

Celia JimÃ©nez-Cervantes

List of Publications by Year in descending order

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59
papers

2,582
citations

136950

32
h-index

189892

50
g-index

60
all docs

60
docs citations

60
times ranked

2426
citing authors

#	ARTICLE	IF	CITATIONS
1	Melanocortin-1 receptor structure and functional regulation. <i>Pigment Cell & Melanoma Research</i> , 2005, 18, 051103015727002.	3.6	265
2	MC1R, the cAMP pathway, and the response to solar UV: extending the horizon beyond pigmentation. <i>Pigment Cell and Melanoma Research</i> , 2014, 27, 699-720.	3.3	146
3	MC1R Is a Potent Regulator of PTEN after UV Exposure in Melanocytes. <i>Molecular Cell</i> , 2013, 51, 409-422.	9.7	122
4	The 5,6-dihydroxyindole-2-carboxylic acid (DHICA) oxidase activity of human tyrosinase. <i>Biochemical Journal</i> , 2001, 354, 131-139.	3.7	111
5	Mechanisms of melanogenesis inhibition by tumor necrosis factor- α in B16/F10 mouse melanoma cells. <i>FEBS Journal</i> , 1998, 255, 139-146.	0.2	101
6	Signaling from the Human Melanocortin 1 Receptor to ERK1 and ERK2 Mitogen-Activated Protein Kinases Involves Transactivation of cKIT. <i>Molecular Endocrinology</i> , 2011, 25, 138-156.	3.7	91
7	Tyrosinase isoenzymes in mammalian melanocytes. 1. Biochemical characterization of two melanosomal tyrosinases from B16 mouse melanoma. <i>FEBS Journal</i> , 1993, 217, 549-556.	0.2	87
8	MC1R signaling. Intracellular partners and pathophysiological implications. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 2448-2461.	3.8	85
9	The 5,6-dihydroxyindole-2-carboxylic acid (DHICA) oxidase activity of human tyrosinase. <i>Biochemical Journal</i> , 2001, 354, 131.	3.7	84
10	Dimerization of the Human Melanocortin 1 Receptor: Functional Consequences and Dominant-Negative Effects. <i>Journal of Investigative Dermatology</i> , 2006, 126, 172-181.	0.7	80
11	Transforming Growth Factor- β 1 Inhibits Basal Melanogenesis in B16/F10 Mouse Melanoma Cells by Increasing the Rate of Degradation of Tyrosinase and Tyrosinase-related Protein-1. <i>Journal of Biological Chemistry</i> , 1997, 272, 3967-3972.	3.4	70
12	Anti-inflammatory and anti-invasive effects of α -melanocyte-stimulating hormone in human melanoma cells. <i>British Journal of Cancer</i> , 2003, 89, 2004-2015.	6.4	65
13	Agonist-Independent, High Constitutive Activity of the Human Melanocortin 1 Receptor. <i>Pigment Cell & Melanoma Research</i> , 2004, 17, 386-395.	3.6	64
14	Loss-of-function variants of the human melanocortin-1 receptor gene in melanoma cells define structural determinants of receptor function. <i>FEBS Journal</i> , 2002, 269, 6133-6141.	0.2	59
15	Mouse Ornithine Decarboxylase-like Gene Encodes an Antizyme Inhibitor Devoid of Ornithine and Arginine Decarboxylating Activity. <i>Journal of Biological Chemistry</i> , 2006, 281, 30896-30906.	3.4	55
16	Identification and functional analysis of novel variants of the human melanocortin 1 receptor found in melanoma patients. <i>Human Mutation</i> , 2009, 30, 811-822.	2.5	54
17	The mouse silver locus encodes a single transcript truncated by the silver mutation. <i>Mammalian Genome</i> , 1999, 10, 1168-1171.	2.2	53
18	Hamster Zona Pellucida Is Formed by Four Glycoproteins: ZP1, ZP2, ZP3, and ZP4. <i>Journal of Proteome Research</i> , 2009, 8, 926-941.	3.7	53

