

Anna Maria Porcelli

List of Publications by Year in descending order

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71
papers

3,657
citations

147801
31
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133252
59
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72
all docs

72
docs citations

72
times ranked

5872
citing authors

#	ARTICLE	IF	CITATIONS
1	Respiratory Complex I dysfunction in cancer: from a maze of cellular adaptive responses to potential therapeutic strategies. FEBS Journal, 2022, 289, 8003-8019.	4.7	6
2	Inducing respiratory complex I impairment elicits an increase in PGC1 β in ovarian cancer. Scientific Reports, 2022, 12, 8020.	3.3	2
3	NDUFS3 depletion permits complex I maturation and reveals TMEM126A/OPA7 as an assembly factor binding the ND4-module intermediate. Cell Reports, 2021, 35, 109002.	6.4	13
4	Electrochemotherapy in Vulvar Cancer and Cisplatin Combined with Electroporation. Systematic Review and In Vitro Studies. Cancers, 2021, 13, 1993.	3.7	8
5	Pathogenic Mitochondrial DNA Mutation Load Inversely Correlates with Malignant Features in Familial Oncocytic Parathyroid Tumors Associated with Hyperparathyroidism-Jaw Tumor Syndrome. Cells, 2021, 10, 2920.	4.1	1
6	The Neglected Liaison: Targeting Cancer Cell Metabolic Reprogramming Modifies the Composition of Non-Malignant Populations of the Tumor Microenvironment. Cancers, 2021, 13, 5447.	3.7	3
7	The multifaceted effects of metformin on tumor microenvironment. Seminars in Cell and Developmental Biology, 2020, 98, 90-97.	5.0	57
8	The multifaceted contribution of α -ketoglutarate to tumor progression: An opportunity to exploit?. Seminars in Cell and Developmental Biology, 2020, 98, 26-33.	5.0	50
9	mtDNA mutations in cancer. , 2020, , 443-480.		0
10	Plasma-activated Ringer's Lactate Solution Displays a Selective Cytotoxic Effect on Ovarian Cancer Cells. Cancers, 2020, 12, 476.	3.7	36
11	Lithium and Not Acetoacetate Influences the Growth of Cells Treated with Lithium Acetoacetate. International Journal of Molecular Sciences, 2019, 20, 3104.	4.1	10
12	Dansyl acetyl trehalose: a novel tool to investigate the cellular fate of trehalose. RSC Advances, 2019, 9, 15350-15356.	3.6	2
13	Potential Prognostic Role of 18F-FDG PET/CT in Invasive Epithelial Ovarian Cancer Relapse. A Preliminary Study. Cancers, 2019, 11, 713.	3.7	10
14	Inducing cancer indolence by targeting mitochondrial Complex I is potentiated by blocking macrophage-mediated adaptive responses. Nature Communications, 2019, 10, 903.	12.8	54
15	A Nonsense Mitochondrial DNA Mutation Associates with Dysfunction of HIF1 α in a Von Hippel-Lindau Renal Oncocytoma. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-5.	4.0	6
16	A Humanized Bone Niche Model Reveals Bone Tissue Preservation Upon Targeting Mitochondrial Complex I in Pseudo-Orthotopic Osteosarcoma. Journal of Clinical Medicine, 2019, 8, 2184.	2.4	8
17	Mice harbouring a SCA28 patient mutation in AFG3L2 develop late-onset ataxia associated with enhanced mitochondrial proteotoxicity. Neurobiology of Disease, 2019, 124, 14-28.	4.4	23
18	Mutant MYO1F alters the mitochondrial network and induces tumor proliferation in thyroid cancer. International Journal of Cancer, 2018, 143, 1706-1719.	5.1	35

