

# Paolo Pinton

## List of Publications by Citations

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353  
papers

33,855  
citations

89  
h-index

177  
g-index

395  
ext. papers

39,818  
ext. citations

7.6  
avg, IF

7.1  
L-index

#	Paper	IF	Citations
353	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
352	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , <b>2018</b> , 25, 486-541	12.7	2160
351	Close contacts with the endoplasmic reticulum as determinants of mitochondrial Ca <sup>2+</sup> responses. <i>Science</i> , <b>1998</b> , 280, 1763-6	33.3	1795
350	Electron transfer between cytochrome c and p66Shc generates reactive oxygen species that trigger mitochondrial apoptosis. <i>Cell</i> , <b>2005</b> , 122, 221-33	56.2	919
349	Regulation of autophagy by cytoplasmic p53. <i>Nature Cell Biology</i> , <b>2008</b> , 10, 676-87	23.4	899
348	Calcium and apoptosis: ER-mitochondria Ca <sup>2+</sup> transfer in the control of apoptosis. <i>Oncogene</i> , <b>2008</b> , 27, 6407-18	9.2	772
347	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. <i>Cell Death and Differentiation</i> , <b>2015</b> , 22, 58-73	12.7	643
346	Regulation of mitochondrial ATP synthesis by calcium: evidence for a long-term metabolic priming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1999</b> , 96, 13807-12	11.5	633
345	Isolation of mitochondria-associated membranes and mitochondria from animal tissues and cells. <i>Nature Protocols</i> , <b>2009</b> , 4, 1582-90	18.8	555
344	The Ca <sup>2+</sup> concentration of the endoplasmic reticulum is a key determinant of ceramide-induced apoptosis: significance for the molecular mechanism of Bcl-2 action. <i>EMBO Journal</i> , <b>2001</b> , 20, 2690-701	13	477
343	Protein kinase C beta and prolyl isomerase 1 regulate mitochondrial effects of the life-span determinant p66Shc. <i>Science</i> , <b>2007</b> , 315, 659-63	33.3	404
342	Reduced loading of intracellular Ca(2+) stores and downregulation of capacitative Ca(2+) influx in Bcl-2-overexpressing cells. <i>Journal of Cell Biology</i> , <b>2000</b> , 148, 857-62	7.3	401
341	The Golgi apparatus is an inositol 1,4,5-trisphosphate-sensitive Ca <sup>2+</sup> store, with functional properties distinct from those of the endoplasmic reticulum. <i>EMBO Journal</i> , <b>1998</b> , 17, 5298-308	13	389
340	Mitochondria-ros crosstalk in the control of cell death and aging. <i>Journal of Signal Transduction</i> , <b>2012</b> , 2012, 329635		388
339	Calcium and apoptosis: facts and hypotheses. <i>Oncogene</i> , <b>2003</b> , 22, 8619-27	9.2	365
338	Role of the c subunit of the FO ATP synthase in mitochondrial permeability transition. <i>Cell Cycle</i> , <b>2013</b> , 12, 674-83	4.7	357
337	Recombinant expression of the voltage-dependent anion channel enhances the transfer of Ca <sup>2+</sup> microdomains to mitochondria. <i>Journal of Cell Biology</i> , <b>2002</b> , 159, 613-24	7.3	356

