

Mireia Dunach

List of Publications by Year in descending order

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50
papers

3,670
citations

147566

31
h-index

174990

52
g-index

55
all docs

55
docs citations

55
times ranked

4449
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of E-cadherin/Catenin Association by Tyrosine Phosphorylation. <i>Journal of Biological Chemistry</i> , 1999, 274, 36734-36740.	1.6	533
2	Jagged1 is the pathological link between Wnt and Notch pathways in colorectal cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6315-6320.	3.3	338
3	p120 Catenin-Associated Fer and Fyn Tyrosine Kinases Regulate β -Catenin Tyr-142 Phosphorylation and β -Catenin- β -Catenin Interaction. <i>Molecular and Cellular Biology</i> , 2003, 23, 2287-2297.	1.1	304
4	Regulation of β -Catenin Structure and Activity by Tyrosine Phosphorylation. <i>Journal of Biological Chemistry</i> , 2001, 276, 20436-20443.	1.6	227
5	Bcr-Abl stabilizes β -catenin in chronic myeloid leukemia through its tyrosine phosphorylation. <i>EMBO Journal</i> , 2007, 26, 1456-1466.	3.5	204
6	E-cadherin controls β -catenin and NF- κ B transcriptional activity in mesenchymal gene expression. <i>Journal of Cell Science</i> , 2008, 121, 2224-2234.	1.2	132
7	Multivesicular GSK3 Sequestration upon Wnt Signaling Is Controlled by p120-Catenin/Cadherin Interaction with LRP5/6. <i>Molecular Cell</i> , 2014, 53, 444-457.	4.5	122
8	The Transcriptional Factor Tcf-4 Contains Different Binding Sites for β -Catenin and Plakoglobin. <i>Journal of Biological Chemistry</i> , 2002, 277, 1884-1891.	1.6	106
9	RhoA-ROCK and p38MAPK-MSK1 mediate vitamin D effects on gene expression, phenotype, and Wnt pathway in colon cancer cells. <i>Journal of Cell Biology</i> , 2008, 183, 697-710.	2.3	102
10	Tyrosine Phosphorylation of Plakoglobin Causes Contrary Effects on Its Association with Desmosomes and Adherens Junction Components and Modulates β -Catenin-Mediated Transcription. <i>Molecular and Cellular Biology</i> , 2003, 23, 7391-7402.	1.1	98
11	Specific Phosphorylation of p120-Catenin Regulatory Domain Differently Modulates Its Binding to RhoA. <i>Molecular and Cellular Biology</i> , 2007, 27, 1745-1757.	1.1	96
12	A Novel RET Kinase- β -Catenin Signaling Pathway Contributes to Tumorigenesis in Thyroid Carcinoma. <i>Cancer Research</i> , 2008, 68, 1338-1346.	0.4	84
13	Substitution of membrane-embedded aspartic acids in bacteriorhodopsin causes specific changes in different steps of the photochemical cycle. <i>Biochemistry</i> , 1989, 28, 10035-10042.	1.2	81
14	Liposome Solubilization and Membrane Protein Reconstitution Using Chaps and Chapso. <i>FEBS Journal</i> , 1997, 243, 798-804.	0.2	79
15	Coordinated Action of CK1 Isoforms in Canonical Wnt Signaling. <i>Molecular and Cellular Biology</i> , 2011, 31, 2877-2888.	1.1	69
16	ATP Synthesis by the FOF1 ATP Synthase from Thermophilic <i>Bacillus PS3</i> Reconstituted into Liposomes with Bacteriorhodopsin. 2. Relationships Between Proton Motive Force and ATP Synthesis. <i>FEBS Journal</i> , 1996, 235, 779-788.	0.2	67
17	A p120-catenin-CK1 μ complex regulates Wnt signaling. <i>Journal of Cell Science</i> , 2010, 123, 2621-2631.	1.2	67
18	Characterization of the cation binding sites of the purple membrane. Electron spin resonance and flash photolysis studies. <i>Biochemistry</i> , 1987, 26, 1179-1186.	1.2	65