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19	Mild phenotypes and proper supercomplex assembly in human cells carrying the homoplasmic m.15557G>A mutation in cytochrome <i>b</i> gene. Human Mutation, 2018, 39, 92-102.	2.5	5
20	Unravelling the Effects of the Mutation m.3571insC/MT-ND1 on Respiratory Complexes Structural Organization. International Journal of Molecular Sciences, 2018, 19, 764.	4.1	13
21	The Oncojanus Paradigm of Respiratory Complex I. Genes, 2018, 9, 243.	2.4	22
22	Potential for Mitochondrial DNA Sequencing in the Differential Diagnosis of Gynaecological Malignancies. International Journal of Molecular Sciences, 2018, 19, 2048.	4.1	15
23	Peculiar combinations of individually non-pathogenic missense mitochondrial DNA variants cause low penetrance Leber's hereditary optic neuropathy. PLoS Genetics, 2018, 14, e1007210.	3.5	47
24	Mitochondrial metabolism and energy sensing in tumor progression. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 582-590.	1.0	67
25	Mitochondrial DNA sequencing demonstrates clonality of peritoneal implants of borderline ovarian tumors. Molecular Cancer, 2017, 16, 47.	19.2	11
26	The α -ketoglutarate dehydrogenase complex in cancer metabolic plasticity. Cancer & Metabolism, 2017, 5, 3.	5.0	78
27	Platinum-induced mitochondrial DNA mutations confer lower sensitivity to paclitaxel by impairing tubulin cytoskeletal organization. Human Molecular Genetics, 2017, 26, 2961-2974.	2.9	20
28	Molecular and metabolic features of oncocytomas: Seeking the blueprints of indolent cancers. Biochimica Et Biophysica Acta - Bioenergetics, 2017, 1858, 591-601.	1.0	17
29	Non-Canonical Mechanisms Regulating Hypoxia-Inducible Factor 1 Alpha in Cancer. Frontiers in Oncology, 2017, 7, 286.	2.8	167
30	A unique combination of rare mitochondrial ribosomal RNA variants affects the kinetics of complex I assembly. International Journal of Biochemistry and Cell Biology, 2016, 75, 117-122.	2.8	2
31	Defective ciliogenesis in thyroid h¼rtle cell tumors is associated with increased autophagy. Oncotarget, 2016, 7, 79117-79130.	1.8	37
32	A comprehensive characterization of mitochondrial DNA mutations in glioblastoma multiforme. International Journal of Biochemistry and Cell Biology, 2015, 63, 46-54.	2.8	22
33	Targeting respiratory complex I to prevent the Warburg effect. International Journal of Biochemistry and Cell Biology, 2015, 63, 41-45.	2.8	28
34	Syndromic parkinsonism and dementia associated with <sc><i>OPA</i></sc><i>1</i> missense mutations. Annals of Neurology, 2015, 78, 21-38.	5.3	154
35	Dysregulation of Parkin-mediated mitophagy in thyroid h¼rtle cell tumors. Carcinogenesis, 2015, 36, 1407-1418.	2.8	25
36	High-resolution genomic profiling of thyroid lesions uncovers preferential copy number gains affecting mitochondrial biogenesis loci in the oncocytic variants. American Journal of Cancer Research, 2015, 5, 1954-71.	1.4	6

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37	Different mtDNA mutations modify tumor progression in dependence of the degree of respiratory complex I impairment. <i>Human Molecular Genetics</i> , 2014, 23, 1453-1466.	2.9	96
38	Evidence of association of human papillomavirus with prognosis worsening in glioblastoma multiforme. <i>Neuro-Oncology</i> , 2014, 16, 298-302.	1.2	34
39	Analysis of the mitochondrial proteome of cybrid cells harbouring a truncative mitochondrial DNA mutation in respiratory complex I. <i>Molecular BioSystems</i> , 2014, 10, 1313.	2.9	8
40	Genome-wide expression profiling and functional characterization of SCA28 lymphoblastoid cell lines reveal impairment in cell growth and activation of apoptotic pathways. <i>BMC Medical Genomics</i> , 2013, 6, 22.	1.5	14
41	Respiratory complex I is essential to induce a Warburg profile in mitochondria-defective tumor cells. <i>Cancer & Metabolism</i> , 2013, 1, 11.	5.0	75
42	Cybrid studies establish the causal link between the mtDNA m.3890G>A/MT-ND1 mutation and optic atrophy with bilateral brainstem lesions. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 445-452.	3.8	17
43	The cytochrome b p.278Y>C mutation causative of a multisystem disorder enhances superoxide production and alters supramolecular interactions of respiratory chain complexes. <i>Human Molecular Genetics</i> , 2013, 22, 2141-2151.	2.9	46
44	A platform independent RNA-Seq protocol for the detection of transcriptome complexity. <i>BMC Genomics</i> , 2013, 14, 855.	2.8	7
45	Relevance of Mitochondrial Genetics and Metabolism in Cancer Development. <i>Cold Spring Harbor Perspectives in Biology</i> , 2013, 5, a011411-a011411.	5.5	88
46	Complex I impairment in mitochondrial diseases and cancer: Parallel roads leading to different outcomes. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 47-63.	2.8	59
47	Deep sequencing unearths Nuclear mitochondrial Sequences under Leber's hereditary optic neuropathy-associated false heteroplasmic mitochondrial DNA variants. <i>Human Molecular Genetics</i> , 2012, 21, 3753-3764.	2.9	15
48	Learning from oncocyctic tumors: Why choose inefficient mitochondria?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 633-642.	1.0	102
49	A Mutation Threshold Distinguishes the Antitumorigenic Effects of the Mitochondrial Gene <i>MTND1</i> , an <i>Oncojanus</i> Function. <i>Cancer Research</i> , 2011, 71, 6220-6229.	0.9	90
50	The microbial community dwelling on a biodeteriorated 16th century painting. <i>International Biodeterioration and Biodegradation</i> , 2010, 64, 727-733.	3.9	64
51	The genetic and metabolic signature of oncocyctic transformation implicates HIF1 α destabilization. <i>Human Molecular Genetics</i> , 2010, 19, 1019-1032.	2.9	113
52	The Background of Mitochondrial DNA Haplogroup J Increases the Sensitivity of Leber's Hereditary Optic Neuropathy Cells to 2,5-Hexanedione Toxicity. <i>PLoS ONE</i> , 2009, 4, e7922.	2.5	76
53	Respiratory Complex I Dysfunction Due to Mitochondrial DNA Mutations Shifts the Voltage Threshold for Opening of the Permeability Transition Pore toward Resting Levels. <i>Journal of Biological Chemistry</i> , 2009, 284, 2045-2052.	3.4	91
54	An inherited mitochondrial DNA disruptive mutation shifts to homoplasmy in oncocyctic tumor cells. <i>Human Mutation</i> , 2009, 30, 391-396.	2.5	55

