

Patrice X Petit

List of Publications by Year in descending order

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65
papers

4,584
citations

126907

33
h-index

118850

62
g-index

67
all docs

67
docs citations

67
times ranked

5546
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Mitochondria and programmed cell death: back to the future. <i>FEBS Letters</i> , 1996, 396, 7-13. | 2.8 | 459 |
| 2 | Mitochondrial implication in accidental and programmed cell death: apoptosis and necrosis. <i>Journal of Bioenergetics and Biomembranes</i> , 1997, 29, 185-193. | 2.3 | 300 |
| 3 | Commitment to apoptosis is associated with changes in mitochondrial biogenesis and activity in cell lines conditionally immortalized with simian virus 40. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 11752-11756. | 7.1 | 293 |
| 4 | Disruption of the outer mitochondrial membrane as a result of large amplitude swelling: the impact of irreversible permeability transition. <i>FEBS Letters</i> , 1998, 426, 111-116. | 2.8 | 266 |
| 5 | Cardiolipin provides an essential activating platform for caspase-8 on mitochondria. <i>Journal of Cell Biology</i> , 2008, 183, 681-696. | 5.2 | 258 |
| 6 | Analysis of the membrane potential of rat- and mouse-liver mitochondria by flow cytometry and possible applications. <i>FEBS Journal</i> , 1990, 194, 389-397. | 0.2 | 225 |
| 7 | On the evolution of programmed cell death: apoptosis of the unicellular eukaryote <i>Leishmania major</i> involves cysteine proteinase activation and mitochondrion permeabilization. <i>Cell Death and Differentiation</i> , 2002, 9, 65-81. | 11.2 | 197 |
| 8 | Lonidamine triggers apoptosis via a direct, Bcl-2-inhibited effect on the mitochondrial permeability transition pore. <i>Oncogene</i> , 1999, 18, 2537-2546. | 5.9 | 194 |
| 9 | On the Evolutionary Conservation of the Cell Death Pathway: Mitochondrial Release of an Apoptosis-inducing Factor during <i>Dictyostelium discoideum</i> Cell Death. <i>Molecular Biology of the Cell</i> , 2001, 12, 3016-3030. | 2.1 | 151 |
| 10 | Bcl-2 and Bax modulate adenine nucleotide translocase activity. <i>Cancer Research</i> , 2003, 63, 541-6. | 0.9 | 147 |
| 11 | Barth syndrome: Cellular compensation of mitochondrial dysfunction and apoptosis inhibition due to changes in cardiolipin remodeling linked to tafazzin (TAZ) gene mutation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 1194-1206. | 3.8 | 140 |
| 12 | Cardiolipin deficiency releases cytochrome c from the inner mitochondrial membrane and accelerates stimuli-elicited apoptosis. <i>Cell Death and Differentiation</i> , 2007, 14, 597-606. | 11.2 | 135 |
| 13 | Caspases disrupt mitochondrial membrane barrier function. <i>FEBS Letters</i> , 1998, 427, 198-202. | 2.8 | 123 |
| 14 | Curcumin induces crosstalk between autophagy and apoptosis mediated by calcium release from the endoplasmic reticulum, lysosomal destabilization and mitochondrial events. <i>Cell Death Discovery</i> , 2015, 1, 15017. | 4.7 | 102 |
| 15 | Cysteine 62 of Bax Is Critical for Its Conformational Activation and Its Proapoptotic Activity in Response to H ₂ O ₂ -induced Apoptosis. <i>Journal of Biological Chemistry</i> , 2008, 283, 15359-15369. | 3.4 | 88 |
| 16 | Siva-1 and an Alternative Splice Form Lacking the Death Domain, Siva-2, Similarly Induce Apoptosis in T Lymphocytes via a Caspase-Dependent Mitochondrial Pathway. <i>Journal of Immunology</i> , 2004, 172, 4008-4017. | 0.8 | 79 |
| 17 | Cytofluorometric analysis of chondrotoxicity of fluoroquinolone antimicrobial agents. <i>Antimicrobial Agents and Chemotherapy</i> , 1994, 38, 243-247. | 3.2 | 74 |
| 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. | 2.6 | 73 |