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19	ATP Synthesis by the FOF1 ATP Synthase from Thermophilic Bacillus PS3 Reconstituted into Liposomes with Bacteriorhodopsin. 1. Factors Defining the Optimal Reconstitution of ATP Synthases with Bacteriorhodopsin. FEBS Journal, 1996, 235, 769-778.	0.2	59
20	β -Catenin N- and C-terminal Tails Modulate the Coordinated Binding of Adherens Junction Proteins to β -Catenin. Journal of Biological Chemistry, 2002, 277, 31541-31550.	1.6	58
21	Uv-visible spectroscopy of bacteriorhodopsin mutants: substitution of Arg-82, Asp-85, Tyr-185, and Asp-212 results in abnormal light-dark adaptation.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 9873-9877.	3.3	56
22	The State of Tyrosine and Phenylalanine Residues in Proteins Analyzed by Fourth-Derivative Spectrophotometry. Histone H1 and Ribonuclease A. FEBS Journal, 1982, 127, 117-122.	0.2	50
23	Signalling by neurotrophins and hepatocyte growth factor regulates axon morphogenesis by differential β -catenin phosphorylation. Journal of Cell Science, 2008, 121, 2718-2730.	1.2	49
24	Wnt controls the transcriptional activity of Kaiso through CK1 μ -dependent phosphorylation of p120-catenin. Journal of Cell Science, 2011, 124, 2298-2309.	1.2	49
25	β -Catenin and Plakoglobin N- and C-tails Determine Ligand Specificity. Journal of Biological Chemistry, 2004, 279, 49849-49856.	1.6	47
26	Fourth-Derivative Spectrophotometry Analysis of Tryptophan Environment in Proteins. Application to Melittin, Cytochrome c and Bacteriorhodopsin. FEBS Journal, 1983, 134, 123-128.	0.2	42
27	Secondary Structure Components and Properties of the Melibiose Permease from Escherichia coli: A Fourier Transform Infrared Spectroscopy Analysis. Biophysical Journal, 2000, 79, 747-755.	0.2	39
28	Rac1 activation upon Wnt stimulation requires Rac1 and Vav2 binding to p120-catenin. Journal of Cell Science, 2012, 125, 5288-301.	1.2	35
29	Intracellular Signals Activated by Canonical Wnt Ligands Independent of GSK3 Inhibition and β -Catenin Stabilization. Cells, 2019, 8, 1148.	1.8	35
30	Glutamine-Directed Migration of Cancer-Activated Fibroblasts Facilitates Epithelial Tumor Invasion. Cancer Research, 2021, 81, 438-451.	0.4	35
31	Fourth-derivative spectrophotometry of proteins. Trends in Biochemical Sciences, 1984, 9, 508-510.	3.7	33
32	Induction of the blue form of bacteriorhodopsin by low concentrations of sodium dodecyl sulfate. Biochimica Et Biophysica Acta - Biomembranes, 1984, 769, 1-7.	1.4	31
33	Akt2 interacts with Snail1 in the E-cadherin promoter. Oncogene, 2012, 31, 4022-4033.	2.6	27
34	Effect of Nucleotides on the Thermal Stability and on the Deuteration Kinetics of the Thermophilic FOF1 ATP Synthase. FEBS Journal, 1997, 244, 441-448.	0.2	26
35	Fourier-transform infrared studies on cation binding to native and modified purple membranes. Biochemistry, 1989, 28, 8940-8945.	1.2	23
36	p120-catenin in canonical Wnt signaling. Critical Reviews in Biochemistry and Molecular Biology, 2017, 52, 327-339.	2.3	23

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37	Src and Fyn define a new signaling cascade activated by canonical and non-canonical Wnt ligands and required for gene transcription and cell invasion. Cellular and Molecular Life Sciences, 2020, 77, 919-935.	2.4	22
38	The relationship between the chromophore moiety and the cation binding sites in bacteriorhodopsin. Bioscience Reports, 1986, 6, 961-966.	1.1	20
39	Nucleotide and Mg ²⁺ Dependency of the Thermal Denaturation of Mitochondrial F1-ATPase. Biophysical Journal, 1998, 75, 1980-1988.	0.2	18
40	Functional reconstitution of photosystem I reaction center from cyanobacterium Synechocystis sp PCC6803 into liposomes using a new reconstitution procedure. Journal of Bioenergetics and Biomembranes, 1996, 28, 503-515.	1.0	17
41	Gamma-Secretase-Dependent and -Independent Effects of Presenilin1 on β -Catenin-Tcf-4 Transcriptional Activity. PLoS ONE, 2008, 3, e4080.	1.1	17
42	Experimental and Theoretical Characterization of the High-Affinity Cation-Binding Site of the Purple Membrane. Biophysical Journal, 1998, 75, 777-784.	0.2	16
43	Presenilin-1 Interacts with Plakoglobin and Enhances Plakoglobin-Tcf-4 Association. Journal of Biological Chemistry, 2006, 281, 1401-1411.	1.6	14
44	Activation of CK1 ϵ by PP2A/PR61 ϵ is required for the initiation of Wnt signaling. Oncogene, 2017, 36, 429-438.	2.6	14
45	CK 1 μ and p120 β -catenin control Ror2 function in noncanonical Wnt signaling. Molecular Oncology, 2018, 12, 611-629.	2.1	12
46	Influence of nucleotides on the secondary structure and on the thermal stability of mitochondrial F1 visualized by infrared spectroscopy. FEBS Letters, 1995, 371, 115-118.	1.3	9
47	APC 3 β -15 β -catenin-binding domain potentiates β -catenin association to TBP and upregulates TCF-4 transcriptional activity. Biochemical and Biophysical Research Communications, 2003, 309, 830-835.	1.0	5
48	Structure and activity of membrane receptors: Modeling and computational simulation of ligand recognition in a three-dimensional model of the 5-hydroxytryptamine 1A receptor. Journal of Biomedical Science, 1996, 3, 98-107.	2.6	4
49	Regulation of β -catenin structure and activity by tyrosine phosphorylation.. Journal of Biological Chemistry, 2016, 291, 11463.	1.6	1
50	2-Hydroxy-5-nitrobenzyl bromide as a specific reagent for tryptophan residues in membrane proteins: bacteriorhodopsin as an example. Journal of Proteomics, 1988, 17, 17-23.	2.4	0