336	Ca(2+) transfer from the ER to mitochondria: when, how and why. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2009</b> , 1787, 1342-51	4.6	342
335	PML regulates apoptosis at endoplasmic reticulum by modulating calcium release. <i>Science</i> , <b>2010</b> , 330, 1247-51	33.3	322
334	The endoplasmic reticulum-mitochondria connection: one touch, multiple functions. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2014</b> , 1837, 461-9	4.6	304
333	Structural and functional link between the mitochondrial network and the endoplasmic reticulum. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2009</b> , 41, 1817-27	5.6	294
332	The machineries, regulation and cellular functions of mitochondrial calcium. <i>Nature Reviews Molecular Cell Biology</i> , <b>2018</b> , 19, 713-730	48.7	288
331	Mitochondrial Ca(2+) and apoptosis. <i>Cell Calcium</i> , <b>2012</b> , 52, 36-43	4	280
330	Systemic elevation of PTEN induces a tumor-suppressive metabolic state. <i>Cell</i> , <b>2012</b> , 149, 49-62	56.2	278
329	Calcium signaling around Mitochondria Associated Membranes (MAMs). <i>Cell Communication and Signaling</i> , <b>2011</b> , 9, 19	7.5	246
328	Mitochondrial and endoplasmic reticulum calcium homeostasis and cell death. <i>Cell Calcium</i> , <b>2018</b> , 69, 62-72	4	241
327	A novel recombinant plasma membrane-targeted luciferase reveals a new pathway for ATP secretion. <i>Molecular Biology of the Cell</i> , <b>2005</b> , 16, 3659-65	3.5	229
326	VDAC1 selectively transfers apoptotic Ca <sup>2+</sup> signals to mitochondria. <i>Cell Death and Differentiation</i> , <b>2012</b> , 19, 267-73	12.7	218
325	Ca <sup>2+</sup> signaling, mitochondria and cell death. <i>Current Molecular Medicine</i> , <b>2008</b> , 8, 119-30	2.5	218
324	pH difference across the outer mitochondrial membrane measured with a green fluorescent protein mutant. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 326, 799-804	3.4	215
323	High glucose induces adipogenic differentiation of muscle-derived stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 1226-31	11.5	214
322	BAP1 regulates IP3R3-mediated Ca flux to mitochondria suppressing cell transformation. <i>Nature</i> , <b>2017</b> , 546, 549-553	50.4	211
321	Bcl-2 and Ca <sup>2+</sup> homeostasis in the endoplasmic reticulum. <i>Cell Death and Differentiation</i> , <b>2006</b> , 13, 1409-187		209
320	Mitochondria, calcium and cell death: a deadly triad in neurodegeneration. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2009</b> , 1787, 335-44	4.6	206
319	p53 at the endoplasmic reticulum regulates apoptosis in a Ca <sup>2+</sup> -dependent manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 1779-84	11.5	204

318	Basal activation of the P2X7 ATP receptor elevates mitochondrial calcium and potential, increases cellular ATP levels, and promotes serum-independent growth. <i>Molecular Biology of the Cell</i> , <b>2005</b> , 16, 3260-72	3.5	204
317	Mitochondria-associated membranes: composition, molecular mechanisms, and physiopathological implications. <i>Antioxidants and Redox Signaling</i> , <b>2015</b> , 22, 995-1019	8.4	200
316	ATP synthesis and storage. <i>Purinergic Signalling</i> , <b>2012</b> , 8, 343-57	3.8	199
315	Relation between mitochondrial membrane potential and ROS formation. <i>Methods in Molecular Biology</i> , <b>2012</b> , 810, 183-205	1.4	197
314	The mitochondrial calcium uniporter complex: molecular components, structure and physiopathological implications. <i>Journal of Physiology</i> , <b>2014</b> , 592, 829-39	3.9	192
313	Cancer-associated PTEN mutants act in a dominant-negative manner to suppress PTEN protein function. <i>Cell</i> , <b>2014</b> , 157, 595-610	56.2	190
312	A STAT3-mediated metabolic switch is involved in tumour transformation and STAT3 addiction. <i>Aging</i> , <b>2010</b> , 2, 823-42	5.6	188
311	Identification of PTEN at the ER and MAMs and its regulation of Ca(2+) signaling and apoptosis in a protein phosphatase-dependent manner. <i>Cell Death and Differentiation</i> , <b>2013</b> , 20, 1631-43	12.7	181
310	Methods to monitor ROS production by fluorescence microscopy and fluorometry. <i>Methods in Enzymology</i> , <b>2014</b> , 542, 243-62	1.7	177
309	Protein kinases and phosphatases in the control of cell fate. <i>Enzyme Research</i> , <b>2011</b> , 2011, 329098	2.4	175
308	Downregulation of the mitochondrial calcium uniporter by cancer-related miR-25. <i>Current Biology</i> , <b>2013</b> , 23, 58-63	6.3	174
307	Dense core secretory vesicles revealed as a dynamic Ca(2+) store in neuroendocrine cells with a vesicle-associated membrane protein aequorin chimera. <i>Journal of Cell Biology</i> , <b>2001</b> , 155, 41-51	7.3	174
306	Molecular mechanisms of cell death: central implication of ATP synthase in mitochondrial permeability transition. <i>Oncogene</i> , <b>2015</b> , 34, 1475-86	9.2	158
305	Molecular identity of the mitochondrial permeability transition pore and its role in ischemia-reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2015</b> , 78, 142-53	5.8	154
304	Mitochondria as biosensors of calcium microdomains. <i>Cell Calcium</i> , <b>1999</b> , 26, 193-9	4	151
303	Ero1 $\beta$ regulates Ca(2+) fluxes at the endoplasmic reticulum-mitochondria interface (MAM). <i>Antioxidants and Redox Signaling</i> , <b>2012</b> , 16, 1077-87	8.4	150
302	The metabolic co-regulator PGC1 $\beta$ suppresses prostate cancer metastasis. <i>Nature Cell Biology</i> , <b>2016</b> , 18, 645-656	23.4	140
301	PTEN counteracts FBXL2 to promote IP3R3- and Ca-mediated apoptosis limiting tumour growth. <i>Nature</i> , <b>2017</b> , 546, 554-558	50.4	139