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|----|--|-----|-----------|
| 19 | Barth Syndrome: From Mitochondrial Dysfunctions Associated with Aberrant Production of Reactive Oxygen Species to Pluripotent Stem Cell Studies. <i>Frontiers in Genetics</i> , 2015, 6, 359. | 2.3 | 73 |
| 20 | A Novel C-terminal Motif Is Necessary for the Export of the Vasopressin V1b/V3 Receptor to the Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2005, 280, 2300-2308. | 3.4 | 67 |
| 21 | Curcumin hormesis mediates a cross-talk between autophagy and cell death. <i>Cell Death and Disease</i> , 2015, 6, e2003-e2003. | 6.3 | 67 |
| 22 | Hormetic effects of curcumin: What is the evidence?. <i>Journal of Cellular Physiology</i> , 2019, 234, 10060-10071. | 4.1 | 67 |
| 23 | 25-hydroxycholesterol provokes oligodendrocyte cell line apoptosis and stimulates the secreted phospholipase A2 type IIA via LXR beta and PXR. <i>Journal of Neurochemistry</i> , 2009, 109, 945-958. | 3.9 | 59 |
| 24 | Flow Cytometric Analysis of Rhodamine 123 Fluorescence during Modulation of the Membrane Potential in Plant Mitochondria. <i>Plant Physiology</i> , 1992, 98, 279-286. | 4.8 | 56 |
| 25 | Iron chelation by curcumin suppresses both curcumin-induced autophagy and cell death together with iron overload neoplastic transformation. <i>Cell Death Discovery</i> , 2019, 5, 150. | 4.7 | 48 |
| 26 | Curcumin, a Multifaceted Hormetic Agent, Mediates an Intricate Crosstalk between Mitochondrial Turnover, Autophagy, and Apoptosis. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-23. | 4.0 | 47 |
| 27 | The outer membrane of plant mitochondria contains a calcium-dependent protein kinase and multiple phosphoproteins. <i>FEBS Letters</i> , 1993, 336, 347-351. | 2.8 | 45 |
| 28 | Flow cytometry and plant protoplast cell biology. <i>Physiologia Plantarum</i> , 1992, 85, 374-386. | 5.2 | 44 |
| 29 | Antioxidative Theranostic Iron Oxide Nanoparticles toward Brain Tumors Imaging and ROS Production. <i>ACS Chemical Biology</i> , 2016, 11, 2812-2819. | 3.4 | 40 |
| 30 | Over-expression of Bcl-2 does not protect cells from hypericin photo-induced mitochondrial membrane depolarization, but delays subsequent events in the apoptotic pathway. <i>FEBS Letters</i> , 1999, 462, 295-301. | 2.8 | 39 |
| 31 | Highlighting Curcumin-Induced Crosstalk between Autophagy and Apoptosis as Supported by Its Specific Subcellular Localization. <i>Cells</i> , 2020, 9, 361. | 4.1 | 38 |
| 32 | Lethal toxin from <i>Clostridium sordellii</i> induces apoptotic cell death by disruption of mitochondrial homeostasis in HL-60 cells. <i>Cellular Microbiology</i> , 2003, 5, 761-771. | 2.1 | 37 |
| 33 | Power and limits of laser scanning confocal microscopy. <i>Biology of the Cell</i> , 1994, 80, 229-240. | 2.0 | 35 |
| 34 | Mechanistic Issues of the Interaction of the Hairpin-Forming Domain of tBid with Mitochondrial Cardiolipin. <i>PLoS ONE</i> , 2010, 5, e9342. | 2.5 | 35 |
| 35 | Liver X Receptor exerts a protective effect against the oxidative stress in the peripheral nerve. <i>Scientific Reports</i> , 2018, 8, 2524. | 3.3 | 32 |
| 36 | Inhibition of multicellular development switches cell death of <i>Dictyostelium discoideum</i> towards mammalian-like unicellular apoptosis. <i>European Journal of Cell Biology</i> , 2001, 80, 428-441. | 3.6 | 31 |

