

Nathanael Larochette

List of Publications by Citations

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45
papers

13,168
citations

35
h-index

46
g-index

46
ext. papers

14,117
ext. citations

9.9
avg, IF

5.14
L-index

#	Paper	IF	Citations
45	Molecular characterization of mitochondrial apoptosis-inducing factor. <i>Nature</i> , 1999 , 397, 441-6	50.4	3342
44	Calreticulin exposure dictates the immunogenicity of cancer cell death. <i>Nature Medicine</i> , 2007 , 13, 54-61	50.5	2026
43	Inhibition of macroautophagy triggers apoptosis. <i>Molecular and Cellular Biology</i> , 2005 , 25, 1025-40	4.8	1411
42	Mitochondrio-nuclear translocation of AIF in apoptosis and necrosis. <i>FASEB Journal</i> , 2000 , 14, 729-739	0.9	657
41	Mitochondrial release of caspase-2 and -9 during the apoptotic process. <i>Journal of Experimental Medicine</i> , 1999 , 189, 381-94	16.6	633
40	AIF deficiency compromises oxidative phosphorylation. <i>EMBO Journal</i> , 2004 , 23, 4679-89	13	522
39	The apoptosis/autophagy paradox: autophagic vacuolization before apoptotic death. <i>Journal of Cell Science</i> , 2005 , 118, 3091-102	5.3	431
38	Apoptosis-inducing factor (AIF): a novel caspase-independent death effector released from mitochondria. <i>Biochimie</i> , 2002 , 84, 215-22	4.6	418
37	Mitochondria as therapeutic targets for cancer chemotherapy. <i>Oncogene</i> , 2006 , 25, 4812-30	9.2	302
36	DNA binding is required for the apoptogenic action of apoptosis inducing factor. <i>Nature Structural Biology</i> , 2002 , 9, 680-4		279
35	Arsenite induces apoptosis via a direct effect on the mitochondrial permeability transition pore. <i>Experimental Cell Research</i> , 1999 , 249, 413-21	4.2	267
34	Oxidation of a critical thiol residue of the adenine nucleotide translocator enforces Bcl-2-independent permeability transition pore opening and apoptosis. <i>Oncogene</i> , 2000 , 19, 307-14	9.2	263
33	GAPDH, a novel regulator of the pro-apoptotic mitochondrial membrane permeabilization. <i>Oncogene</i> , 2007 , 26, 2606-20	9.2	262
32	PK11195, a ligand of the mitochondrial benzodiazepine receptor, facilitates the induction of apoptosis and reverses Bcl-2-mediated cytoprotection. <i>Experimental Cell Research</i> , 1998 , 241, 426-34	4.2	230
31	Cytofluorometric detection of mitochondrial alterations in early CD95/Fas/APO-1-triggered apoptosis of Jurkat T lymphoma cells. Comparison of seven mitochondrion-specific fluorochromes. <i>Immunology Letters</i> , 1998 , 61, 157-63	4.1	184
30	Hierarchical involvement of Bak, VDAC1 and Bax in cisplatin-induced cell death. <i>Oncogene</i> , 2008 , 27, 4221-32	9.2	178
29	The thiol crosslinking agent diamide overcomes the apoptosis-inhibitory effect of Bcl-2 by enforcing mitochondrial permeability transition. <i>Oncogene</i> , 1998 , 16, 1055-63	9.2	141

