

# Neus Agell

## List of Publications by Year in descending order

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92  
papers

4,362  
citations

87888

38  
h-index

110387

64  
g-index

94  
all docs

94  
docs citations

94  
times ranked

5026  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of the Ras/Raf/MEK/ERK pathway by Ca <sup>2+</sup> , and Calmodulin. Cellular Signalling, 2002, 14, 649-654.	3.6	369
2	Calmodulin Binds to K-Ras, but Not to H- or N-Ras, and Modulates Its Downstream Signaling. Molecular and Cellular Biology, 2001, 21, 7345-7354.	2.3	185
3	Disruption of the antiproliferative TGF- $\beta$ signaling pathways in human pancreatic cancer cells. Oncogene, 1998, 17, 1969-1978.	5.9	181
4	TNF Can Directly Induce the Expression of Ubiquitin-Dependent Proteolytic System in Rat Soleus Muscles. Biochemical and Biophysical Research Communications, 1997, 230, 238-241.	2.1	159
5	Calcium and calmodulin function in the cell nucleus. BBA - Biomembranes, 1992, 1113, 259-270.	8.0	150
6	Osmotic Stress Regulates the Stability of Cyclin D1 in a p38SAPK2-dependent Manner. Journal of Biological Chemistry, 2000, 275, 35091-35097.	3.4	131
7	The SET Protein Regulates G2/M Transition by Modulating Cyclin B-Cyclin-dependent Kinase 1 Activity. Journal of Biological Chemistry, 2003, 278, 1158-1164.	3.4	127
8	Tumour necrosis factor- $\alpha$ increases the ubiquitination of rat skeletal muscle proteins. FEBS Letters, 1993, 323, 211-214.	2.8	125
9	Ubiquitin gene expression is increased in skeletal muscle of tumour-bearing rats. FEBS Letters, 1994, 338, 311-318.	2.8	120
10	A clathrin-dependent pathway leads to KRas signaling on late endosomes en route to lysosomes. Journal of Cell Biology, 2009, 184, 863-879.	5.2	115
11	Role of TNF receptor 1 in protein turnover during cancer cachexia using gene knockout mice. Molecular and Cellular Endocrinology, 1998, 142, 183-189.	3.2	104
12	Muscle wasting associated with cancer cachexia is linked to an important activation of the atp-dependent ubiquitin-mediated proteolysis. International Journal of Cancer, 1995, 61, 138-141.	5.1	101
13	Different cytokines modulate ubiquitin gene expression in rat skeletal muscle. Cancer Letters, 1998, 133, 83-87.	7.2	98
14	Fermented Wheat Germ Extract Inhibits Glycolysis/Pentose Cycle Enzymes and Induces Apoptosis through Poly(ADP-ribose) Polymerase Activation in Jurkat T-cell Leukemia Tumor Cells. Journal of Biological Chemistry, 2002, 277, 46408-46414.	3.4	89
15	Calmodulin and calmodulin-binding proteins in the nucleus. Cell Calcium, 1994, 16, 289-296.	2.4	86
16	The Protein SET Regulates the Inhibitory Effect of p21Cip1 on Cyclin E-Cyclin-dependent Kinase 2 Activity. Journal of Biological Chemistry, 1999, 274, 33161-33165.	3.4	78
17	Calmodulin Is Essential for Cyclin-dependent Kinase 4 (Cdk4) Activity and Nuclear Accumulation of Cyclin D1-Cdk4 during G1. Journal of Biological Chemistry, 1998, 273, 33279-33286.	3.4	76
18	Calmodulin Regulates Intracellular Trafficking of Epidermal Growth Factor Receptor and the MAPK Signaling Pathway. Molecular Biology of the Cell, 2002, 13, 2057-2068.	2.1	73

