Paola Pizzo

List of Publications by Year
in descending order

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102	7,827	41344 49	51608 86
papers	citations	h-index	g-index
107	107	107	9682
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Key Signalling Molecules in Aging and Neurodegeneration. Cells, 2022, 11, 834.	4.1	0
2	Active nNOS Is Required for Grp94-Induced Antioxidant Cytoprotection: A Lesson from Myogenic to Cancer Cells. International Journal of Molecular Sciences, 2022, 23, 2915.	4.1	1
3	Mitochondrialand: What Will Come Next?. Function, 2022, 3, zqab073.	2.3	3
4	Familial Alzheimerâ€™s disease presenilin-2 mutants affect Ca2+ homeostasis and brain network excitability. Aging Clinical and Experimental Research, 2021, 33, 1705-1708.	2.9	7
5	Better to keep in touch: investigating interâ€organelle crossâ€talk. FEBS Journal, 2021, 288, 740-755.	4.7	13
6	Calcium Signaling and Mitochondrial Function in Presenilin 2 Knock-Out Mice: Looking for Any Loss-of-Function Phenotype Related to Alzheimerâ€™s Disease. Cells, 2021, 10, 204.	4.1	10
7	Neuronal cell-based high-throughput screen for enhancers of mitochondrial function reveals luteolin as a modulator of mitochondria-endoplasmic reticulum coupling. BMC Biology, 2021, 19, 57.	3.8	21
8	Excitotoxicity Revisited: Mitochondria on the Verge of a Nervous Breakdown. Trends in Neurosciences, 2021, 44, 342-351.	8.6	27
9	Cell calcium. Cell Calcium, 2021, 96, 102370.	2.4	3
10	Lighting Up Ca2+ Dynamics in Animal Models. Cells, 2021, 10, 2133.	4.1	6
11	Loosening ERâ€œMitochondria Coupling by the Expression of the Presenilin 2 Loop Domain. Cells, 2021, 10, 1968.	4.1	7
12	Generation and Characterization of a New FRET-Based Ca2+ Sensor Targeted to the Nucleus. International Journal of Molecular Sciences, 2021, 22, 9945.	4.1	2
13	Mitochondrial bioenergetics and neurodegeneration: a paso doble. Neural Regeneration Research, 2021, 16, 686.	3.0	5
14	Presenilin-2 and Calcium Handling: Molecules, Organelles, Cells and Brain Networks. Cells, 2020, 9, 2166.	4.1	21
15	Mitochondrial calcium handling and neurodegeneration: when a good signal goes wrong. Current Opinion in Physiology, 2020, 17, 224-233.	1.8	12
16	Hexokinase 2 displacement from mitochondriaâ€associated membranes prompts Ca ²⁺ â€dependent death of cancer cells. EMBO Reports, 2020, 21, e49117.	4.5	62
17	Defective Mitochondrial Pyruvate Flux Affects Cell Bioenergetics in Alzheimerâ€™s Disease-Related Models. Cell Reports, 2020, 30, 2332-2348.e10.	6.4	67
18	Intracellular Calcium Dysregulation by the Alzheimerâ€™s Disease-Linked Protein Presenilin 2. International Journal of Molecular Sciences, 2020, 21, 770.	4.1	42

