

Giorgio Rispoli

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

419
citations

759233

12
h-index

752698

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32
all docs

32
docs citations

32
times ranked

575
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma Membrane-porating Domain in Poliovirus 2B Protein. A Short Peptide Mimics Viroporin Activity. <i>Journal of Molecular Biology</i> , 2007, 374, 951-964.	4.2	41
2	Crystal Structure of a Spin-Labeled, Channel-Forming Alamethicin Analogue. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2047-2050.	13.8	41
3	Divalent cations modulate membrane binding and pore formation of a potent antibiotic peptide analog of alamethicin. <i>Cell Calcium</i> , 2013, 53, 180-186.	2.4	36
4	Enhanced dihydropyridine receptor calcium channel activity restores muscle strength in JP45/CASQ1 double knockout mice. <i>Nature Communications</i> , 2013, 4, 1541.	12.8	35
5	Pore Forming Properties of Cecropin-Melittin Hybrid Peptide in a Natural Membrane. <i>Molecules</i> , 2009, 14, 5179-5188.	3.8	26
6	Expression of an Active Na ⁺ /Ca ²⁺ Exchanger Isoform Lacking the Six C-Terminal Transmembrane Segments. <i>FEBS Journal</i> , 1996, 239, 897-904.	0.2	22
7	A novel technique to study pore-forming peptides in a natural membrane. <i>European Biophysics Journal</i> , 2007, 36, 771-778.	2.2	21
8	Calcium-activated potassium current clamps the dark potential of vertebrate rods. <i>European Journal of Neuroscience</i> , 2001, 14, 19-26.	2.6	19
9	Pore-Forming Properties of Alamethicin F50/5 Inserted in a Biological Membrane. <i>Chemistry and Biodiversity</i> , 2007, 4, 1338-1346.	2.1	18
10	A step-by-step model of phototransduction cascade shows that Ca ²⁺ regulation of guanylate cyclase accounts only for short-term changes of photoresponse. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 1292.	2.9	16
11	Mechanistic Insight into CM18-Tat11 Peptide Membrane-Perturbing Action by Whole-Cell Patch-Clamp Recording. <i>Molecules</i> , 2014, 19, 9228-9239.	3.8	14
12	A pressure-polishing set-up to fabricate patch pipettes that seal on virtually any membrane, yielding low access resistance and efficient intracellular perfusion. <i>European Biophysics Journal</i> , 2011, 40, 1215-1223.	2.2	12
13	Nanostructured Chemosensitive Sensors for Oncological Screening and Tumor Markers Tracking: Single Sensor Approach Applications on Human Blood and Cell Samples. <i>Sensors</i> , 2020, 20, 1411.	3.8	12
14	Turnover Rate and Number of Na ⁺ -Ca ²⁺ , K ⁺ Exchange Sites in Retinal Photoreceptors. <i>Annals of the New York Academy of Sciences</i> , 1996, 779, 346-355.	3.8	11
15	Colorectal Cancer Study with Nanostructured Sensors: Tumor Marker Screening of Patient Biopsies. <i>Nanomaterials</i> , 2020, 10, 606.	4.1	10
16	Characterization of Zebrafish Green Cone Photoresponse Recorded with Pressure-Polished Patch Pipettes, Yielding Efficient Intracellular Dialysis. <i>PLoS ONE</i> , 2015, 10, e0141727.	2.5	9
17	Tin, Titanium, Tantalum, Vanadium and Niobium Oxide Based Sensors to Detect Colorectal Cancer Exhalations in Blood Samples. <i>Molecules</i> , 2021, 26, 466.	3.8	9
18	Ca ²⁺ -dependent kinetics of hair cell Ca ²⁺ currents resolved with the use of cesium BAPTA. <i>NeuroReport</i> , 2000, 11, 2769-2774.	1.2	8

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19	Ca ²⁺ current of frog vestibular hair cells is modulated by intracellular ATP but not by long-lasting depolarisation. <i>European Biophysics Journal</i> , 2007, 36, 779-786.	2.2	8
20	Neoplasms and metastasis detection in human blood exhalations with a device composed by nanostructured sensors. <i>Sensors and Actuators B: Chemical</i> , 2018, 271, 203-214.	7.8	8
21	Potassium Ascorbate with Ribose: Promising Therapeutic Approach for Melanoma Treatment. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-12.	4.0	7
22	The contribution of cationic conductances to the potential of rod photoreceptors. <i>European Biophysics Journal</i> , 2010, 39, 889-902.	2.2	6
23	Where vision begins. <i>Pflugers Archiv European Journal of Physiology</i> , 2021, 473, 1333-1337.	2.8	5
24	Chemosensitive Sensors for Cellular Type Discrimination Based on Their Exhalations. <i>Nanomaterials</i> , 2022, 12, 1111.	4.1	5
25	Modulation of the reaction cycle of the Na ⁺ :Ca ²⁺ , K ⁺ exchanger. <i>European Biophysics Journal</i> , 2007, 36, 787-793.	2.2	4
26	Studying the Mechanism of Membrane Permeabilization Induced by Antimicrobial Peptides Using Patch-Clamp Techniques. <i>Methods in Molecular Biology</i> , 2017, 1548, 255-269.	0.9	4
27	Incorporating phototransduction proteins in zebrafish green cone with pressure-polished patch pipettes. <i>Biophysical Chemistry</i> , 2019, 253, 106230.	2.8	4
28	Pressure-Polished Borosilicate Pipettes are "Universal Sealer" Yielding Low Access Resistance and Efficient Intracellular Perfusion. <i>Methods in Molecular Biology</i> , 2014, 1183, 279-289.	0.9	3
29	Enhanced Patch-Clamp Technique to Study Antimicrobial Peptides and Viroporins, Inserted in a Cell Plasma Membrane with Fully Inactivated Endogenous Conductances. , 2012, , .		2
30	Advanced real-time recordings of neuronal activity with tailored patch pipettes, diamond multi-electrode arrays and electrochromic voltage-sensitive dyes. <i>Pflugers Archiv European Journal of Physiology</i> , 2021, 473, 15-36.	2.8	2
31	Pore Forming Properties Of Antimicrobial Peptides In Different Natural Lipid Environment. <i>Biophysical Journal</i> , 2009, 96, 535a.	0.5	1
32	Cation Permeability of Voltage-Gated Hair Cell Ca ²⁺ Channels of the Vertebrate Labyrinth. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3786.	4.1	0