Maria Vittoria Podda

List of Publications by Year
in descending order

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41 papers	1,591 citations	304602 22 h-index	302012 39 g-index
43 all docs	43 docs citations	43 times ranked	2476 citing authors

#	Article	IF	Citations
1	Transcranial Direct Current Stimulation Enhances Neuroplasticity and Accelerates Motor Recovery in a Stroke Mouse Model. Stroke, 2022, 53, 1746-1758.	1.0	20
2	Auditory sensory deprivation induced by noise exposure exacerbates cognitive decline in a mouse model of Alzheimerâ€™s disease. ELife, 2021, 10, .	2.8	25
3	Auditory sensory deprivation induced by noise exposure exacerbates cognitive decline and hippocampal dysfunction in a mouse model of Alzheimer's disease. Journal of the Neurological Sciences, 2021, 429, 117822.	0.3	1
4	Enhancing Plasticity Mechanisms in the Mouse Motor Cortex by Anodal Transcranial Direct-Current Stimulation: The Contribution of Nitric Oxide Signaling. Cerebral Cortex, 2020, 30, 2972-2985.	1.6	32
5	Plasma BDNF Levels Following Transcranial Direct Current Stimulation Allow Prediction of Synaptic Plasticity and Memory Deficits in 3Ã—Tg-AD Mice. Frontiers in Cell and Developmental Biology, 2020, 8, 541.	1.8	16
6	Role of BDNF Signaling in Memory Enhancement Induced by Transcranial Direct Current Stimulation. Frontiers in Neuroscience, 2018, 12, 427.	1.4	32
7	Anodal transcranial direct current stimulation affects auditory cortex plasticity in normal-hearing and noise-exposed rats. Brain Stimulation, 2018, 11, 1008-1023.	0.7	31
8	The effects of transcranial direct current stimulation on hippocampal function may be predictive of altered plasticity in animal models of alzheimer's disease. Journal of the Neurological Sciences, 2017, 381, 83.	0.3	1
9	Effects of exposure to gradient magnetic fields emitted by nuclear magnetic resonance devices on clonogenic potential and proliferation of human hematopoietic stem cells. Bioelectromagnetics, 2016, 37, 201-211.	0.9	10
10	Anodal transcranial direct current stimulation boosts synaptic plasticity and memory in mice via epigenetic regulation of Bdnf expression. Scientific Reports, 2016, 6, 22180.	1.6	178
11	Impact of electromagnetic fields on stem cells: common mechanisms at the crossroad between adult neurogenesis and osteogenesis. Frontiers in Cellular Neuroscience, 2015, 9, 228.	1.8	31
12	InÂvitro cardiomyocyte differentiation of umbilical cord blood cells: crucial role for c-kit+ cells. Cytotherapy, 2015, 17, 1627-1637.	0.3	7
13	The Neurogenic Effects of Exogenous Neuropeptide Y: Early Molecular Events and Long-Lasting Effects in the Hippocampus of Trimethyltin-Treated Rats. PLoS ONE, 2014, 9, e88294.	1.1	24
14	The role of D-serine as co-agonist of NMDA receptors in the nucleus accumbens: relevance to cocaine addiction. Frontiers in Synaptic Neuroscience, 2014, 6, 16.	1.3	16
15	Alternative splicing alterations of <scp>Ca</scp>²⁺ handling genes are associated with <scp>Ca</scp>²⁺ signal dysregulation in myotonic dystrophy type 1 (<scp>DM</scp>1) and type 2 (<scp>DM</scp>2) myotubes. Neuropathology and Applied Neurobiology, 2014, 40, 464-476.	1.8	35
16	Epigenetic Modulation of Adult Hippocampal Neurogenesis by Extremely Low-Frequency Electromagnetic Fields. Molecular Neurobiology, 2014, 49, 1472-1486.	1.9	64
17	Extremely lowâ€frequency electromagnetic fields enhance the survival of newborn neurons in the mouse hippocampus. European Journal of Neuroscience, 2014, 39, 893-903.	1.2	57
18	New perspectives in cyclic nucleotide-mediated functions in the CNS: the emerging role of cyclic nucleotide-gated (CNG) channels. Pflugers Archiv European Journal of Physiology, 2014, 466, 1241-1257.	1.3	41