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19	Anti-TNF Treatment Reverts Increased Muscle Ubiquitin Gene Expression in Tumour-Bearing Rats. <i>Biochemical and Biophysical Research Communications</i> , 1996, 221, 653-655.	2.1	69
20	Protein turnover in skeletal muscle of tumour-bearing transgenic mice overexpressing the soluble TNF receptor-1. <i>Cancer Letters</i> , 1998, 130, 19-27.	7.2	69
21	K-Ras4B phosphorylation at Ser181 is inhibited by calmodulin and modulates K-Ras activity and function. <i>Oncogene</i> , 2010, 29, 5911-5922.	5.9	66
22	Identification of Essential Interacting Elements in K-Ras/Calmodulin Binding and Its Role in K-Ras Localization. <i>Journal of Biological Chemistry</i> , 2008, 283, 10621-10631.	3.4	64
23	Activation of Cdk4 and Cdk2 during rat liver regeneration is associated with intranuclear rearrangements of cyclin-Cdk complexes. <i>Hepatology</i> , 1999, 29, 385-395.	7.3	61
24	Branched-chain amino acids inhibit proteolysis in rat skeletal muscle: mechanisms involved. <i>Journal of Cellular Physiology</i> , 2000, 184, 380-384.	4.1	60
25	Glyceraldehyde 3-phosphate dehydrogenase is a SET-binding protein and regulates cyclin B-cdk1 activity. <i>Oncogene</i> , 2006, 25, 4033-4042.	5.9	60
26	Calmodulin Inhibitor W13 Induces Sustained Activation of ERK2 and Expression of p21. <i>Journal of Biological Chemistry</i> , 1998, 273, 22145-22150.	3.4	57
27	Calmodulin Prevents Activation of Ras by PKC in 3T3 Fibroblasts. <i>Journal of Biological Chemistry</i> , 2002, 277, 37929-37935.	3.4	56
28	Ribonucleoprotein HNRNPA2B1 Interacts With and Regulates Oncogenic KRAS in Pancreatic Ductal Adenocarcinoma Cells. <i>Gastroenterology</i> , 2014, 147, 882-892.e8.	1.3	56
29	Identification of the nuclear localization signal of p21 <sup>cip1</sup> and consequences of its mutation on cell proliferation. <i>FEBS Letters</i> , 2002, 531, 319-323.	2.8	54
30	Phosphorylation at Ser-181 of Oncogenic KRAS Is Required for Tumor Growth. <i>Cancer Research</i> , 2014, 74, 1190-1199.	0.9	54
31	Calmodulin Binds to p21 <sup>Cip1</sup> and Is Involved in the Regulation of Its Nuclear Localization. <i>Journal of Biological Chemistry</i> , 1999, 274, 24445-24448.	3.4	53
32	Degradation of cyclin A is regulated by acetylation. <i>Oncogene</i> , 2009, 28, 2654-2666.	5.9	52
33	Near-tetraploid cancer cells show chromosome instability triggered by replication stress and exhibit enhanced invasiveness. <i>FASEB Journal</i> , 2018, 32, 3502-3517.	0.5	50
34	New nuclear functions for calmodulin. <i>Cell Calcium</i> , 1998, 23, 115-121.	2.4	48
35	P38SAPK2 phosphorylates cyclin D3 at Thr-283 and targets it for proteasomal degradation. <i>Oncogene</i> , 2004, 23, 7537-7544.	5.9	44
36	Changes in nuclear content of protein conjugate histone H2A-ubiquitin during rooster spermatogenesis. <i>FEBS Letters</i> , 1983, 155, 209-212.	2.8	42