300	A calcium signaling defect in the pathogenesis of a mitochondrial DNA inherited oxidative phosphorylation deficiency. <i>Nature Medicine</i> , <b>1999</b> , 5, 951-4	50.5	135
299	Endoplasmic reticulum stress and alteration in calcium homeostasis are involved in cadmium-induced apoptosis. <i>Cell Calcium</i> , <b>2008</b> , 43, 184-95	4	134
298	Selective modulation of subtype III IP <sub>3</sub> by Akt regulates ER Ca <sup>2+</sup> release and apoptosis. <i>Cell Death and Disease</i> , <b>2012</b> , 3, e304	9.8	126
297	Subcellular calcium measurements in mammalian cells using jellyfish photoprotein aequorin-based probes. <i>Nature Protocols</i> , <b>2013</b> , 8, 2105-18	18.8	125
296	Mitochondrial permeability transition involves dissociation of FF ATP synthase dimers and C-ring conformation. <i>EMBO Reports</i> , <b>2017</b> , 18, 1077-1089	6.5	122
295	Mitochondrial calcium homeostasis as potential target for mitochondrial medicine. <i>Mitochondrion</i> , <b>2012</b> , 12, 77-85	4.9	121
294	Recombinant aequorin and green fluorescent protein as valuable tools in the study of cell signalling. <i>Biochemical Journal</i> , <b>2001</b> , 355, 1-12	3.8	120
293	Syndromic parkinsonism and dementia associated with OPA1 missense mutations. <i>Annals of Neurology</i> , <b>2015</b> , 78, 21-38	9.4	119
292	The P2X7 receptor directly interacts with the NLRP3 inflammasome scaffold protein. <i>FASEB Journal</i> , <b>2015</b> , 29, 2450-61	0.9	119
291	Mitochondria in non-alcoholic fatty liver disease. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2018</b> , 95, 93-99	5.6	118
290	The mitochondrial heme exporter FLVCR1b mediates erythroid differentiation. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 4569-79	15.9	117
289	Extracellular ATP causes ROCK I-dependent bleb formation in P2X7-transfected HEK293 cells. <i>Molecular Biology of the Cell</i> , <b>2003</b> , 14, 2655-64	3.5	113
288	Recombinant expression of the Ca <sup>2+</sup> -sensitive aspartate/glutamate carrier increases mitochondrial ATP production in agonist-stimulated Chinese hamster ovary cells. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 38686-92	5.4	112
287	Calcium regulates cell death in cancer: Roles of the mitochondria and mitochondria-associated membranes (MAMs). <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2017</b> , 1858, 615-627	4.6	111
286	The mitochondrial permeability transition pore and cancer: molecular mechanisms involved in cell death. <i>Frontiers in Oncology</i> , <b>2014</b> , 4, 302	5.3	106
285	ER functions of oncogenes and tumor suppressors: Modulators of intracellular Ca <sup>2+</sup> signaling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2016</b> , 1863, 1364-78	4.9	104
284	Targeting mitochondria for cardiovascular disorders: therapeutic potential and obstacles. <i>Nature Reviews Cardiology</i> , <b>2019</b> , 16, 33-55	14.8	104
283	Calcium Dynamics as a Machine for Decoding Signals. <i>Trends in Cell Biology</i> , <b>2018</b> , 28, 258-273	18.3	103