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19	Calcium Imaging in Drosophila melanogaster. Advances in Experimental Medicine and Biology, 2020, 1131, 881-900.	1.6	4
20	ER-mitochondria tethering and Ca2+ crosstalk: The IP3R team takes the field. Cell Calcium, 2019, 84, 102101.	2.4	5
21	Exploiting Cameleon Probes to Investigate Organelles Ca2+ Handling. Methods in Molecular Biology, 2019, 1925, 15-30.	0.9	2
22	PSEN2 (presenilin 2) mutants linked to familial Alzheimer disease impair autophagy by altering Ca²⁺ homeostasis. Autophagy, 2019, 15, 2044-2062.	9.1	78
23	The VAPB-PTPIP51 endoplasmic reticulum-mitochondria tethering proteins are present in neuronal synapses and regulate synaptic activity. Acta Neuropathologica Communications, 2019, 7, 35.	5.2	88
24	Systems biology identifies preserved integrity but impaired metabolism of mitochondria due to a glycolytic defect in Alzheimer's disease neurons. Aging Cell, 2019, 18, e12924.	6.7	46
25	Familial Alzheimerâ€™s disease-linked presenilin mutants and intracellular Ca2+ handling: A single-organelle, FRET-based analysis. Cell Calcium, 2019, 79, 44-56.	2.4	48
26	Microtubules Stabilization by Mutant Spastin Affects ER Morphology and Ca2+ Handling. Frontiers in Physiology, 2019, 10, 1544.	2.8	19
27	Calcium, mitochondria and cell metabolism: A functional triangle in bioenergetics. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1068-1078.	4.1	257
28	Glucose dysregulation in pre-clinical Alzheimerâ€™s disease. Aging, 2019, 11, 5296-5297.	3.1	4
29	Defective autophagy and Alzheimerâ€™s disease: is calcium the key?. Neural Regeneration Research, 2019, 14, 2081.	3.0	11
30	Mitofusin 2: from functions to disease. Cell Death and Disease, 2018, 9, 330.	6.3	230
31	TOM70 Sustains Cell Bioenergetics by Promoting IP3R3-Mediated ER to Mitochondria Ca2+ Transfer. Current Biology, 2018, 28, 369-382.e6.	3.9	109
32	SPLICS: a split green fluorescent protein-based contact site sensor for narrow and wide heterotypic organelle juxtaposition. Cell Death and Differentiation, 2018, 25, 1131-1145.	11.2	174
33	Highlighting the endoplasmic reticulum-mitochondria connection: Focus on Mitofusin 2. Pharmacological Research, 2018, 128, 42-51.	7.1	63
34	Guidelines on experimental methods to assess mitochondrial dysfunction in cellular models of neurodegenerative diseases. Cell Death and Differentiation, 2018, 25, 542-572.	11.2	120
35	The Aging Mitochondria. Genes, 2018, 9, 22.	2.4	78
36	The endoplasmic reticulum-mitochondria coupling in health and disease: Molecules, functions and significance. Cell Calcium, 2017, 62, 1-15.	2.4	193

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37	Mitochondrial Ca2+ Handling and Behind: The Importance of Being in Contact with Other Organelles. Biological and Medical Physics Series, 2017, , 3-39.	0.4	1
38	On the role of Mitofusin 2 in endoplasmic reticulumâ€“mitochondria tethering. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2266-E2267.	7.1	50
39	[P1â€“196]: EFFECT OF PRESENILIN 2 MUTATION LINKED TO FAMILIAL ALZHEIMER's DISEASE ON CELL METABOLISM. Alzheimer's and Dementia, 2017, 13, P317.	0.8	0
40	[F3â€“06â€“02]: ALTERATIONS IN ERâ€MITOCHONDRIA CALCIUM TRANSFER INDUCED BY ALZHEIMER's DISEASEâ€LINKED PS2 MUTANTS IMPACT DIFFERENT CELL FUNCTIONALITIES. Alzheimer's and Dementia, 2017, 13, P886.	0.8	0
41	The Concerted Action of Mitochondrial Dynamics and Positioning: New Characters in Cancer Onset and Progression. Frontiers in Oncology, 2017, 7, 102.	2.8	29
42	Characterization of the ER-Targeted Low Affinity Ca2+ Probe D4ER. Sensors, 2016, 16, 1419.	3.8	32
43	Presenilin 2 Modulates Endoplasmic Reticulum-Mitochondria Coupling by Tuning the Antagonistic Effect of Mitofusin 2. Cell Reports, 2016, 15, 2226-2238.	6.4	138
44	Mitofusinâ€2 knockdown increases <scp>ER</scp>â€“mitochondria contact and decreases amyloid Î²â€peptide production. Journal of Cellular and Molecular Medicine, 2016, 20, 1686-1695.	3.6	124
45	The â€˜Coptic questionâ€™ in post-revolutionary Egypt: citizenship, democracy, religion. Ethnic and Racial Studies, 2015, 38, 2598-2613.	2.3	18
46	Mitofusin 2 ablation increases endoplasmic reticulumâ€“mitochondria coupling. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2174-81.	7.1	449
47	Loss of cysteine 584 impairs the storage and release, but not the synthesis of von Willebrand factor. Thrombosis and Haemostasis, 2014, 112, 1159-1166.	3.4	5
48	Ca²⁺ and cAMP crossâ€talk in mitochondria. Journal of Physiology, 2014, 592, 305-312.	2.9	41
49	Heterogeneity of Ca2+ handling among and within Golgi compartments. Journal of Molecular Cell Biology, 2013, 5, 266-276.	3.3	50
50	Modulation of the endoplasmic reticulumâ€“mitochondria interface in Alzheimerâ€™s disease and related models. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7916-7921.	7.1	381
51	Peroxisome Ca2+ Homeostasis in Animal and Plant Cells. Sub-Cellular Biochemistry, 2013, 69, 111-133.	2.4	8
52	Ca²⁺ dysregulation in neurons from transgenic mice expressing mutant presenilin 2. Aging Cell, 2012, 11, 885-893.	6.7	83
53	Endoplasmic Reticulum-mitochondria connections, calcium cross-talk and cell fate: a closer inspection. , 2012, , 75-106.		0
54	A Lys49-PLA2 myotoxin of Bothrops asper triggers a rapid death of macrophages that involves autocrine purinergic receptor signaling. Cell Death and Disease, 2012, 3, e343-e343.	6.3	20

