TomÃ¡s A Santa-Coloma

List of Publications by Year
in descending order

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	Overlapping synthetic peptides as a tool to map protein-protein interactions Ì¶ FSH as a model system of nonadditive interactions. Biochimica Et Biophysica Acta - General Subjects, 2022, 1866, 130153.	1.1	1
2	NLR family pyrin domain containing 3 (NLRP3) and caspase 1 (CASP1) modulation by intracellular Cl â€“ concentration. Immunology, 2021, 163, 493-511.	2.0	12
3	Identification and characterization of human PEIG-1/GPRC5A as a 12-O-tetradecanoyl phorbol-13-acetate (TPA) and PKC-induced gene. Archives of Biochemistry and Biophysics, 2020, 687, 108375.	1.4	1
4	The chloride anion as a signalling effector. Biological Reviews, 2019, 94, 1839-1856.	4.7	43
5	IL-1Î², IL-2 and IL-4 concentration during porcine gestation. Theriogenology, 2019, 128, 133-139.	0.9	7
6	Impairment of CFTR activity in cultured epithelial cells upregulates the expression and activity of LDH resulting in lactic acid hypersecretion. Cellular and Molecular Life Sciences, 2019, 76, 1579-1593.	2.4	5
7	N-acetyl cysteine reverts the proinflammatory state induced by cigarette smoke extract in lung Calu-3 cells. Redox Biology, 2018, 16, 294-302.	3.9	27
8	Epiregulin (EREG) is upregulated through an ILâ€1Î² autocrine loop in Cacoâ€2 epithelial cells with reduced CFTR function. Journal of Cellular Biochemistry, 2018, 119, 2911-2922.	1.2	21
9	Extracellular pH and lung infections in cystic fibrosis. European Journal of Cell Biology, 2018, 97, 402-410.	1.6	18
10	CFTR impairment upregulates c-Src activity through IL-1Î² autocrine signaling. Archives of Biochemistry and Biophysics, 2017, 616, 1-12.	1.4	16
11	Intracellular Chloride Concentration Changes Modulate IL-1Î² Expression and Secretion in Human Bronchial Epithelial Cultured Cells. Journal of Cellular Biochemistry, 2017, 118, 2131-2140.	1.2	21
12	CFTR modulates RPS27 gene expression using chloride anion as signaling effector. Archives of Biochemistry and Biophysics, 2017, 633, 103-109.	1.4	14
13	c- Src and its role in cystic fibrosis. European Journal of Cell Biology, 2016, 95, 401-413.	1.6	24
14	The Chloride Anion Acts as a Second Messenger in Mammalian Cells - Modifying the Expression of Specific Genes. Cellular Physiology and Biochemistry, 2016, 38, 49-64.	1.1	35
15	Disruption of Interleukin-1Î² Autocrine Signaling Rescues Complex I Activity and Improves ROS Levels in Immortalized Epithelial Cells with Impaired Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Function. PLoS ONE, 2014, 9, e99257.	1.1	39
16	CFTR activity and mitochondrial function. Redox Biology, 2013, 1, 190-202.	3.9	64
17	The Mitochondrial Complex I Activity Is Reduced in Cells with Impaired Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Function. PLoS ONE, 2012, 7, e48059.	1.1	40
18	Measurement of cystic fibrosis transmembrane conductance regulator activity using fluorescence spectrophotometry. Analytical Biochemistry, 2011, 418, 231-237.	1.1	11