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55	The antioxidant function of Bcl-2 preserves cytoskeletal stability of cells with defective respiratory complex I. Cellular and Molecular Life Sciences, 2008, 65, 2943-2951.	5.4	13
56	Protection against Oxidant-Induced Apoptosis by Exogenous Glutathione in Leber Hereditary Optic Neuropathy Cybrids. , 2008, 49, 671.		41
57	OPA1 mutations associated with dominant optic atrophy impair oxidative phosphorylation and mitochondrial fusion. Brain, 2008, 131, 352-367.	7.6	285
58	Disruptive mitochondrial DNA mutations in complex I subunits are markers of oncocytic phenotype in thyroid tumors. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9001-9006.	7.1	256
59	Defective Oxidative Phosphorylation in Thyroid Oncocytic Carcinoma Is Associated with Pathogenic Mitochondrial DNA Mutations Affecting Complexes I and III. Cancer Research, 2006, 66, 6087-6096.	0.9	204
60	Caspase-independent death of Leber's hereditary optic neuropathy cybrids is driven by energetic failure and mediated by AIF and Endonuclease G. Apoptosis: an International Journal on Programmed Cell Death, 2005, 10, 997-1007.	4.9	113
61	pH difference across the outer mitochondrial membrane measured with a green fluorescent protein mutant. Biochemical and Biophysical Research Communications, 2005, 326, 799-804.	2.1	259
62	Apoptosis induced by staurosporine in ECV304 cells requires cell shrinkage and upregulation of Cl ⁻ conductance. Cell Death and Differentiation, 2004, 11, 655-662.	11.2	47
63	Apoptotic Cell Death of Cybrid Cells Bearing Leber's Hereditary Optic Neuropathy Mutations Is Caspase Independent. Annals of the New York Academy of Sciences, 2003, 1010, 213-217.	3.8	41
64	Staurosporine Induces Apoptotic Volume Decrease (AVD) in ECV304 Cells. Annals of the New York Academy of Sciences, 2003, 1010, 342-346.	3.8	11
65	Leber's Hereditary Optic Neuropathy (LHON) Pathogenic Mutations Induce Mitochondrial-dependent Apoptotic Death in Transmitted Mitochondrial Cells Incubated with Galactose Medium. Journal of Biological Chemistry, 2003, 278, 4145-4150.	3.4	169
66	7-Ketocholesterol and staurosporine induce opposite changes in intracellular pH, associated with distinct types of cell death in ECV304 cells. Archives of Biochemistry and Biophysics, 2002, 402, 208-217.	3.0	28
67	Intracellular pH regulation in U-2 OS human osteosarcoma cells transfected with P-glycoprotein. Biochimica Et Biophysica Acta - Molecular Cell Research, 2002, 1542, 125-138.	4.1	7
68	Phospholipase D stimulation is required for sphingosine-1-phosphate activation of actin stress fibre assembly in human airway epithelial cells. Cellular Signalling, 2002, 14, 75-81.	3.6	41
69	The phorbol ester PMA and cyclic AMP activate different Cl ⁻ and HCO ₃ ⁻ fluxes in C127 cells expressing CFTR. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2001, 1535, 120-127.	3.8	3
70	Sphingosylphosphorylcholine and sphingosine-1-phosphate mobilize cytosolic calcium through different mechanisms in human airway epithelial cells. Cell Calcium, 1998, 23, 387-394.	2.4	15
71	Role of CFTR and anion exchanger in bicarbonate fluxes in C127 cell lines. FEBS Letters, 1998, 440, 268-272.	2.8	12