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55	Mitochondrial Ca2+ homeostasis: mechanism, role, and tissue specificities. Pflugers Archiv European Journal of Physiology, 2012, 464, 3-17.	2.8	125
56	Intracellular organelles in the saga of Ca2+ homeostasis: different molecules for different purposes?. Cellular and Molecular Life Sciences, 2012, 69, 1077-1104.	5.4	58
57	After half a century mitochondrial calcium in- and efflux machineries reveal themselves. EMBO Journal, 2011, 30, 4119-4125.	7.8	157
58	New insights on culture and calcium signalling in neurons and astrocytes from epileptic patients. International Journal of Developmental Neuroscience, 2011, 29, 121-129.	1.6	8
59	Ca2+ signalling in the Golgi apparatus. Cell Calcium, 2011, 50, 184-192.	2.4	118
60	Structural, functional, and bioinformatics studies reveal a new snake venom homologue phospholipase A₂ class. Proteins: Structure, Function and Bioinformatics, 2011, 79, 61-78.	2.6	44
61	Presenilin-2 modulation of ER-mitochondria interactions. Communicative and Integrative Biology, 2011, 4, 357-360.	1.4	29
62	Presenilin 2 modulates endoplasmic reticulum (ER)â€“mitochondria interactions and Ca ²⁺ cross-talk. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2777-2782.	7.1	248
63	Grp94 acts as a mediator of curcuminâ€induced antioxidant defence in myogenic cells. Journal of Cellular and Molecular Medicine, 2010, 14, 970-981.	3.6	72
64	H2O2 in plant peroxisomes: an in vivo analysis uncovers a Ca2+-dependent scavenging system. Plant Journal, 2010, 62, 760-772.	5.7	211
65	Unique characteristics of Ca ²⁺ homeostasis of the <i>trans</i> -Golgi compartment. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9198-9203.	7.1	114
66	The trans-Golgi compartment. Communicative and Integrative Biology, 2010, 3, 462-464.	1.4	25
67	Bothrops snake myotoxins induce a large efflux of ATP and potassium with spreading of cell damage and pain. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14140-14145.	7.1	66
68	The C-terminal region of a Lys49 myotoxin mediates Ca2+ influx in C2C12 myotubes. Toxicon, 2010, 55, 590-596.	1.6	28
69	Ca2+ Hot Spots on the Mitochondrial Surface Are Generated by Ca2+ Mobilization from Stores, but Not by Activation of Store-Operated Ca2+ Channels. Molecular Cell, 2010, 38, 280-290.	9.7	350
70	Presenilinâ€2 dampens intracellular Ca²⁺ stores by increasing Ca²⁺ leakage and reducing Ca²⁺ uptake. Journal of Cellular and Molecular Medicine, 2009, 13, 3358-3369.	3.6	73
71	Mitochondria, calcium and cell death: A deadly triad in neurodegeneration. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 335-344.	1.0	254
72	Calcium imaging of muscle cells treated with snake myotoxins reveals toxin synergism and presence of acceptors. Cellular and Molecular Life Sciences, 2009, 66, 1718-1728.	5.4	66

