

Claire Pecqueur

List of Publications by Year in descending order

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57
papers

4,073
citations

172457

29
h-index

149698

56
g-index

59
all docs

59
docs citations

59
times ranked

5362
citing authors

#	ARTICLE	IF	CITATIONS
1	Disruption of the uncoupling protein-2 gene in mice reveals a role in immunity and reactive oxygen species production. <i>Nature Genetics</i> , 2000, 26, 435-439.	21.4	992
2	Uncoupling Protein 2, in Vivo Distribution, Induction upon Oxidative Stress, and Evidence for Translational Regulation. <i>Journal of Biological Chemistry</i> , 2001, 276, 8705-8712.	3.4	415
3	Association between uncoupling protein polymorphisms (UCP2-UCP3) and energy metabolism/obesity in Pima indians. <i>Human Molecular Genetics</i> , 1998, 7, 1431-1435.	2.9	261
4	Uncoupling proteinâ€2 controls proliferation by promoting fatty acid oxidation and limiting glycolysisâ€derived pyruvate utilization. <i>FASEB Journal</i> , 2008, 22, 9-18.	0.5	181
5	Kupffer Cells Are a Dominant Site of Uncoupling Protein 2 Expression in Rat Liver. <i>Biochemical and Biophysical Research Communications</i> , 1997, 235, 760-764.	2.1	134
6	An uncoupling protein 2 gene variant is associated with a raised body mass index but not Type II diabetes. <i>Diabetologia</i> , 1999, 42, 688-692.	6.3	106
7	In vivo resistance of lipolysis to epinephrine. A new feature of childhood onset obesity.. <i>Journal of Clinical Investigation</i> , 1997, 99, 2568-2573.	8.2	105
8	Parallel derivation of isogenic human primed and naive induced pluripotent stem cells. <i>Nature Communications</i> , 2018, 9, 360.	12.8	104
9	Homologues of the uncoupling protein from brown adipose tissue (UCP1): UCP2, UCP3, BMCP1 and UCP4. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2001, 1504, 107-119.	1.0	100
10	Glioblastoma Stem-Like Cells, Metabolic Strategy to Kill a Challenging Target. <i>Frontiers in Oncology</i> , 2019, 9, 118.	2.8	98
11	Ionizing radiation induces long-term senescence in endothelial cells through mitochondrial respiratory complex II dysfunction and superoxide generation. <i>Free Radical Biology and Medicine</i> , 2017, 108, 750-759.	2.9	88
12	UCP2, a metabolic sensor coupling glucose oxidation to mitochondrial metabolism?. <i>IUBMB Life</i> , 2009, 61, 762-767.	3.4	79
13	Genetic and physiological analysis of the role of uncoupling proteins in human energy homeostasis. <i>Journal of Molecular Medicine</i> , 2001, 79, 48-56.	3.9	77
14	Mitochondrial Retrograde Signaling Mediated by UCP2 Inhibits Cancer Cell Proliferation and Tumorigenesis. <i>Cancer Research</i> , 2014, 74, 3971-3982.	0.9	73
15	Control of glioma cell death and differentiation by PKM2â€Oct4 interaction. <i>Cell Death and Disease</i> , 2014, 5, e1036-e1036.	6.3	71
16	Human Tolerogenic Dendritic Cells Regulate Immune Responses through Lactate Synthesis. <i>Cell Metabolism</i> , 2019, 30, 1075-1090.e8.	16.2	71
17	Mutation screening of the human UCP 2 gene in normoglycemic and NIDDM morbidly obese patients: lack of association between new UCP 2 polymorphisms and obesity in French Caucasians. <i>Diabetes</i> , 1998, 47, 840-842.	0.6	69
18	Efficient Mitochondrial Glutamine Targeting Prevails Over Glioblastoma Metabolic Plasticity. <i>Clinical Cancer Research</i> , 2017, 23, 6292-6304.	7.0	69