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19	Molecular mechanism for catalysis by a new zinc-enzyme, dopachrome tautomerase. <i>Biochemical Journal</i> , 1996, 313, 447-453.	3.7	52
20	The Melanogenic System of <i>Xenopus laevis</i> . <i>Archives of Histology and Cytology</i> , 1998, 61, 305-316.	0.2	52
21	Thr40 and Met122 are new partial loss-of-function natural mutations of the human melanocortin 1 receptor. <i>FEBS Letters</i> , 2001, 508, 44-48.	2.8	51
22	Regulation of Human Melanocortin 1 Receptor Signaling and Trafficking by Thr-308 and Ser-316 and Its Alteration in Variant Alleles Associated with Red Hair and Skin Cancer. <i>Journal of Biological Chemistry</i> , 2007, 282, 3241-3251.	3.4	50
23	Melanocortin 1 receptor mutations impact differentially on signalling to the cAMP and the ERK mitogen-activated protein kinase pathways. <i>FEBS Letters</i> , 2009, 583, 3269-3274.	2.8	47
24	Improved Tyrosinase Activity Stains in Polyacrylamide Electrophoresis Gels. <i>Pigment Cell & Melanoma Research</i> , 1993, 6, 394-399.	3.6	46
25	Mahogunin Ring Finger-1 (MGRN1) E3 Ubiquitin Ligase Inhibits Signaling from Melanocortin Receptor by Competition with G1s. <i>Journal of Biological Chemistry</i> , 2009, 284, 31714-31725.	3.4	45
26	Dopachrome Tautomerase Is a Zinc-Containing Enzyme. <i>Biochemical and Biophysical Research Communications</i> , 1994, 204, 1243-1250.	2.1	44
27	Rate Limiting Factors in Melanocortin 1 Receptor Signalling Through the cAMP Pathway. <i>Pigment Cell & Melanoma Research</i> , 2003, 16, 540-547.	3.6	43
28	Aberrant trafficking of human melanocortin 1 receptor variants associated with red hair and skin cancer: Steady-state retention of mutant forms in the proximal golgi. <i>Journal of Cellular Physiology</i> , 2009, 220, 640-654.	4.1	42
29	Role of G Protein-Coupled Receptor Kinases in the Homologous Desensitization of the Human and Mouse Melanocortin 1 Receptors. <i>Molecular Endocrinology</i> , 2005, 19, 1035-1048.	3.7	36
30	New Insights on the Structure of the Mouse Silver Locus and on the Function of the Silver Protein. <i>Pigment Cell & Melanoma Research</i> , 2000, 13, 118-124.	3.6	35
31	The Pro162 Variant is a Loss-of-Function Mutation of the Human Melanocortin 1 Receptor Gene. <i>Journal of Investigative Dermatology</i> , 2001, 117, 156-158.	0.7	35
32	Molecular Interactions within the Melanogenic Complex: Formation of Heterodimers of Tyrosinase and TRP1 from B16 Mouse Melanoma. <i>Biochemical and Biophysical Research Communications</i> , 1998, 253, 761-767.	2.1	33
33	The melanocortin-1 receptor carboxyl terminal pentapeptide is essential for MC1R function and expression on the cell surface. <i>Peptides</i> , 2005, 26, 1848-1857.	2.4	33
34	Mechanism of dimerization of the human melanocortin 1 receptor. <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 211-216.	2.1	32
35	cAMP-independent non-pigmentary actions of variant melanocortin 1 receptor: AKT-mediated activation of protective responses to oxidative DNA damage. <i>Oncogene</i> , 2018, 37, 3631-3646.	5.9	29
36	Differential and competitive regulation of human melanocortin 1 receptor signaling by β^2 -arrestin isoforms. <i>Journal of Cell Science</i> , 2013, 126, 3724-37.	2.0	26