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37	p21 as a Transcriptional Co-Repressor of S-Phase and Mitotic Control Genes. PLoS ONE, 2012, 7, e37759.	2.5	42
38	Calmodulin regulates DNA polymerase $\delta$ activity during proliferative activation of NRK cells. Biochemical and Biophysical Research Communications, 1992, 184, 1517-1523.	2.1	40
39	Binding of Calmodulin to the Carboxy-Terminal Region of p21 Induces Nuclear Accumulation via Inhibition of Protein Kinase C-Mediated Phosphorylation of Ser153. Molecular and Cellular Biology, 2005, 25, 7364-7374.	2.3	39
40	The transcriptional co-activator PCAF regulates cdk2 activity. Nucleic Acids Research, 2009, 37, 7072-7084.	14.5	33
41	Muscle hypercatabolism during cancer cachexia is not reversed by the glucocorticoid receptor antagonist RU38486. Cancer Letters, 1996, 99, 7-14.	7.2	32
42	Calmodulin expression during proliferative activation of human T lymphocytes. Cell Calcium, 1993, 14, 609-618.	2.4	31
43	Calmodulin Regulates the Expression of CDKS, Cyclins and Replicative Enzymes During Proliferative Activation of Human T Lymphocytes. Biochemical and Biophysical Research Communications, 1994, 200, 306-312.	2.1	31
44	Proteomic analysis of p16 <sup>ink4a</sup> -binding proteins. Proteomics, 2007, 7, 4102-4111.	2.2	31
45	The stress-activated protein kinases p38 $\beta$ and JNK1/2 cooperate with Chk1 to inhibit mitotic entry upon DNA replication arrest. Cell Cycle, 2012, 11, 3627-3637.	2.6	31
46	Different S/M Checkpoint Responses of Tumor and Non-Tumor Cell Lines to DNA Replication Inhibition. Cancer Research, 2007, 67, 11648-11656.	0.9	30
47	Heterogeneous nuclear ribonucleoprotein A2 is a SET-binding protein and a PP2A inhibitor. Oncogene, 2006, 25, 260-270.	5.9	29
48	Nucleolar Disruption Ensures Nuclear Accumulation of p21 upon DNA Damage. Traffic, 2010, 11, 743-755.	2.7	29
49	Oncogenic K-Ras segregates at spatially distinct plasma membrane signaling platforms according to its phosphorylation status. Journal of Cell Science, 2013, 126, 4553-9.	2.0	29
50	Chk1- and Claspin-Dependent but ATR/ATM and Rad17-Independent DNA Replication Checkpoint Response in HeLa Cells. Cancer Research, 2006, 66, 8672-8679.	0.9	27
51	Protective Effect of Structurally Diverse Grape Procyanidin Fractions against UV-Induced Cell Damage and Death. Journal of Agricultural and Food Chemistry, 2011, 59, 4489-4495.	5.2	27
52	Differential association of p21 <sup>Cip1</sup> and p27 <sup>Kip1</sup> with cyclin E-CDK2 during rat liver regeneration. Journal of Hepatology, 2000, 33, 266-274.	3.7	25
53	CaM interaction and Ser181 phosphorylation as new K-Ras signaling modulators. Small GTPases, 2011, 2, 99-103.	1.6	25
54	Cyclin-dependent kinases 4 and 6 control tumor progression and direct glucose oxidation in the pentose cycle. Metabolomics, 2012, 8, 454-464.	3.0	25

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55	Calmodulin and Calmodulin-Binding Proteins in the Cell Nucleus. <i>Molecular Biology Intelligence Unit</i> , 1995, , 69-111.	0.2	25
56	Nucleotide depletion reveals the impaired ribosome biogenesis checkpoint as a barrier against <scp>DNA</scp> damage. <i>EMBO Journal</i> , 2020, 39, e103838.	7.8	24
57	Proteomic analysis of SET-binding proteins. <i>Proteomics</i> , 2007, 7, 578-587.	2.2	22
58	Expression of calmodulin and calmodulin binding proteins in lymphoblastoid cells. <i>Journal of Cellular Physiology</i> , 1994, 159, 542-550.	4.1	21
59	Microsomal Localization of Cyclin A and cdk2 in Proliferating Rat Liver Cells. <i>Biochemical and Biophysical Research Communications</i> , 1994, 201, 1072-1078.	2.1	21
60	The p21Cip1 protein, a cyclin inhibitor, regulates the levels and the intracellular localization of CDC25A in mice regenerating livers. <i>Hepatology</i> , 2002, 35, 1063-1071.	7.3	19
61	The Structural Plasticity of the C Terminus of p21Cip1 is a Determinant for Target Protein Recognition. <i>ChemBioChem</i> , 2003, 4, 863-869.	2.6	19
62	Proteasome Inhibition Reduces Proliferation, Collagen Expression, and Inflammatory Cytokine Production in Nasal Mucosa and Polyp Fibroblasts. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 343, 184-197.	2.5	19
63	Cyclin/cdk2 Complexes in the Nucleus of HeLa Cells. <i>Biochemical and Biophysical Research Communications</i> , 1994, 203, 1527-1534.	2.1	18
64	A New Bis-Indole, KARs, Induces Selective M Arrest with Specific Spindle Aberration in Neuroblastoma Cell Line SH-SY5Y. <i>Molecular Pharmacology</i> , 2001, 60, 1235-1242.	2.3	18
65	Addition of calmodulin antagonists to NRK cells during G1 inhibits proliferating cell nuclear antigen expression. <i>Cell Calcium</i> , 1995, 18, 30-40.	2.4	17
66	The Diverging Roles of Calmodulin and PKC in the Regulation of p21 Intracellular Localization. <i>Cell Cycle</i> , 2006, 5, 3-6.	2.6	16
67	The Cell Cycle Inhibitor p21CIP1s Phosphorylated by Cyclin A-CDK2 Complexes. <i>Biochemical and Biophysical Research Communications</i> , 1997, 241, 434-438.	2.1	15
68	New origin firing is inhibited by APC/C<sup>Cdh1</sup> activation in S-phase after severe replication stress. <i>Nucleic Acids Research</i> , 2016, 44, 4745-4762.	14.5	15
69	ATM/ATR-independent inhibition of cyclin B accumulation in response to hydroxyurea in nontransformed cell lines is altered in tumour cell lines. <i>Oncogene</i> , 2003, 22, 8283-8292.	5.9	14
70	Calmodulin expression during rat liver regeneration. <i>Hepatology</i> , 1994, 20, 1002-1008.	7.3	13
71	The autoantigen La/SSB is a calmodulinbinding protein. <i>Cell Calcium</i> , 1996, 20, 493-500.	2.4	13
72	Acute hydroxyurea-induced replication blockade results in replisome components disengagement from nascent DNA without causing fork collapse. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 735-749.	5.4	13