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73	Role of capacitative calcium entry on glutamate-induced calcium influx in type-I rat cortical astrocytes. Journal of Neurochemistry, 2008, 79, 98-109.	3.9	96
74	High content analysis of Î³-secretase activity reveals variable dominance of presenilin mutations linked to familial Alzheimer's disease. Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 1551-1560.	4.1	19
75	Ribonucleotide reduction is a cytosolic process in mammalian cells independently of DNA damage. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17801-17806.	7.1	95
76	Calcium Dynamics in the Peroxisomal Lumen of Living Cells. Journal of Biological Chemistry, 2008, 283, 14384-14390.	3.4	42
77	Calcium Influx and Mitochondrial Alterations at Synapses Exposed to Snake Neurotoxins or Their Phospholipid Hydrolysis Products. Journal of Biological Chemistry, 2007, 282, 11238-11245.	3.4	61
78	Mitochondrial Ca2+ as a key regulator of cell life and death. Cell Death and Differentiation, 2007, 14, 1267-1274.	11.2	222
79	Mitochondriaâ€"endoplasmic reticulum choreography: structure and signaling dynamics. Trends in Cell Biology, 2007, 17, 511-517.	7.9	234
80	Presenilin mutations linked to familial Alzheimer's disease reduce endoplasmic reticulum and Golgi apparatus calcium levels. Cell Calcium, 2006, 39, 539-550.	2.4	136
81	Lipid-Based Membrane Microdomains in T Cell Activation. Current Immunology Reviews, 2005, 1, 7-12.	1.2	3
82	Reduction of Ca2+ stores and capacitative Ca2+ entry is associated with the familial Alzheimer's disease presenilin-2 T122R mutation and anticipates the onset of dementia. Neurobiology of Disease, 2005, 18, 638-648.	4.4	73
83	Lipid rafts in lymphocyte activation. Microbes and Infection, 2004, 6, 686-692.	1.9	34
84	Physiological T cell activation starts and propagates in lipid rafts. Immunology Letters, 2004, 91, 3-9.	2.5	40
85	The presenilin 2 M239I mutation associated with familial Alzheimer's disease reduces Ca2+ release from intracellular stores. Neurobiology of Disease, 2004, 15, 269-278.	4.4	80
86	Lymphocyte lipid rafts: structure and function. Current Opinion in Immunology, 2003, 15, 255-260.	5.5	72
87	Paradoxical Ca 2+ Rises induced by Low External Ca 2+ in Rat Hippocampal Neurones. Journal of Physiology, 2003, 549, 537-552.	2.9	15
88	Diacylglycerol activates the influx of extracellular cations in T-lymphocytes independently of intracellular calcium-store depletion and possibly involving endogenous TRP6 gene products. Biochemical Journal, 2002, 364, 245-254.	3.7	79
89	Lipid rafts and T cell receptor signaling: a critical re-evaluation. European Journal of Immunology, 2002, 32, 3082-3091.	2.9	109
90	Delayed Activation of the Store-operated Calcium Current Induced by Calreticulin Overexpression in RBL-1 Cells. Molecular Biology of the Cell, 1998, 9, 1513-1522.	2.1	68

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91	Dynamic Properties of an Inositol 1,4,5-Trisphosphateâ€“ and Thapsigargin-insensitive Calcium Pool in Mammalian Cell Lines. Journal of Cell Biology, 1997, 136, 355-366.	5.2	76
92	Targeting aequorin and green fluorescent protein to intracellular organelles. Gene, 1996, 173, 113-117.	2.2	61
93	Mitochondrial alterations induced by aspirin in rat hepatocytes expressing mitochondrially targeted green fluorescent protein (mtGFP). FEBS Letters, 1996, 382, 256-260.	2.8	7
94	Reduced levels of dystrophin associated proteins in the brains of mice deficient for Dp71. Human Molecular Genetics, 1996, 5, 1299-1303.	2.9	54
95	Chimeric green fluorescent protein as a tool for visualizing subcellular organelles in living cells. Current Biology, 1995, 5, 635-642.	3.9	492
96	Synergistic Effect of Extracellular Adenosine 5â€²-Triphosphate and Tumor Necrosis Factor on DNA Degradation. Cellular Immunology, 1993, 152, 110-119.	3.0	11
97	Ontogenesis of Chick Iris Intrinsic Muscles: Evidence for a Smooth-to-Striated Muscle Transition. Developmental Biology, 1993, 159, 441-449.	2.0	22
98	Characterization of the cytotoxic effect of extracellular ATP in J774 mouse macrophages. Biochemical Journal, 1992, 288, 897-901.	3.7	94
99	<i>In Vitro</i>Cytotoxic Effects of Extracellular ATP. ATLA Alternatives To Laboratory Animals, 1992, 20, 66-70.	1.0	7
100	Extracellular ATP causes lysis of mouse thymocytes and activates a plasma membrane ion channel. Biochemical Journal, 1991, 274, 139-144.	3.7	92
101	Mechanisms of Neutrophil and Macrophage Motility. Advances in Experimental Medicine and Biology, 1991, 297, 13-22.	1.6	3
102	Extracellular ATP as a possible mediator of cell-mediated cytotoxicity. Trends in Immunology, 1990, 11, 274-277.	7.5	116