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|----|---|-----|-----------|
| 37 | Discrimination of respiratory dysfunction in yeast mutants by confocal microscopy, image, and flow cytometry. , 1996, 23, 28-38. | | 28 |
| 38 | Endogenous protein phosphorylation in purified plant mitochondria. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1990, 1052, 195-203. | 4.1 | 27 |
| 39 | PHYTOLECTINS FROM THE NITROGEN-FIXING LICHEN PELTIGERA HORIZONTALIS: THE BINDING PATTERN OF PRIMARY PROTEIN EXTRACT. <i>New Phytologist</i> , 1982, 91, 705-710. | 7.3 | 25 |
| 40 | COUP-TFII Controls Mouse Pancreatic β -Cell Mass through GLP-1- β -Catenin Signaling Pathways. <i>PLoS ONE</i> , 2012, 7, e30847. | 2.5 | 25 |
| 41 | Caspase-8 Binding to Cardiolipin in Giant Unilamellar Vesicles Provides a Functional Docking Platform for Bid. <i>PLoS ONE</i> , 2013, 8, e55250. | 2.5 | 24 |
| 42 | Interaction of the alpha-helical H6 peptide from the pro-apoptotic protein tBid with cardiolipin. <i>FEBS Journal</i> , 2009, 276, 6338-6354. | 4.7 | 22 |
| 43 | Paraquat Induces Peripheral Myelin Disruption and Locomotor Defects: Crosstalk with LXR and Wnt Pathways. <i>Antioxidants and Redox Signaling</i> , 2017, 27, 168-183. | 5.4 | 22 |
| 44 | PURIFIED PHYTOLECTIN FROM THE LICHEN PELTIGERACANINA VAR CANINA WHICH BINDS TO THE PHYCOBIONT CELL WALLS AND ITS USE AS CYTOCHEMICAL MARKER IN SITU. <i>New Phytologist</i> , 1983, 94, 103-110. | 7.3 | 21 |
| 45 | Mitochondrial dysfunction in yeast expressing the cytoplasmic male sterility T-urf13 gene from maize: analysis at the population and individual cell level. <i>Molecular Genetics and Genomics</i> , 1993, 236-236, 299-308. | 2.4 | 21 |
| 46 | Some properties of mitochondria, mitoplasts and submitochondrial particles of different polarities from plant tissues. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1987, 890, 377-386. | 1.0 | 20 |
| 47 | Cross-Talk between Oxysterols and Glucocorticoids: Differential Regulation of Secreted Phospholipase A2 and Impact on Oligodendrocyte Death. <i>PLoS ONE</i> , 2009, 4, e8080. | 2.5 | 18 |
| 48 | Flow Cytometry of Spinach Chloroplasts. <i>Plant Physiology</i> , 1992, 100, 1092-1102. | 4.8 | 16 |
| 49 | Induction of mitochondrial dysfunction and apoptosis in HeLa cells by bis-pyridinium oximes, a newly synthesized family of lipophilic biscations. <i>Biochemical Pharmacology</i> , 1997, 53, 1543-1552. | 4.4 | 16 |
| 50 | Synergistic cellular effects including mitochondrial destabilization, autophagy and apoptosis following low-level exposure to a mixture of lipophilic persistent organic pollutants. <i>Scientific Reports</i> , 2017, 7, 4728. | 3.3 | 16 |
| 51 | Modulation of endogenous protein phosphorylation in plant mitochondria by respiratory substrates. <i>Physiologia Plantarum</i> , 1990, 80, 493-499. | 5.2 | 14 |
| 52 | Non-toxic fluorescent phosphonium probes to detect mitochondrial potential. <i>Methods and Applications in Fluorescence</i> , 2017, 5, 015007. | 2.3 | 14 |
| 53 | Optimization of pegylated iron oxide nanoplatfoms for antibody coupling and bio-targeting. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2896-2907. | 5.8 | 14 |
| 54 | Tafazzin Mutation Affecting Cardiolipin Leads to Increased Mitochondrial Superoxide Anions and Mitophagy Inhibition in Barth Syndrome. <i>Cells</i> , 2020, 9, 2333. | 4.1 | 13 |

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|----|---|------|-----------|
| 55 | Decreasing cytosolic translation is beneficial to yeast and human Tafazzin-deficient cells. <i>Microbial Cell</i> , 2018, 5, 220-232. | 3.2 | 13 |
| 56 | Mitochondria from the Mesophyll Cells of <i>Zea mays</i> Leaves. <i>Journal of Plant Physiology</i> , 1984, 116, 351-364. | 3.5 | 10 |
| 57 | The iron component of particulate matter is antiapoptotic: A clue to the development of lung cancer after exposure to atmospheric pollutants?. <i>Biochimie</i> , 2015, 118, 195-206. | 2.6 | 10 |
| 58 | Power and limits of laser scanning confocal microscopy. <i>Biology of the Cell</i> , 1994, 80, 229-240. | 2.0 | 10 |
| 59 | Mitochondrial Regulation of Apoptosis. , 1998, , 147-165. | | 5 |
| 60 | Properties of submitochondrial particles from plant mitochondria: generation, surface characteristics and NAD(P)H oxidation. <i>Plant Science</i> , 1991, 78, 177-183. | 3.6 | 4 |
| 61 | [41] Purification and characterization of plant mitochondria and submitochondrial particles. <i>Methods in Enzymology</i> , 1994, 228, 424-431. | 1.0 | 3 |
| 62 | Another genotoxic agent released by mitochondrial meltdown. <i>Cell Death and Differentiation</i> , 2001, 8, 1134-1135. | 11.2 | 3 |
| 63 | Flow cytometry and plant protoplast cell biology. <i>Physiologia Plantarum</i> , 1992, 85, 374-386. | 5.2 | 2 |
| 64 | Mitochondrial Implication in Cell Death. , 2002, , 215-246. | | 2 |
| 65 | Modulation of endogenous protein phosphorylation in plant mitochondria by respiratory substrates. <i>Physiologia Plantarum</i> , 1990, 80, 493-499. | 5.2 | 1 |