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19	Time evolution of noise induced oxidation in outer hair cells: Role of NAD(P)H and plasma membrane fluidity. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 2192-2202.	1.1	45
20	Effect of phosphodiesterase-5 inhibition on apoptosis and beta amyloid load in aged mice. Neurobiology of Aging, 2014, 35, 520-531.	1.5	75
21	Curcuma Longa (Curcumin) Decreases In Vivo Cisplatin-Induced Ototoxicity Through Heme Oxygenase-1 Induction. Otology and Neurotology, 2014, 35, e169-e177.	0.7	54
22	Reduced d-serine levels in the nucleus accumbens of cocaine-treated rats hinder the induction of NMDA receptor-dependent synaptic plasticity. Brain, 2013, 136, 1216-1230.	3.7	68
23	Role of Cyclic Nucleotide-Gated Channels in the Modulation of Mouse Hippocampal Neurogenesis. PLoS ONE, 2013, 8, e73246.	1.1	20
24	Modulation of LTP at rat hippocampal CA3-CA1 synapses by direct current stimulation. Journal of Neurophysiology, 2012, 107, 1868-1880.	0.9	183
25	A role for neuronal cAMP responsive-element binding (CREB)-1 in brain responses to calorie restriction. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 621-626.	3.3	141
26	Expression of olfactoryâ€type cyclic nucleotideâ€gated channels in rat cortical astrocytes. Glia, 2012, 60, 1391-1405.	2.5	22
27	Post-processing analysis of transient-evoked otoacoustic emissions to detect 4 kHz-notch hearing impairment â€“ a pilot study. Medical Science Monitor, 2011, 17, MT41-MT49.	0.5	12
28	Dopamine D1-like receptor activation depolarizes medium spiny neurons of the mouse nucleus accumbens by inhibiting inwardly rectifying K+ currents through a cAMP-dependent protein kinase A-independent mechanism. Neuroscience, 2010, 167, 678-690.	1.1	56
29	Exposure to extremely low-frequency (50Hz) electromagnetic fields enhances adult hippocampal neurogenesis in C57BL/6 mice. Experimental Neurology, 2010, 226, 173-182.	2.0	121
30	Activation of mGluR5 induces spike afterdepolarization and enhanced excitability in medium spiny neurons of the nucleus accumbens by modulating persistent Na⁺ currents. Journal of Physiology, 2009, 587, 3233-3250.	1.3	43
31	Functional role of cyclic nucleotideâ€gated channels in rat medial vestibular nucleus neurons. Journal of Physiology, 2008, 586, 803-815.	1.3	30
32	Expression of cyclic nucleotide-gated channels in the rat medial vestibular nucleus. NeuroReport, 2005, 16, 1939-1943.	0.6	4
33	Nitric oxide increases the spontaneous firing rate of rat medial vestibular nucleus neurons in vitro via a cyclic GMP-mediated PKG-independent mechanism. European Journal of Neuroscience, 2004, 20, 2124-2132.	1.2	17
34	Modulation of masseter exteroceptive suppression by non-nociceptive upper limb afferent activation in humans. Experimental Brain Research, 2003, 150, 154-162.	0.7	6
35	Melatonin inhibits rat medial vestibular nucleus neuron activity in vitro. Neuroscience Letters, 2003, 341, 209-212.	1.0	7
36	Non-nociceptive upper limb afferents modulate masseter muscle EMG activity in man. Experimental Brain Research, 2002, 143, 286-294.	0.7	6

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37	Modulation of rat medial vestibular nucleus neurone activity by vasopressin and noradrenaline in vitro. Neuroscience Letters, 2001, 298, 91-94.	1.0	11
38	Jaw muscle response to stimulation of type II somatosensory afferents of limbs in the rat. Experimental Brain Research, 2001, 139, 209-215.	0.7	7
39	Responses of vestibular neurons to arginine vasopressin microinjection. Pflugers Archiv European Journal of Physiology, 1998, 436, 914.	1.3	3
40	EFFECT OF ATRAZINE ADMINISTRATION ON SPONTANEOUS AND EVOKED CEREBELLAR ACTIVITY IN THE RAT. Pharmacological Research, 1997, 36, 199-202.	3.1	23
41	Does long-term potentiation occur in guinea-pig DeitersÊ¼ nucleus?. NeuroReport, 1996, 7, 2303-2308.	0.6	13