282	Redox control of protein kinase C: cell- and disease-specific aspects. <i>Antioxidants and Redox Signaling</i> , <b>2010</b> , 13, 1051-85	8.4	103
281	Androgen receptor with elongated polyglutamine tract forms aggregates that alter axonal trafficking and mitochondrial distribution in motor neuronal processes. <i>FASEB Journal</i> , <b>2002</b> , 16, 1418-20	0.9	103
280	Use of luciferase probes to measure ATP in living cells and animals. <i>Nature Protocols</i> , <b>2017</b> , 12, 1542-1562	28.8	102
279	Mitochondria and Reactive Oxygen Species in Aging and Age-Related Diseases. <i>International Review of Cell and Molecular Biology</i> , <b>2018</b> , 340, 209-344	6	102
278	Mitochondrial Ca <sup>2+</sup> -dependent NLRP3 activation exacerbates the <i>Pseudomonas aeruginosa</i> -driven inflammatory response in cystic fibrosis. <i>Nature Communications</i> , <b>2015</b> , 6, 6201	17.4	101
277	Interaction of Mitochondria with the Endoplasmic Reticulum and Plasma Membrane in Calcium Homeostasis, Lipid Trafficking and Mitochondrial Structure. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	99
276	Controlling metabolism and cell death: at the heart of mitochondrial calcium signalling. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2009</b> , 46, 781-8	5.8	97
275	Akt kinase reducing endoplasmic reticulum Ca <sup>2+</sup> release protects cells from Ca <sup>2+</sup> -dependent apoptotic stimuli. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 375, 501-5	3.4	97
274	Accelerated tumor progression in mice lacking the ATP receptor P2X7. <i>Cancer Research</i> , <b>2015</b> , 75, 635-44	10.1	96
273	Mitochondrial reactive oxygen species and inflammation: Molecular mechanisms, diseases and promising therapies. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2016</b> , 81, 281-293	5.6	96
272	The coxsackievirus 2B protein suppresses apoptotic host cell responses by manipulating intracellular Ca <sup>2+</sup> homeostasis. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 18440-50	5.4	94
271	Melatonin as a master regulator of cell death and inflammation: molecular mechanisms and clinical implications for newborn care. <i>Cell Death and Disease</i> , <b>2019</b> , 10, 317	9.8	91
270	Bcl-2 and Bax exert opposing effects on Ca <sup>2+</sup> signaling, which do not depend on their putative pore-forming region. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 54581-9	5.4	91
269	Endoplasmic reticulum, Bcl-2 and Ca <sup>2+</sup> handling in apoptosis. <i>Cell Calcium</i> , <b>2002</b> , 32, 413-20	4	91
268	PML at Mitochondria-Associated Membranes Is Critical for the Repression of Autophagy and Cancer Development. <i>Cell Reports</i> , <b>2016</b> , 16, 2415-27	10.6	90
267	The versatility of mitochondrial calcium signals: from stimulation of cell metabolism to induction of cell death. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2008</b> , 1777, 808-16	4.6	90
266	Mcl-1 involvement in mitochondrial dynamics is associated with apoptotic cell death. <i>Molecular Biology of the Cell</i> , <b>2016</b> , 27, 20-34	3.5	89
265	Oxidative stress in cardiovascular diseases and obesity: role of p66Shc and protein kinase C. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2013</b> , 2013, 564961	6.7	87

