

Anna Maria Porcelli

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

3,657
citations

147726

31
h-index

133188

59
g-index

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. <i>FEBS Journal</i> , 2022, 289, 8003-8019.	2.2	6
2	Inducing respiratory complex I impairment elicits an increase in PGC1 β in ovarian cancer. <i>Scientific Reports</i> , 2022, 12, 8020.	1.6	2
3	NDUFS3 depletion permits complex I maturation and reveals TMEM126A/OPA7 as an assembly factor binding the ND4-module intermediate. <i>Cell Reports</i> , 2021, 35, 109002.	2.9	13
4	Electrochemotherapy in Vulvar Cancer and Cisplatin Combined with Electroporation. <i>Systematic Review and In Vitro Studies. Cancers</i> , 2021, 13, 1993.	1.7	8
5	Pathogenic Mitochondrial DNA Mutation Load Inversely Correlates with Malignant Features in Familial Oncocytic Parathyroid Tumors Associated with Hyperparathyroidism-Jaw Tumor Syndrome. <i>Cells</i> , 2021, 10, 2920.	1.8	1
6	The Neglected Liaison: Targeting Cancer Cell Metabolic Reprogramming Modifies the Composition of Non-Malignant Populations of the Tumor Microenvironment. <i>Cancers</i> , 2021, 13, 5447.	1.7	3
7	The multifaceted effects of metformin on tumor microenvironment. <i>Seminars in Cell and Developmental Biology</i> , 2020, 98, 90-97.	2.3	57
8	The multifaceted contribution of α -ketoglutarate to tumor progression: An opportunity to exploit?. <i>Seminars in Cell and Developmental Biology</i> , 2020, 98, 26-33.	2.3	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. <i>Cancers</i> , 2020, 12, 476.	1.7	36
11	Lithium and Not Acetoacetate Influences the Growth of Cells Treated with Lithium Acetoacetate. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3104.	1.8	10
12	Dansyl acetyl trehalose: a novel tool to investigate the cellular fate of trehalose. <i>RSC Advances</i> , 2019, 9, 15350-15356.	1.7	2
13	Potential Prognostic Role of 18F-FDG PET/CT in Invasive Epithelial Ovarian Cancer Relapse. A Preliminary Study. <i>Cancers</i> , 2019, 11, 713.	1.7	10
14	Inducing cancer indolence by targeting mitochondrial Complex I is potentiated by blocking macrophage-mediated adaptive responses. <i>Nature Communications</i> , 2019, 10, 903.	5.8	54
15	A Nonsense Mitochondrial DNA Mutation Associates with Dysfunction of HIF1 β in a Von Hippel-Lindau Renal Oncocytoma. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-5.	1.9	6
16	A Humanized Bone Niche Model Reveals Bone Tissue Preservation Upon Targeting Mitochondrial Complex I in Pseudo-Orthotopic Osteosarcoma. <i>Journal of Clinical Medicine</i> , 2019, 8, 2184.	1.0	8
17	Mice harbouring a SCA28 patient mutation in AFG3L2 develop late-onset ataxia associated with enhanced mitochondrial proteotoxicity. <i>Neurobiology of Disease</i> , 2019, 124, 14-28.	2.1	23
18	Mutant MYO1F alters the mitochondrial network and induces tumor proliferation in thyroid cancer. <i>International Journal of Cancer</i> , 2018, 143, 1706-1719.	2.3	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. <i>Human Mutation</i> , 2018, 39, 92-102.	1.1	5
20	Unravelling the Effects of the Mutation m.3571insC/MT-ND1 on Respiratory Complexes Structural Organization. <i>International Journal of Molecular Sciences</i> , 2018, 19, 764.	1.8	13
21	The Oncojanus Paradigm of Respiratory Complex I. <i>Genes</i> , 2018, 9, 243.	1.0	22
22	Potential for Mitochondrial DNA Sequencing in the Differential Diagnosis of Gynaecological Malignancies. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2048.	1.8	15
23	Peculiar combinations of individually non-pathogenic missense mitochondrial DNA variants cause low penetrance Leber's hereditary optic neuropathy. <i>PLoS Genetics</i> , 2018, 14, e1007210.	1.5	47
24	Mitochondrial metabolism and energy sensing in tumor progression. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 582-590.	0.5	67
25	Mitochondrial DNA sequencing demonstrates clonality of peritoneal implants of borderline ovarian tumors. <i>Molecular Cancer</i> , 2017, 16, 47.	7.9	11
26	The α -ketoglutarate dehydrogenase complex in cancer metabolic plasticity. <i>Cancer & Metabolism</i> , 2017, 5, 3.	2.4	78
27	Platinum-induced mitochondrial DNA mutations confer lower sensitivity to paclitaxel by impairing tubulin cytoskeletal organization. <i>Human Molecular Genetics</i> , 2017, 26, 2961-2974.	1.4	20
28	Molecular and metabolic features of oncocytomas: Seeking the blueprints of indolent cancers. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 591-601.	0.5	17
29	Non-Canonical Mechanisms Regulating Hypoxia-Inducible Factor 1 Alpha in Cancer. <i>Frontiers in Oncology</i> , 2017, 7, 286.	1.3	167
30	A unique combination of rare mitochondrial ribosomal RNA variants affects the kinetics of complex I assembly. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 75, 117-122.	1.2	2
31	Defective ciliogenesis in thyroid $\text{H}\frac{1}{4}$ rtle cell tumors is associated with increased autophagy. <i>Oncotarget</i> , 2016, 7, 79117-79130.	0.8	37
32	A comprehensive characterization of mitochondrial DNA mutations in glioblastoma multiforme. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 63, 46-54.	1.2	22
33	Targeting respiratory complex I to prevent the Warburg effect. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 63, 41-45.	1.2	28
34	Syndromic parkinsonism and dementia associated with <i>OPA1</i> missense mutations. <i>Annals of Neurology</i> , 2015, 78, 21-38.	2.8	154
35	Dysregulation of Parkin-mediated mitophagy in thyroid $\text{H}\frac{1}{4}$ rtle cell tumors. <i>Carcinogenesis</i> , 2015, 36, 1407-1418.	1.3	25
36	High-resolution genomic profiling of thyroid lesions uncovers preferential copy number gains affecting mitochondrial biogenesis loci in the oncocytic variants. <i>American Journal of Cancer Research</i> , 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.	1.4	96
38	Evidence of association of human papillomavirus with prognosis worsening in glioblastoma multiforme. <i>Neuro-Oncology</i> , 2014, 16, 298-302.	0.6	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.	0.7	14
41	Respiratory complex I is essential to induce a Warburg profile in mitochondria-defective tumor cells. <i>Cancer & Metabolism</i> , 2013, 1, 11.	2.4	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.	1.8	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.	1.4	46
44	A platform independent RNA-Seq protocol for the detection of transcriptome complexity. <i>BMC Genomics</i> , 2013, 14, 855.	1.2	7
45	Relevance of Mitochondrial Genetics and Metabolism in Cancer Development. <i>Cold Spring Harbor Perspectives in Biology</i> , 2013, 5, a011411-a011411.	2.3	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.	1.2	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.	1.4	15
48	Learning from oncocyctic tumors: Why choose inefficient mitochondria?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 633-642.	0.5	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.	0.4	90
50	The microbial community dwelling on a biodeteriorated 16th century painting. <i>International Biodeterioration and Biodegradation</i> , 2010, 64, 727-733.	1.9	64
51	The genetic and metabolic signature of oncocyctic transformation implicates HIF1 α destabilization. <i>Human Molecular Genetics</i> , 2010, 19, 1019-1032.	1.4	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.	1.1	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.	1.6	91
54	An inherited mitochondrial DNA disruptive mutation shifts to homoplasmy in oncocyctic tumor cells. <i>Human Mutation</i> , 2009, 30, 391-396.	1.1	55

