

Tomás A Santa-Coloma

List of Publications by Year in descending order

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50
papers

1,075
citations

393982

19
h-index

433756

31
g-index

50
all docs

50
docs citations

50
times ranked

1136
citing authors

#	ARTICLE	IF	CITATIONS
1	A synthetic peptide corresponding to human FSH beta-subunit 33-53 binds to FSH receptor, stimulates basal estradiol biosynthesis, and is a partial antagonist of FSH. <i>Biochemistry</i> , 1990, 29, 1194-1200.	1.2	78
2	CFTR activity and mitochondrial function. <i>Redox Biology</i> , 2013, 1, 190-202.	3.9	64
3	Interleukin-1 β regulates CFTR expression in human intestinal T84 cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2000, 1500, 241-248.	1.8	62
4	Specific oligobodies against ERK-2 that recognize both the native and the denatured state of the protein. <i>Journal of Immunological Methods</i> , 2001, 252, 191-197.	0.6	57
5	The chloride anion as a signalling effector. <i>Biological Reviews</i> , 2019, 94, 1839-1856.	4.7	43
6	The Mitochondrial Complex I Activity Is Reduced in Cells with Impaired Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Function. <i>PLoS ONE</i> , 2012, 7, e48059.	1.1	40
7	NF- κ B Activation Is Involved in Regulation of Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) by Interleukin-1 β . <i>Journal of Biological Chemistry</i> , 2001, 276, 15441-15444.	1.6	39
8	The expression of the mitochondrial gene MT-ND4 is downregulated in cystic fibrosis. <i>Biochemical and Biophysical Research Communications</i> , 2007, 356, 805-809.	1.0	39
9	CISD1 codifies a mitochondrial protein upregulated by the CFTR channel. <i>Biochemical and Biophysical Research Communications</i> , 2008, 365, 856-862.	1.0	39
10	Disruption of Interleukin-1 β Autocrine Signaling Rescues Complex I Activity and Improves ROS Levels in Immortalized Epithelial Cells with Impaired Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Function. <i>PLoS ONE</i> , 2014, 9, e99257.	1.1	39
11	Tyrosine Kinase c-Src Constitutes a Bridge between Cystic Fibrosis Transmembrane Regulator Channel Failure and MUC1 Overexpression in Cystic Fibrosis. <i>Journal of Biological Chemistry</i> , 2002, 277, 17239-17247.	1.6	38
12	Anp32e (Cpd1) and related protein phosphatase 2 inhibitors. <i>Cerebellum</i> , 2003, 2, 310-320.	1.4	38
13	The Chloride Anion Acts as a Second Messenger in Mammalian Cells - Modifying the Expression of Specific Genes. <i>Cellular Physiology and Biochemistry</i> , 2016, 38, 49-64.	1.1	35
14	Synthetic Peptides Corresponding to Human Follicle-Stimulating Hormone (hFSH)- β -(1-15) and hFSH- β -(51-65) Induce Uptake of $^{45}\text{Ca}^{++}$ by Liposomes: Evidence for Calcium-Conducting Transmembrane Channel Formation*. <i>Endocrinology</i> , 1991, 128, 2745-2751.	1.4	30
15	N-acetyl cysteine reverts the proinflammatory state induced by cigarette smoke extract in lung Calu-3 cells. <i>Redox Biology</i> , 2018, 16, 294-302.	3.9	27
16	Differential expression of CPD1 during postnatal development in the mouse cerebellum. <i>Brain Research</i> , 2001, 907, 162-174.	1.1	26
17	c-Src and its role in cystic fibrosis. <i>European Journal of Cell Biology</i> , 2016, 95, 401-413.	1.6	24
18	A synthetic peptide encompassing two discontinuous regions of hFSH- β subunit mimics the receptor binding surface of the hormone. <i>Molecular and Cellular Endocrinology</i> , 1991, 78, 197-204.	1.6	21