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73	Regulation of DNA polymerase $\alpha$ activity by the $\alpha$ 1-adrenergic receptors in proliferatively activated rat liver cells. <i>Biochemical and Biophysical Research Communications</i> , 1991, 177, 973-978.	2.1	11
74	Calmodulin Is Involved in the Induction of DNA Polymerases $\alpha$ and $\gamma$ Activities in Normal Rat Kidney Cells Activated to Proliferate. <i>Biochemical and Biophysical Research Communications</i> , 1995, 217, 566-574.	2.1	9
75	Increased expression of the cyclin-dependent kinase inhibitor p27 in cleavage-stage human embryos exhibiting developmental arrest. <i>Molecular Human Reproduction</i> , 2002, 8, 919-922.	2.8	9
76	Modeling and subtleties of K-Ras and Calmodulin interaction. <i>PLoS Computational Biology</i> , 2018, 14, e1006552.	3.2	9
77	Pleiotropic Roles of Calmodulin in the Regulation of KRas and Rac1 GTPases: Functional Diversity in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3680.	4.1	9
78	The ubiquitin system: A role in disease?. , 1997, 17, 139-161.		8
79	Centrosome aberrations in human mammary epithelial cells driven by cooperative interactions between p16INK4a deficiency and telomere-dependent genotoxic stress. <i>Oncotarget</i> , 2015, 6, 28238-28256.	1.8	8
80	Protein kinase C regulates calmodulin expression in NRK cells activated to proliferate from quiescence. <i>Cell Calcium</i> , 1994, 16, 446-454.	2.4	7
81	SUMO regulates p21Cip1 intracellular distribution and with p21Cip1 facilitates multiprotein complex formation in the nucleolus upon DNA damage. <i>PLoS ONE</i> , 2017, 12, e0178925.	2.5	7
82	[Lys61]N-Ras is able to induce full activation and nuclear accumulation of Cdk4 in NIH3T3 cells. <i>Oncogene</i> , 2000, 19, 690-699.	5.9	5
83	OZF is a Claspin-interacting protein essential to maintain the replication fork progression rate under replication stress. <i>FASEB Journal</i> , 2020, 34, 6907-6919.	0.5	5
84	KRAS phosphorylation regulates cell polarization and tumorigenic properties in colorectal cancer. <i>Oncogene</i> , 2021, 40, 5730-5740.	5.9	5
85	Increased messenger ribonucleic acid expression of the cyclin-dependent kinase inhibitor p27Kip1 in cleavage-stage human embryos exhibiting developmental arrest. <i>Fertility and Sterility</i> , 2008, 89, 1557-1562.	1.0	4
86	Putative Nuclear cdk2 Substrates in Normal and Transformed Cells. <i>Biochemical and Biophysical Research Communications</i> , 1996, 219, 560-564.	2.1	3
87	Effect of $\alpha$ 1-Adrenergic Blockade on Nucleolar Growth, Chromatin Relaxation, and Histone H1A Content in Regenerating Liver. <i>Experimental Cell Research</i> , 1993, 204, 88-93.	2.6	2
88	Toward understanding calmodulin plasticity by molecular dynamics. <i>Future Medicinal Chemistry</i> , 2019, 11, 975-991.	2.3	1
89	Role of Calmodulin in the Regulation of Nuclear Functions. <i>Molecular Biology Intelligence Unit</i> , 1995, , 113-138.	0.2	0
90	Nuclear Calcium-Binding Proteins and Their Functions. <i>Molecular Biology Intelligence Unit</i> , 1995, , 37-68.	0.2	0

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91	Nuclear Calcium and Its Regulation. Molecular Biology Intelligence Unit, 1995, , 21-35.	0.2	0
92	Abstract 3031: Replication stress and DNA damage promote genomic instability in near-tetraploid colorectal cancer cells. , 2015, , .		0