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55	The antioxidant function of Bcl-2 preserves cytoskeletal stability of cells with defective respiratory complex I. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 2943-2951.	2.4	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. <i>Brain</i> , 2008, 131, 352-367.	3.7	285
58	Disruptive mitochondrial DNA mutations in complex I subunits are markers of oncocytic phenotype in thyroid tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9001-9006.	3.3	256
59	Defective Oxidative Phosphorylation in Thyroid Oncocytic Carcinoma Is Associated with Pathogenic Mitochondrial DNA Mutations Affecting Complexes I and III. <i>Cancer Research</i> , 2006, 66, 6087-6096.	0.4	204
60	Caspase-independent death of Leber's hereditary optic neuropathy cybrids is driven by energetic failure and mediated by AIF and Endonuclease G. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2005, 10, 997-1007.	2.2	113
61	pH difference across the outer mitochondrial membrane measured with a green fluorescent protein mutant. <i>Biochemical and Biophysical Research Communications</i> , 2005, 326, 799-804.	1.0	259
62	Apoptosis induced by staurosporine in ECV304 cells requires cell shrinkage and upregulation of Cl ⁻ conductance. <i>Cell Death and Differentiation</i> , 2004, 11, 655-662.	5.0	47
63	Apoptotic Cell Death of Cybrid Cells Bearing Leber's Hereditary Optic Neuropathy Mutations Is Caspase Independent. <i>Annals of the New York Academy of Sciences</i> , 2003, 1010, 213-217.	1.8	41
64	Staurosporine Induces Apoptotic Volume Decrease (AVD) in ECV304 Cells. <i>Annals of the New York Academy of Sciences</i> , 2003, 1010, 342-346.	1.8	11
65	Leber's Hereditary Optic Neuropathy (LHON) Pathogenic Mutations Induce Mitochondrial-dependent Apoptotic Death in Transmitochondrial Cells Incubated with Galactose Medium. <i>Journal of Biological Chemistry</i> , 2003, 278, 4145-4150.	1.6	169
66	7-Ketocholesterol and staurosporine induce opposite changes in intracellular pH, associated with distinct types of cell death in ECV304 cells. <i>Archives of Biochemistry and Biophysics</i> , 2002, 402, 208-217.	1.4	28
67	Intracellular pH regulation in U-2 OS human osteosarcoma cells transfected with P-glycoprotein. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2002, 1542, 125-138.	1.9	7
68	Phospholipase D stimulation is required for sphingosine-1-phosphate activation of actin stress fibre assembly in human airway epithelial cells. <i>Cellular Signalling</i> , 2002, 14, 75-81.	1.7	41
69	The phorbol ester PMA and cyclic AMP activate different Cl ⁻ and HCO ₃ ⁻ fluxes in C127 cells expressing CFTR. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2001, 1535, 120-127.	1.8	3
70	Sphingosylphosphorylcholine and sphingosine-1-phosphate mobilize cytosolic calcium through different mechanisms in human airway epithelial cells. <i>Cell Calcium</i> , 1998, 23, 387-394.	1.1	15
71	Role of CFTR and anion exchanger in bicarbonate fluxes in C127 cell lines. <i>FEBS Letters</i> , 1998, 440, 268-272.	1.3	12