264	Metformin prevents glucose-induced protein kinase C-beta2 activation in human umbilical vein endothelial cells through an antioxidant mechanism. <i>Diabetes</i> , <b>2005</b> , 54, 1123-31	0.9	87
263	Reticulon 3-dependent ER-PM contact sites control EGFR nonclathrin endocytosis. <i>Science</i> , <b>2017</b> , 356, 617-624	33.3	85
262	Defective autophagy is a key feature of cerebral cavernous malformations. <i>EMBO Molecular Medicine</i> , <b>2015</b> , 7, 1403-17	12	83
261	SEPN1, an endoplasmic reticulum-localized selenoprotein linked to skeletal muscle pathology, counteracts hyperoxidation by means of redox-regulating SERCA2 pump activity. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 1843-55	5.6	82
260	KRIT1 regulates the homeostasis of intracellular reactive oxygen species. <i>PLoS ONE</i> , <b>2010</b> , 5, e11786	3.7	81
259	Dynamics of glucose-induced membrane recruitment of protein kinase C beta II in living pancreatic islet beta-cells. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 37702-10	5.4	79
258	Age-related changes in levels of p66Shc and serine 36-phosphorylated p66Shc in organs and mouse tissues. <i>Archives of Biochemistry and Biophysics</i> , <b>2009</b> , 486, 73-80	4.1	78
257	Recombinant aequorin and green fluorescent protein as valuable tools in the study of cell signalling. <i>Biochemical Journal</i> , <b>2001</b> , 355, 1-12	3.8	78
256	Role of Mitochondria-Associated ER Membranes in Calcium Regulation in Cancer-Specific Settings. <i>Neoplasia</i> , <b>2018</b> , 20, 510-523	6.4	77
255	SERCA1 truncated proteins unable to pump calcium reduce the endoplasmic reticulum calcium concentration and induce apoptosis. <i>Journal of Cell Biology</i> , <b>2001</b> , 153, 1301-14	7.3	76
254	Germline BAP1 mutations induce a Warburg effect. <i>Cell Death and Differentiation</i> , <b>2017</b> , 24, 1694-1704	12.7	75
253	Intravital imaging reveals p53-dependent cancer cell death induced by phototherapy via calcium signaling. <i>Oncotarget</i> , <b>2015</b> , 6, 1435-45	3.3	75
252	Expression of the P2X7 receptor increases the Ca <sup>2+</sup> content of the endoplasmic reticulum, activates NFATc1, and protects from apoptosis. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 10120-8	5.4	74
251	Long-term modulation of mitochondrial Ca <sup>2+</sup> signals by protein kinase C isozymes. <i>Journal of Cell Biology</i> , <b>2004</b> , 165, 223-32	7.3	74
250	Isolation of plasma membrane-associated membranes from rat liver. <i>Nature Protocols</i> , <b>2014</b> , 9, 312-22	18.8	73
249	Endoplasmic Reticulum-Mitochondria Communication Through Ca Signaling: The Importance of Mitochondria-Associated Membranes (MAMs). <i>Advances in Experimental Medicine and Biology</i> , <b>2017</b> , 997, 49-67	3.6	73
248	The prolyl-isomerase Pin1 activates the mitochondrial death program of p53. <i>Cell Death and Differentiation</i> , <b>2013</b> , 20, 198-208	12.7	72
247	Alterations of calcium homeostasis in cancer cells. <i>Current Opinion in Pharmacology</i> , <b>2016</b> , 29, 1-6	5.1	72

246	The mitochondrial permeability transition pore is a dispensable element for mitochondrial calcium efflux. <i>Cell Calcium</i> , <b>2014</b> , 56, 1-13	4	71
245	Tumor necrosis factor- $\beta$ impairs oligodendroglial differentiation through a mitochondria-dependent process. <i>Cell Death and Differentiation</i> , <b>2014</b> , 21, 1198-208	12.7	71
244	The role of PML in the control of apoptotic cell fate: a new key player at ER-mitochondria sites. <i>Cell Death and Differentiation</i> , <b>2011</b> , 18, 1450-6	12.7	71
243	p66Shc, oxidative stress and aging: importing a lifespan determinant into mitochondria. <i>Cell Cycle</i> , <b>2008</b> , 7, 304-8	4.7	71
242	Localization and Processing of the Amyloid Protein Precursor in Mitochondria-Associated Membranes. <i>Journal of Alzheimer's Disease</i> , <b>2017</b> , 55, 1549-1570	4.3	70
241	Biosensors for the detection of calcium and pH. <i>Methods in Cell Biology</i> , <b>2007</b> , 80, 297-325	1.8	69
240	Emerging molecular mechanisms in chemotherapy: Ca signaling at the mitochondria-associated endoplasmic reticulum membranes. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 334	9.8	68
239	A novel $Ca^{2+}$ -mediated cross-talk between endoplasmic reticulum and acidic organelles: implications for NAADP-dependent $Ca^{2+}$ signalling. <i>Cell Calcium</i> , <b>2015</b> , 57, 89-100	4	68
238	Targeted recombinant aequorins: tools for monitoring $[Ca^{2+}]$ in the various compartments of a living cell. <i>Microscopy Research and Technique</i> , <b>1999</b> , 46, 380-9	2.8	66
237	Mechanistic Role of mPTP in Ischemia-Reperfusion Injury. <i>Advances in Experimental Medicine and Biology</i> , <b>2017</b> , 982, 169-189	3.6	62
236	Mitochondria-associated membranes (MAMs) as hotspot $Ca^{2+}$ signaling units. <i>Advances in Experimental Medicine and Biology</i> , <b>2012</b> , 740, 411-37	3.6	62
235	Transglutaminase Type 2 Regulates ER-Mitochondria Contact Sites by Interacting with GRP75. <i>Cell Reports</i> , <b>2018</b> , 25, 3573-3581.e4	10.6	61
234	Perturbed mitochondrial $Ca^{2+}$ signals as causes or consequences of mitophagy induction. <i>Autophagy</i> , <b>2013</b> , 9, 1677-86	10.2	59
233	Inhibitory interaction of the 14-3-3 $\epsilon$ protein with isoform 4 of the plasma membrane $Ca^{2+}$ -ATPase pump. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 37195-203	5.4	58
232	STAT3 localizes to the ER, acting as a gatekeeper for ER-mitochondrion Ca fluxes and apoptotic responses. <i>Cell Death and Differentiation</i> , <b>2019</b> , 26, 932-942	12.7	57
231	Nanoscale particle therapies for wounds and ulcers. <i>Nanomedicine</i> , <b>2010</b> , 5, 641-56	5.6	56
230	Donor age-related biological properties of human dental pulp stem cells change in nanostructured scaffolds. <i>PLoS ONE</i> , <b>2012</b> , 7, e49146	3.7	55
229	Ca Fluxes and Cancer. <i>Molecular Cell</i> , <b>2020</b> , 78, 1055-1069	17.6	54