28	Essential role of p53 phosphorylation by p38 MAPK in apoptosis induction by the HIV-1 envelope. <i>Journal of Experimental Medicine</i> , 2005 , 201, 279-89	16.6	135
27	Human immunodeficiency virus 1 envelope glycoprotein complex-induced apoptosis involves mammalian target of rapamycin/FKBP12-rapamycin-associated protein-mediated p53 phosphorylation. <i>Journal of Experimental Medicine</i> , 2001 , 194, 1097-110	16.6	135
26	Polarized secretion of lysosomes at the B cell synapse couples antigen extraction to processing and presentation. <i>Immunity</i> , 2011 , 35, 361-74	32.3	123
25	Liver mitochondrial membrane crosslinking and destruction in a rat model of Wilson disease. <i>Journal of Clinical Investigation</i> , 2011 , 121, 1508-18	15.9	120
24	hTERT: a novel endogenous inhibitor of the mitochondrial cell death pathway. <i>Oncogene</i> , 2006 , 25, 4505-14	9.4	115
23	Caspases disrupt mitochondrial membrane barrier function. <i>FEBS Letters</i> , 1998 , 427, 198-202	3.8	108
22	NF-kappaB and p53 are the dominant apoptosis-inducing transcription factors elicited by the HIV-1 envelope. <i>Journal of Experimental Medicine</i> , 2004 , 199, 629-40	16.6	102
21	An anti-apoptotic viral protein that recruits Bax to mitochondria. <i>Journal of Biological Chemistry</i> , 2004 , 279, 22605-14	5.4	102
20	The chemopreventive agent N-(4-hydroxyphenyl)retinamide induces apoptosis through a mitochondrial pathway regulated by proteins from the Bcl-2 family. <i>Oncogene</i> , 2003 , 22, 6220-30	9.2	82
19	PK11195 potently sensitizes to apoptosis induction independently from the peripheral benzodiazepin receptor. <i>Oncogene</i> , 2005 , 24, 7503-13	9.2	79
18	A cytofluorometric assay of nuclear apoptosis induced in a cell-free system: application to ceramide-induced apoptosis. <i>Experimental Cell Research</i> , 1997 , 236, 397-403	4.2	71
17	Palmitate induces apoptosis via a direct effect on mitochondria. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 1999 , 4, 81-7	5.4	61
16	Human Mesenchymal Stem Cell Failure to Adapt to Glucose Shortage and Rapidly Use Intracellular Energy Reserves Through Glycolysis Explains Poor Cell Survival After Implantation. <i>Stem Cells</i> , 2018 , 36, 363-376	5.8	60
15	Cdc42 controls the dilation of the exocytotic fusion pore by regulating membrane tension. <i>Molecular Biology of the Cell</i> , 2014 , 25, 3195-209	3.5	46
14	Electrophoretic analysis of the mitochondrial outer membrane rupture induced by permeability transition. <i>Analytical Chemistry</i> , 2008 , 80, 5051-8	7.8	45
13	Structure-function analysis of the interaction between Bax and the cytomegalovirus-encoded protein vMIA. <i>Oncogene</i> , 2007 , 26, 7067-80	9.2	43
12	Purification of mitochondria for apoptosis assays. <i>Methods in Enzymology</i> , 2000 , 322, 205-8	1.7	43
11	Quiescence Preconditioned Human Multipotent Stromal Cells Adopt a Metabolic Profile Favorable for Enhanced Survival under Ischemia. <i>Stem Cells</i> , 2017 , 35, 181-196	5.8	39

10	Preapoptotic chromatin condensation upstream of the mitochondrial checkpoint. <i>Journal of Biological Chemistry</i> , 2004 , 279, 55937-45	5.4	27
9	Myrip couples the capture of secretory granules by the actin-rich cell cortex and their attachment to the plasma membrane. <i>Journal of Neuroscience</i> , 2012 , 32, 2564-77	6.6	20
8	Wild-type p53 induced sensitization of mutant p53 TNF-resistant cells: role of caspase-8 and mitochondria. <i>Cancer Gene Therapy</i> , 2002 , 9, 219-27	5.4	18
7	Functionalization of phosphocalcic bioceramics for bone repair applications. <i>Materials Science and Engineering C</i> , 2019 , 95, 343-354	8.3	14
6	Unexpected role of the phosphate carrier in mitochondrial fragmentation. <i>Cell Death and Differentiation</i> , 2008 , 15, 616-8	12.7	11
5	Osteogenic potential of adipogenic predifferentiated human bone marrow-derived multipotent stromal cells for bone tissue-engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, e1511-e1524	4.4	6
4	Osteogenic-differentiated mesenchymal stem cell-secreted extracellular matrix as a bone morphogenetic protein-2 delivery system for ectopic bone formation. <i>Acta Biomaterialia</i> , 2020 , 116, 186-200	10.8	6
3	The paracrine effects of human induced pluripotent stem cells promote bone-like structures via the upregulation of BMP expression in a mouse ectopic model. <i>Scientific Reports</i> , 2018 , 8, 17106	4.9	6
2	Effect of the Bone Morphogenetic Protein-2 Doses on the Osteogenic Potential of Human Multipotent Stromal Cells- Containing Tissue Engineered Constructs. <i>Tissue Engineering - Part A</i> , 2019 , 25, 642-651	3.9	5
1	A role for BDNF- and NMDAR-induced lysosomal recruitment of mTORC1 in the regulation of neuronal mTORC1 activity. <i>Molecular Brain</i> , 2021 , 14, 112	4.5	0