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19	Targeting Metabolism to Induce Cell Death in Cancer Cells and Cancer Stem Cells. <i>International Journal of Cell Biology</i> , 2013, 2013, 1-13.	2.5	57
20	Bone Marrow Transplantation Reveals the in Vivo Expression of the Mitochondrial Uncoupling Protein 2 in Immune and Nonimmune Cells during Inflammation. <i>Journal of Biological Chemistry</i> , 2003, 278, 42307-42312.	3.4	56
21	Functional Organization of the Human Uncoupling Protein-2 Gene, and Juxtaposition to the Uncoupling Protein-3 Gene. <i>Biochemical and Biophysical Research Communications</i> , 1999, 255, 40-46.	2.1	55
22	Differentiation-Related Response to DNA Breaks in Human Mesenchymal Stem Cells. <i>Stem Cells</i> , 2013, 31, 800-807.	3.2	54
23	Identification of a transient state during the acquisition of temozolomide resistance in glioblastoma. <i>Cell Death and Disease</i> , 2020, 11, 19.	6.3	53
24	Transcriptional Activation of the Human ucp1 Gene in a Rodent Cell Line. <i>Journal of Biological Chemistry</i> , 2000, 275, 31722-31732.	3.4	52
25	Expression of UCP3 in CHO cells does not cause uncoupling, but controls mitochondrial activity in the presence of glucose. <i>Biochemical Journal</i> , 2006, 393, 431-439.	3.7	48
26	Ontogeny and nutritional manipulation of mitochondrial protein abundance in adipose tissue and the lungs of postnatal sheep. <i>British Journal of Nutrition</i> , 2003, 90, 323-328.	2.3	38
27	Radiation-induced PGE ₂ sustains human glioma cell growth and survival through EGF signaling. <i>Oncotarget</i> , 2015, 6, 6840-6849.	1.8	38
28	Stereotaxic administrations of allogeneic human V α 39V β 2 T cells efficiently control the development of human glioblastoma brain tumors. <i>Oncoimmunology</i> , 2016, 5, e1168554.	4.6	36
29	Mitochondria transfer from tumor-activated stromal cells (TASC) to primary Glioblastoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 139-147.	2.1	36
30	A New Renal Mitochondrial Carrier, KMCP1, Is Up-regulated during Tubular Cell Regeneration and Induction of Antioxidant Enzymes. <i>Journal of Biological Chemistry</i> , 2005, 280, 22036-22043.	3.4	32
31	UCP2 Deficiency Increases Colon Tumorigenesis by Promoting Lipid Synthesis and Depleting NADPH for Antioxidant Defenses. <i>Cell Reports</i> , 2019, 28, 2306-2316.e5.	6.4	32
32	Wild-type isocitrate dehydrogenase under the spotlight in glioblastoma. <i>Oncogene</i> , 2022, 41, 613-621.	5.9	29
33	NKG2D Controls Natural Reactivity of V α 39V β 2 T Lymphocytes against Mesenchymal Glioblastoma Cells. <i>Clinical Cancer Research</i> , 2019, 25, 7218-7228.	7.0	28
34	D-2-Hydroxyglutarate does not mimic all the IDH mutation effects, in particular the reduced etoposide-triggered apoptosis mediated by an alteration in mitochondrial NADH. <i>Cell Death and Disease</i> , 2015, 6, e1704-e1704.	6.3	27
35	Targeting CD8 T-Cell Metabolism in Transplantation. <i>Frontiers in Immunology</i> , 2015, 6, 547.	4.8	26
36	Sphingolipid distribution at mitochondria-associated membranes (MAMs) upon induction of apoptosis. <i>Journal of Lipid Research</i> , 2020, 61, 1025-1037.	4.2	26