228	PRKCB/protein kinase C, beta and the mitochondrial axis as key regulators of autophagy. <i>Autophagy</i> , <b>2013</b> , 9, 1367-85	10.2	54
227	Metformin restores the mitochondrial network and reverses mitochondrial dysfunction in Down syndrome cells. <i>Human Molecular Genetics</i> , <b>2017</b> , 26, 1056-1069	5.6	53
226	Intramitochondrial calcium regulation by the FHIT gene product sensitizes to apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 12753-8	11.5	52
225	Akt-mediated phosphorylation of MICU1 regulates mitochondrial Ca levels and tumor growth. <i>EMBO Journal</i> , <b>2019</b> , 38,	13	52
224	Constitutive IP signaling underlies the sensitivity of B-cell cancers to the Bcl-2/IP receptor disruptor BIRD-2. <i>Cell Death and Differentiation</i> , <b>2019</b> , 26, 531-547	12.7	51
223	H-Ras-driven tumoral maintenance is sustained through caveolin-1-dependent alterations in calcium signaling. <i>Oncogene</i> , <b>2014</b> , 33, 2329-40	9.2	51
222	STAT3 can serve as a hit in the process of malignant transformation of primary cells. <i>Cell Death and Differentiation</i> , <b>2012</b> , 19, 1390-7	12.7	51
221	Chronic pro-oxidative state and mitochondrial dysfunctions are more pronounced in fibroblasts from Down syndrome foeti with congenital heart defects. <i>Human Molecular Genetics</i> , <b>2013</b> , 22, 1218-32	5.6	51
220	Silencing of mitochondrial Lon protease deeply impairs mitochondrial proteome and function in colon cancer cells. <i>FASEB Journal</i> , <b>2014</b> , 28, 5122-35	0.9	50
219	Oxidative stress-dependent p66Shc phosphorylation in skin fibroblasts of children with mitochondrial disorders. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2010</b> , 1797, 952-60	4.6	50
218	Aspirin delays mesothelioma growth by inhibiting HMGB1-mediated tumor progression. <i>Cell Death and Disease</i> , <b>2015</b> , 6, e1786	9.8	49
217	ER-mitochondria cross-talk is regulated by the Ca sensor NCS1 and is impaired in Wolfram syndrome. <i>Science Signaling</i> , <b>2018</b> , 11,	8.8	48
216	Intersection of mitochondrial fission and fusion machinery with apoptotic pathways: Role of Mcl-1. <i>Biology of the Cell</i> , <b>2016</b> , 108, 279-293	3.5	47
215	Regulation of Calcium Fluxes by GPX8, a Type-II Transmembrane Peroxidase Enriched at the Mitochondria-Associated Endoplasmic Reticulum Membrane. <i>Antioxidants and Redox Signaling</i> , <b>2017</b> , 27, 583-595	8.4	46
214	17 $\beta$ -estradiol enhances signalling mediated by VEGF-A-delta-like ligand 4-notch1 axis in human endothelial cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e71440	3.7	46
213	A unified nomenclature and amino acid numbering for human PTEN. <i>Science Signaling</i> , <b>2014</b> , 7, pe15	8.8	45
212	Adipose tissue regeneration: a state of the art. <i>Journal of Biomedicine and Biotechnology</i> , <b>2012</b> , 2012, 462543		45
211	Human aquaporin-11 guarantees efficient transport of HO across the endoplasmic reticulum membrane. <i>Redox Biology</i> , <b>2020</b> , 28, 101326	11.3	45

210	Study of PTEN subcellular localization. <i>Methods</i> , <b>2015</b> , 77-78, 92-103	4.6	43
209	Mitophagy in Cardiovascular Diseases. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	42
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