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19	Intracellular Chloride Concentration Changes Modulate IL-1 β Expression and Secretion in Human Bronchial Epithelial Cultured Cells. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 2131-2140.	1.2	21
20	Epiregulin (EREG) is upregulated through an IL-1 β autocrine loop in Caco-2 epithelial cells with reduced CFTR function. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 2911-2922.	1.2	21
21	Solution structure of a synthetic peptide corresponding to a receptor binding region of FSH (hFSH- β (81-95)). <i>Journal of Molecular Endocrinology</i> , 1992, 9, 115-121.	1.1	20
22	Structure-function relationships of the glycoprotein hormones and their receptors. <i>Trends in Pharmacological Sciences</i> , 1991, 12, 199-203.	4.0	19
23	The size of the mature membrane receptor for follicle-stimulating hormone is larger than that predicted from its cDNA. <i>Journal of Molecular Endocrinology</i> , 1992, 9, 115-121.	1.1	18
24	Extracellular pH and lung infections in cystic fibrosis. <i>European Journal of Cell Biology</i> , 2018, 97, 402-410.	1.6	18
25	CFTR impairment upregulates c-Src activity through IL-1 β autocrine signaling. <i>Archives of Biochemistry and Biophysics</i> , 2017, 616, 1-12.	1.4	16
26	Sulfhydryl groups are involved in the interaction of FSH with its receptor. <i>Biochemical and Biophysical Research Communications</i> , 1991, 176, 1256-1261.	1.0	14
27	CFTR modulates RPS27 gene expression using chloride anion as signaling effector. <i>Archives of Biochemistry and Biophysics</i> , 2017, 633, 103-109.	1.4	14
28	A synthetic peptide corresponding to hFSH- β (81-95) has thioredoxin-like activity. <i>Molecular and Cellular Endocrinology</i> , 1991, 78, 163-170.	1.6	13
29	Correlation of follicle-stimulating hormone (FSH)-receptor complex internalization with the sustained phase of FSH-induced calcium uptake by cultured rat Sertoli cells. <i>Endocrinology</i> , 1992, 131, 2622-2628.	1.4	13
30	The rate of Tau synthesis is differentially regulated during postnatal development in mouse cerebellum. <i>Cellular and Molecular Neurobiology</i> , 2001, 21, 535-543.	1.7	13
31	APC Senses Cell-Cell Contacts and Moves to the Nucleus upon Their Disruption. <i>Biochemical and Biophysical Research Communications</i> , 2001, 284, 982-986.	1.0	12
32	Myosin light chain kinase inhibitors induce retraction of mature oligodendrocyte processes. <i>Neurochemical Research</i> , 2002, 27, 1305-1312.	1.6	12
33	NLR family pyrin domain containing 3 (NLRP3) and caspase 1 (CASP1) modulation by intracellular Cl ⁻ concentration. <i>Immunology</i> , 2021, 163, 493-511.	2.0	12
34	Synthetic human follicle-stimulating hormone-beta-(1-15) peptide-amide binds Ca ²⁺ and possesses sequence similarity to calcium binding sites of calmodulin. <i>Endocrinology</i> , 1992, 130, 1103-1107.	1.4	11
35	Measurement of cystic fibrosis transmembrane conductance regulator activity using fluorescence spectrophotometry. <i>Analytical Biochemistry</i> , 2011, 418, 231-237.	1.1	11
36	Serine analogues of hFSH-beta-(33-53) and hFSH-beta-(81-95) inhibit hFSH binding to receptor. <i>Biochemical and Biophysical Research Communications</i> , 1992, 184, 1273-1279.	1.0	10

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37	Characterization of a sexual steroid binding protein in <i>Bufo arenarum</i> . <i>General and Comparative Endocrinology</i> , 1985, 60, 273-279.	0.8	9
38	Identification and characterization of the chicken transforming growth factor-beta 3 promoter.. <i>Molecular Endocrinology</i> , 1992, 6, 1285-1298.	3.7	9
39	Biosynthesis of bufadienolides in toads. V. the origin of the cholesterol used by toad parotoid glands for biosynthesis of bufadienolides. <i>Steroids</i> , 1984, 44, 11-22.	0.8	8
40	Cyclic biospecific affinity chromatographic method for the purification of the sex steroid binding protein (SBP): Application to the purification of SBP from toad. <i>Biomedical Applications</i> , 1987, 415, 297-304.	1.7	7
41	IL-1 β , IL-2 and IL-4 concentration during porcine gestation. <i>Theriogenology</i> , 2019, 128, 133-139.	0.9	7
42	Transforming growth factor-beta 1 modulates calcium metabolism in Sertoli cells.. <i>Endocrinology</i> , 1993, 132, 1745-1749.	1.4	6
43	Sex steroid binding protein from <i>Bufo arenarum</i> : Further characterization. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1986, 85, 401-405.	0.7	5
44	Improvement on the competitive binding assay for the measurement of cyclic AMP by using ammonium sulphate precipitation. <i>Biochemical Journal</i> , 1987, 245, 923-924.	1.7	5
45	Impairment of CFTR activity in cultured epithelial cells upregulates the expression and activity of LDH resulting in lactic acid hypersecretion. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 1579-1593.	2.4	5
46	Solid-phase assay for determination of binding parameters of ligand-protein complexes with high dissociation rates. <i>Analytical Biochemistry</i> , 1991, 192, 367-371.	1.1	3
47	The use of computers in the teaching of hormone receptor interactions in the presence of two types of binding sites or negative cooperativity. <i>Biochemical Education</i> , 1988, 16, 90-91.	0.1	1
48	Single strand mRNA differential display (SSDD) applied to the identification of serine/threonine phosphatases regulated during cerebellar development. <i>Journal of Neuroscience Methods</i> , 2001, 105, 87-94.	1.3	1
49	Identification and characterization of human PEIG-1/GPRC5A as a 12-O-tetradecanoyl phorbol-13-acetate (TPA) and PKC-induced gene. <i>Archives of Biochemistry and Biophysics</i> , 2020, 687, 108375.	1.4	1
50	Overlapping synthetic peptides as a tool to map protein-protein interactions in FSH as a model system of nonadditive interactions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022, 1866, 130153.	1.1	1