

# Carlo Musio

## List of Publications by Year in descending order

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31  
papers

296  
citations

933447

10  
h-index

940533

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g-index

36  
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36  
docs citations

36  
times ranked

343  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion channels and neuronal excitability in polyglutamine neurodegenerative diseases. <i>Biomolecular Concepts</i> , 2022, 13, 183-199.	2.2	0
2	ClC-2-like Chloride Current Alterations in a Cell Model of Spinal and Bulbar Muscular Atrophy, a Polyglutamine Disease. <i>Journal of Molecular Neuroscience</i> , 2021, 71, 662-674.	2.3	13
3	A Monolayer System for the Efficient Generation of Motor Neuron Progenitors and Functional Motor Neurons from Human Pluripotent Stem Cells. <i>Cells</i> , 2021, 10, 1127.	4.1	10
4	Clenbuterol-sensitive delayed outward potassium currents in a cell model of spinal and bulbar muscular atrophy. <i>Pflugers Archiv European Journal of Physiology</i> , 2021, 473, 1213-1227.	2.8	3
5	Increased transcription of transglutaminase 1 mediates neuronal death in in vitro models of neuronal stress and A $\beta$ 1-42-mediated toxicity. <i>Neurobiology of Disease</i> , 2020, 140, 104849.	4.4	10
6	Prototyping a memristive-based device to analyze neuronal excitability. <i>Biophysical Chemistry</i> , 2019, 253, 106212.	2.8	8
7	Micro-Raman detection of the differentiation state of SH-SY5Y cells grown on silicon and aluminium substrates. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1031-1040.	2.5	2
8	Altered ionic currents and amelioration by IGF-1 and PACAP in motoneuron-derived cells modelling SBMA. <i>Biophysical Chemistry</i> , 2017, 229, 68-76.	2.8	17
9	Primary cortical neurons on PMCS TiO <sub>2</sub> films towards bio-hybrid memristive device: A morpho-functional study. <i>Biophysical Chemistry</i> , 2017, 229, 115-122.	2.8	9
10	A multidisciplinary approach to study the functional properties of neuron-like cell models constituting a living bio-hybrid system: SH-SY5Y cells adhering to PANI substrate. <i>AIP Advances</i> , 2016, 6, .	1.3	9
11	Raman micro-spectroscopy study of living SH-SY5Y cells adhering on different substrates. <i>Biophysical Chemistry</i> , 2016, 208, 48-53.	2.8	10
12	Bio-hybrid interfaces to study neuromorphic functionalities: New multidisciplinary evidences of cell viability on poly(aniline) (PANI), a semiconductor polymer with memristive properties. <i>Biophysical Chemistry</i> , 2016, 208, 40-47.	2.8	23
13	Raman micro-spectroscopy: A powerful tool for the monitoring of dynamic supramolecular changes in living cells. <i>Biophysical Chemistry</i> , 2013, 182, 58-63.	2.8	27
14	Nonvisual Photosensitivity and Circadian Vision. , 2012, , 1195-1210.		1
15	Nitric oxide signaling pathways at neural level in invertebrates: Functional implications in cnidarians. <i>Brain Research</i> , 2008, 1225, 17-25.	2.2	17
16	The effects of pattern shape, subliminal stimulation, and voluntary control on multistable visual perception. <i>Brain Research</i> , 2008, 1225, 163-170.	2.2	7
17	Brain and vision. <i>Brain Research</i> , 2008, 1225, 1-2.	2.2	11
18	Diffuse Nerve Net of Hydra Revealed by NADPH-Diaphorase Histochemical Labeling. , 2007, , 11-20.		2

#	ARTICLE	IF	CITATIONS
19	Reversal of "Cubic" and "Cylindrical" Figures. Lecture Notes in Computer Science, 2007, , 144-149.	1.3	0
20	Evolving visual pigments: Hints from the opsin-based proteins in a phylogenetically old "eyeless" invertebrate. BioSystems, 2006, 86, 3-17.	2.0	27
21	Molecular and Functional Diversity of Visual Pigments: Clues from the Photosensitive Opsin-Like Proteins of the Animal Model Hydra. Lecture Notes in Computer Science, 2005, , 225-234.	1.3	0
22	The photobiology of Hydra's periodic activity. Hydrobiologia, 2004, 530-531, 129-134.	2.0	12
23	Will. Advances in Consciousness Research, 2002, , 155-165.	0.2	1
24	PATCH-CLAMPING SOLITARY VISUAL CELLS TO UNDERSTAND THE CELLULAR MECHANISMS OF INVERTEBRATE PHOTOTRANSDUCTION. , 2001, , .		1
25	Photobehaviour of Hydra (Cnidaria, Hydrozoa) and correlated mechanisms: a case of extraocular photosensitivity. Journal of Photochemistry and Photobiology B: Biology, 2000, 55, 88-101.	3.8	43
26	The neural net of Hydra and the modulation of its periodic activity. Lecture Notes in Computer Science, 1999, , 123-137.	1.3	9
27	Application of the patch-clamp technique to photoreceptor cells of the crayfish <i>Orconectes limosus</i> . Italian Journal of Zoology, 1996, 63, 135-138.	0.6	0
28	EXPLAN " a programming language for complex visual stimuli presentation. International Journal of Bio-medical Computing, 1994, 37, 29-39.	0.5	5
29	Cross-Correlation Study of Synaptic Input Distribution Inside the Buccal Ganglion of a Gastropod Mollusk. NeuroSignals, 1993, 2, 95-105.	0.9	1
30	Fine structure and axonal organization in the buccal ganglia nerves of <i>Aplysia</i> (Mollusca,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5q 302 Td (C	0.8	8
31	Cross-correlation analysis of intracellularly recorded synaptic activities: An evaluation of the method through computer simulation. Journal of Neuroscience Methods, 1986, 18, 287-294.	2.5	5