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37	Impairing temozolomide resistance driven by glioma stem-like cells with adjuvant immunotherapy targeting O ⁶ -acetyl GD2 ganglioside. <i>International Journal of Cancer</i> , 2020, 146, 424-438.	5.1	25
38	Glutamine uptake and utilization of human mesenchymal glioblastoma in orthotopic mouse model. <i>Cancer & Metabolism</i> , 2020, 8, 9.	5.0	22
39	Prolactin, prolactin receptor and uncoupling proteins during fetal and neonatal development. <i>Proceedings of the Nutrition Society</i> , 2003, 62, 421-427.	1.0	21
40	Influence of genotype on the differential ontogeny of uncoupling protein 2 and 3 in subcutaneous adipose tissue and muscle in neonatal pigs. <i>Journal of Endocrinology</i> , 2004, 183, 121-131.	2.6	21
41	Contributions of studies on uncoupling proteins to research on metabolic diseases. <i>Journal of Internal Medicine</i> , 1999, 245, 637-642.	6.0	20
42	UCP2 induces metabolic reprogramming to inhibit proliferation of cancer cells. <i>Molecular and Cellular Oncology</i> , 2015, 2, e975024.	0.7	20
43	Low-Dose Pesticide Mixture Induces Senescence in Normal Mesenchymal Stem Cells (MSC) and Promotes Tumorigenic Phenotype in Premalignant MSC. <i>Stem Cells</i> , 2017, 35, 800-811.	3.2	20
44	IL-15 Harnesses Pro-inflammatory Function of TEMRA CD8 in Kidney-Transplant Recipients. <i>Frontiers in Immunology</i> , 2017, 8, 778.	4.8	20
45	Seipin deficiency alters brown adipose tissue thermogenesis and insulin sensitivity in a non-cell autonomous mode. <i>Scientific Reports</i> , 2016, 6, 35487.	3.3	17
46	IL-21 Increases the Reactivity of Allogeneic Human V β 9V α 2 T Cells Against Primary Glioblastoma Tumors. <i>Journal of Immunotherapy</i> , 2018, 41, 224-231.	2.4	14
47	Differential effects of leptin administration on the abundance of UCP2 and glucocorticoid action during neonatal development. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005, 289, E1093-E1100.	3.5	12
48	Secretion of Acid Sphingomyelinase and Ceramide by Endothelial Cells Contributes to Radiation-Induced Intestinal Toxicity. <i>Cancer Research</i> , 2020, 80, 2651-2662.	0.9	12
49	Different effects of maternal parity, cold exposure and nutrient restriction in late pregnancy on the abundance of mitochondrial proteins in the kidney, liver and lung of postnatal sheep. <i>Reproduction</i> , 2007, 133, 1241-1252.	2.6	9
50	A new polymorphic site located in the human UCP1 gene controls the in vitro binding of CREB-like factor. <i>International Journal of Obesity</i> , 2002, 26, 735-738.	3.4	8
51	Tissue-specific effects of leptin administration on the abundance of mitochondrial proteins during neonatal development. <i>Journal of Endocrinology</i> , 2005, 187, 81-88.	2.6	5
52	Analysis of Uncoupling Protein 2-Deficient Mice upon Anaesthesia and Sedation Revealed a Role for UCP2 in Locomotion. <i>PLoS ONE</i> , 2012, 7, e41846.	2.5	5
53	The Uncoupling Proteins Family: From Thermogenesis to the Regulation of ROS. <i>Cell and Molecular Response To Stress</i> , 2002, , 257-268.	0.4	2
54	Stereotactic Adoptive Transfer of Cytotoxic Immune Cells in Murine Models of Orthotopic Human Glioblastoma Multiforme Xenografts. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	2

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55	Organisation and Promoter Activity of the Retinoic-acid-induced-heparin-binding (RIHB) Gene. FEBS Journal, 1994, 224, 931-941.	0.2	1
56	Expression and purification of the mitochondrial uncoupling proteins: a comparative study between <i>Escherichia coli</i> and <i>Saccharomyces cerevisiae</i> . Biochemical Society Transactions, 1999, 27, 888-893.	3.4	1
57	UCP2 bioenergetics and metabolism. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 84.	1.0	0