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19	CISD1 codifies a mitochondrial protein upregulated by the CFTR channel. Biochemical and Biophysical Research Communications, 2008, 365, 856-862.	1.0	39
20	The expression of the mitochondrial gene MT-ND4 is downregulated in cystic fibrosis. Biochemical and Biophysical Research Communications, 2007, 356, 805-809.	1.0	39
21	Anp32e (Cpd1) and related protein phosphatase 2 inhibitors. Cerebellum, 2003, 2, 310-320.	1.4	38
22	Tyrosine Kinase c-Src Constitutes a Bridge between Cystic Fibrosis Transmembrane Regulator Channel Failure and MUC1 Overexpression in Cystic Fibrosis. Journal of Biological Chemistry, 2002, 277, 17239-17247.	1.6	38
23	Myosin light chain kinase inhibitors induce retraction of mature oligodendrocyte processes. Neurochemical Research, 2002, 27, 1305-1312.	1.6	12
24	APC Senses Cellâ€“Cell Contacts and Moves to the Nucleus upon Their Disruption. Biochemical and Biophysical Research Communications, 2001, 284, 982-986.	1.0	12
25	Single strand mRNA differential display (SSDD) applied to the identification of serine/threonine phosphatases regulated during cerebellar development. Journal of Neuroscience Methods, 2001, 105, 87-94.	1.3	1
26	The rate of Tau synthesis is differentially regulated during postnatal development in mouse cerebellum. Cellular and Molecular Neurobiology, 2001, 21, 535-543.	1.7	13
27	Differential expression of CPD1 during postnatal development in the mouse cerebellum. Brain Research, 2001, 907, 162-174.	1.1	26
28	Specific oligobodies against ERK-2 that recognize both the native and the denatured state of the protein. Journal of Immunological Methods, 2001, 252, 191-197.	0.6	57
29	NF-Î°B Activation Is Involved in Regulation of Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) by Interleukin-1Î². Journal of Biological Chemistry, 2001, 276, 15441-15444.	1.6	39
30	Interleukin-1Î² regulates CFTR expression in human intestinal T84 cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2000, 1500, 241-248.	1.8	62
31	Transforming growth factor-beta 1 modulates calcium metabolism in Sertoli cells.. Endocrinology, 1993, 132, 1745-1749.	1.4	6
32	Identification and characterization of the chicken transforming growth factor-beta 3 promoter.. Molecular Endocrinology, 1992, 6, 1285-1298.	3.7	9
33	Synthetic human follicle-stimulating hormone-beta-(1-15) peptide-amide binds Ca2+ and possesses sequence similarity to calcium binding sites of calmodulin.. Endocrinology, 1992, 130, 1103-1107.	1.4	11
34	Correlation of follicle-stimulating hormone (FSH)-receptor complex internalization with the sustained phase of FSH-induced calcium uptake by cultured rat Sertoli cells.. Endocrinology, 1992, 131, 2622-2628.	1.4	13
35	The size of the mature membrane receptor for follicle-stimulating hormone is larger than that predicted from its cDNA. Journal of Molecular Endocrinology, 1992, 9, 115-121.	1.1	18
36	Serine analogues of hFSH-beta-(33â€“53) and hFSH-beta-(81â€“95) inhibit hFSH binding to receptor. Biochemical and Biophysical Research Communications, 1992, 184, 1273-1279.	1.0	10

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37	Solution structure of a synthetic peptide corresponding to a receptor binding region of FSH (hFSH-Î²) Tj ETQq1 1 0.784314 rgBT /Ove	1.1	20
38	A synthetic peptide encompassing two discontinuous regions of hFSH-Î² subunit mimics the receptor binding surface of the hormone. Molecular and Cellular Endocrinology, 1991, 78, 197-204.	1.6	21
39	A synthetic peptide corresponding to hFSH-Î²-(81â€“95) has thioredoxin-like activity. Molecular and Cellular Endocrinology, 1991, 78, 163-170.	1.6	13
40	Sulfhydryl groups are involved in the interaction of FSH with its receptor. Biochemical and Biophysical Research Communications, 1991, 176, 1256-1261.	1.0	14
41	Structure-function relationships of the glycoprotein hormones and their receptors. Trends in Pharmacological Sciences, 1991, 12, 199-203.	4.0	19
42	Solid-phase assay for determination of binding parameters of ligand-protein complexes with high dissociation rates. Analytical Biochemistry, 1991, 192, 367-371.	1.1	3
43	Synthetic Peptides Corresponding to Human Follicle- Stimulating Hormone (hFSH)-Î²-(lâ€“15) and hFSH-Î²-(51â€“65) Induce Uptake of⁴⁵Ca⁺⁺by Liposomes: Evidence for Calcium-Conducting Transmembrane Channel Formation*. Endocrinology, 1991, 128, 2745-2751.	1.4	30
44	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. Biochemistry, 1990, 29, 1194-1200.	1.2	78
45	The use of computers in the teaching of hormone receptor interactions in the presence of two types of binding sites or negative cooperativity. Biochemical Education, 1988, 16, 90-91.	0.1	1
46	Improvement on the competitive binding assay for the measurement of cyclic AMP by using ammonium sulphate precipitation. Biochemical Journal, 1987, 245, 923-924.	1.7	5
47	Cyclic biospecific affinity chromatographic method for the purification of the sex steroid binding protein (SBP): Application to the purification of SBP from toad. Biomedical Applications, 1987, 415, 297-304.	1.7	7
48	Sex steroid binding protein from Bufo arenarum: Further characterization. Comparative Biochemistry and Physiology A, Comparative Physiology, 1986, 85, 401-405.	0.7	5
49	Characterization of a sexual steroid binding protein in Bufo arenarum. General and Comparative Endocrinology, 1985, 60, 273-279.	0.8	9
50	Biosynthesis of bufadienolides in toads. V. the origin of the cholesterol used by toad parotoid glands for biosynthesis of bufadienolides. Steroids, 1984, 44, 11-22.	0.8	8