of the SOD1 ^{G93A} mouse model of amyotrophic lateral sclerosis. Journal of Physiology, 2016, 594, 3827-3840.	2.9	25
8	Receptor dependence of BDNF actions in superficial dorsal horn: relation to central sensitization and actions of macrophage colony stimulating factor 1. Journal of Neurophysiology, 2019, 121, 2308-2322.	1.8	19
9	Recent Insights into the Rhythmogenic Core of the Locomotor CPG. International Journal of Molecular Sciences, 2021, 22, 1394.	4.1	19
10	Mapping the Dynamic Recruitment of Spinal Neurons during Fictive Locomotion. Journal of Neuroscience, 2020, 40, 9692-9700.	3.6	13
11	Suction electrode recording in locus coeruleus of newborn rat brain slices reveals network bursting comprising summated non-synchronous spiking. Neuroscience Letters, 2018, 671, 103-107.	2.1	9
12	Characterization of Superficial Dorsal Horn Neurons from α Tamamaki Mice and Stability of their GAD67-EGFP Phenotype in Defined-Medium Organotypic Culture. Neuroscience, 2018, 372, 126-140.	2.3	8
13	TARP mediation of accelerated and more regular locus coeruleus network bursting in neonatal rat brain slices. Neuropharmacology, 2019, 148, 169-177.	4.1	7
14	Using an upright preparation to identify and characterize locomotor related neurons across the transverse plane of the neonatal mouse spinal cord. Journal of Neuroscience Methods, 2019, 323, 90-97.	2.5	3
15	NMDA Enhances and Glutamate Attenuates Synchrony of Spontaneous Phase-Locked Locus Coeruleus Network Rhythm in Newborn Rat Brain Slices. Brain Sciences, 2022, 12, 651.	2.3	2
16	Neuronal Mediators of the Frequency Increase Evoked by Activation of P2Y ₁ Receptors in the pre α B δ tzinger Complex Inspiratory Rhythm Generating Network in Vitro. FASEB Journal, 2021, 35, .	0.5	0