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37	Functional status and relationships of melanocortin 1 receptor signaling to the cAMP and extracellular signal-regulated protein kinases 1 and 2 pathways in human melanoma cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 2244-2252.	2.8	24
38	Effect of detergents and endogenous lipids on the activity and properties of tyrosinase and its related proteins. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1995, 1243, 421-430.	2.4	23
39	Melanin formation in the inner ear is catalyzed by a new tyrosine hydroxylase kinetically and structurally different from tyrosinase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1997, 1336, 59-72.	2.4	16
40	Functional interplay between secreted ligands and receptors in melanoma. <i>Seminars in Cell and Developmental Biology</i> , 2018, 78, 73-84.	5.0	16
41	N-glycosylation of the human melanocortin 1 receptor: occupancy of glycosylation sequons and functional role. <i>Pigment Cell and Melanoma Research</i> , 2011, 24, 479-489.	3.3	15
42	Tyrosinase isoenzymes in mammalian melanocytes. 2. Differential activation by alpha-melanocyte-stimulating hormone. <i>FEBS Journal</i> , 1993, 217, 541-548.	0.2	14
43	Functional Characterization of MC1R-TUBB3 Intergenic Splice Variants of the Human Melanocortin 1 Receptor. <i>PLoS ONE</i> , 2015, 10, e0144757.	2.5	14
44	Regulation of the Murine Silver Locus Product (gp87) by the Hypopigmenting Cytokines TGF- β 21 and TNF- β ±. <i>Pigment Cell & Melanoma Research</i> , 2000, 13, 120-126.	3.6	10
45	Human melanocortin 1 receptor-mediated ubiquitination of nonvisual arrestins. Role of Mahogunin Ring Finger 1 E3 ligase. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 76-94.	4.1	8
46	Biochemical characterization of the melanogenic system in the eye of adult rodents. <i>BBA - Proteins and Proteomics</i> , 1995, 1252, 217-224.	2.1	6
47	Comparison of TRPs From Murine and Human Malignant Melanocytes. <i>Pigment Cell & Melanoma Research</i> , 1997, 10, 229-235.	3.6	6
48	Activation by thyroid stimulating hormone of nerve growth factor-induced gene-B expression in thyrocytes in culture: relation with proliferation and specific gene expression. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1998, 1403, 232-244.	4.1	6
49	Biosynthesis of hamster zona pellucida is restricted to the oocyte. <i>Theriogenology</i> , 2011, 75, 463-472.	2.1	6
50	Functional characterization of a C-terminal splice variant of the human melanocortin 1 receptor. <i>Experimental Dermatology</i> , 2020, 29, 610-615.	2.9	6
51	Mahogunin Ring Finger 1 regulates pigmentation by controlling the pH of melanosomes in melanocytes and melanoma cells. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 1.	5.4	6
52	Preparation of Purified Tyrosinase Devoid of Dopachrome Tautomerase From Mammalian Malignant Melanocytes. <i>Pigment Cell & Melanoma Research</i> , 1993, 6, 158-164.	3.6	5
53	Molecular cloning and biochemical characterization of the skin tyrosinase from <i>Rana esculenta</i> L.. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2009, 152, 234-242.	1.6	4
54	Identification and functional characterization of natural human melanocortin 1 receptor mutant alleles in Pakistani population. <i>Pigment Cell and Melanoma Research</i> , 2015, 28, 730-735.	3.3	4

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55	Induction of nerve growth factor-induced gene-B (NGFI-B) as an early event in the cyclic adenosine monophosphate response of dog thyrocytes in primary culture. <i>Endocrinology</i> , 1996, 137, 4691-4698.	2.8	4
56	Tyrosinase Isoenzymes: Two Melanosomal Tyrosinases With Different Kinetic Properties and Susceptibility to Inhibition by Calcium. <i>Pigment Cell & Melanoma Research</i> , 1994, 7, 291-297.	3.6	3
57	The DHICA Oxidase Activity of the Melanosomal Tyrosinases LEMT and HEMT. <i>Pigment Cell & Melanoma Research</i> , 1994, 7, 298-304.	3.6	3
58	Sticky fingers at work: Palmitoylationâ€dependent MC1R activation. <i>Pigment Cell and Melanoma Research</i> , 2018, 31, 238-240.	3.3	3
59	Mahogunin Ring Finger 1 Is Required for Genomic Stability and Modulates the Malignant Phenotype of Melanoma Cells. <i>Cancers</i> , 2020, 12, 2840.	3.7	3