

Xavier Grana

List of Publications by Year in descending order

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55
papers

2,756
citations

218677

26
h-index

175258

52
g-index

58
all docs

58
docs citations

58
times ranked

3214
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of the retinoblastoma protein family, pRB, p107 and p130 in the negative control of cell growth. <i>Oncogene</i> , 1998, 17, 3365-3383.	5.9	336
2	PITALRE, a nuclear CDC2-related protein kinase that phosphorylates the retinoblastoma protein in vitro.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 3834-3838.	7.1	220
3	Targeting CDK9 Reactivates Epigenetically Silenced Genes in Cancer. <i>Cell</i> , 2018, 175, 1244-1258.e26.	28.9	182
4	Cellular control of gene expression by T-type cyclin/CDK9 complexes. <i>Gene</i> , 2004, 337, 15-23.	2.2	158
5	Upregulation of cyclin T1/CDK9 complexes during T cell activation. <i>Oncogene</i> , 1998, 17, 3093-3102.	5.9	128
6	Proliferative Suppression by CDK4/6 Inhibition: Complex Function of the Retinoblastoma Pathway in Liver Tissue and Hepatoma Cells. <i>Gastroenterology</i> , 2010, 138, 1920-1930.e2.	1.3	114
7	Cyclin-Dependent Kinase 4 Expression Is Essential for Neu-Induced Breast Tumorigenesis. <i>Cancer Research</i> , 2005, 65, 10174-10178.	0.9	103
8	SKP2 associates with p130 and accelerates p130 ubiquitylation and degradation in human cells. <i>Oncogene</i> , 2003, 22, 2443-2451.	5.9	98
9	CTIP2 is a negative regulator of P-TEFb. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12655-12660.	7.1	86
10	CDK9 Is Constitutively Expressed throughout the Cell Cycle, and Its Steady-State Expression Is Independent of SKP2. <i>Molecular and Cellular Biology</i> , 2003, 23, 5165-5173.	2.3	80
11	G1 Cyclin/Cyclin-dependent Kinase-coordinated Phosphorylation of Endogenous Pocket Proteins Differentially Regulates Their Interactions with E2F4 and E2F1 and Gene Expression. <i>Journal of Biological Chemistry</i> , 2002, 277, 50263-50274.	3.4	78
12	Differential regulation of the retinoblastoma family of proteins during cell proliferation and differentiation. <i>Biochemical Journal</i> , 1998, 333, 645-654.	3.7	76
13	Transcription of histone H4, H3, and H1 cell cycle genes: promoter factor HiNF-D contains CDC2, cyclin A, and an RB-related protein.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 12882-12886.	7.1	63
14	The CDC2-related kinase PITALRE is the catalytic subunit of active multimeric protein complexes. <i>Biochemical Journal</i> , 1996, 319, 293-298.	3.7	55
15	Direct inhibition of CDK9 blocks HIV-1 replication without preventing T-cell activation in primary human peripheral blood lymphocytes. <i>Gene</i> , 2007, 405, 65-78.	2.2	52
16	PP2A holoenzymes, substrate specificity driving cellular functions and deregulation in cancer. <i>Advances in Cancer Research</i> , 2019, 144, 55-93.	5.0	52
17	Cyclin T1 Expression Is Regulated by Multiple Signaling Pathways and Mechanisms during Activation of Human Peripheral Blood Lymphocytes. <i>Journal of Immunology</i> , 2005, 175, 6402-6411.	0.8	50
18	A Dynamic Equilibrium between CDKs and PP2A Modulates Phosphorylation of pRB, p107 and p130. <i>Cell Cycle</i> , 2004, 3, 1320-1330.	2.6	47

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19	Mechanisms controlling CDK9 activity. <i>Frontiers in Bioscience - Landmark</i> , 2006, 11, 2598.	3.0	45
20	Selective control of gene expression by CDK9 in human cells. <i>Journal of Cellular Physiology</i> , 2010, 222, 200-208.	4.1	45
21	PP2A holoenzymes negatively and positively regulate cell cycle progression by dephosphorylating pocket proteins and multiple CDK substrates. <i>Gene</i> , 2012, 499, 1-7.	2.2	43
22	The p130 pocket protein keeping order at cell cycle exit re-entrance transitions. <i>Frontiers in Bioscience - Landmark</i> , 1998, 3, d11-24.	3.0	38
23	PP2A: more than a reset switch to activate pRB proteins during the cell cycle and in response to signaling cues. <i>Cell Cycle</i> , 2015, 14, 18-30.	2.6	37
24	B55 $\hat{1}$ ± PP2A Holoenzymes Modulate the Phosphorylation Status of the Retinoblastoma-related Protein p107 and Its Activation. <i>Journal of Biological Chemistry</i> , 2010, 285, 29863-29873.	3.4	33
25	Phosphorylation site specificity of the CDC2-related kinase PITALRE. <i>Biochemical Journal</i> , 1996, 320, 983-989.	3.7	27
26	Purification, characterization and immunological properties of 2,3-bisphosphoglycerate-independent phosphoglycerate mutase from maize (<i>Zea mays</i>) seeds. <i>FEBS Journal</i> , 1989, 186, 149-153.	0.2	26
27	Requirement of Cdk4 for v-Ha-ras-Induced Breast Tumorigenesis and Activation of the v-ras-Induced Senescence Program by the R24C Mutation. <i>Genes and Cancer</i> , 2010, 1, 69-80.	1.9	26
28	Activation of p107 by Fibroblast Growth Factor, Which Is Essential for Chondrocyte Cell Cycle Exit, Is Mediated by the Protein Phosphatase 2A/B55 $\hat{1}$ ± Holoenzyme. <i>Molecular and Cellular Biology</i> , 2013, 33, 3330-3342.	2.3	26
29	Activation of the Jak3 pathway is associated with granulocytic differentiation of myeloid precursor cells. <i>Blood</i> , 2002, 100, 2753-2762.	1.4	25
30	Invadopodia-mediated ECM degradation is enriched in the G1 phase of the cell cycle. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	25
31	2,3-Bisphosphoglycerate-independent phosphoglycerate mutase is conserved among different phylogenetic kingdoms. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1995, 112, 287-293.	1.6	23
32	PP2A Counterbalances Phosphorylation of pRB and Mitotic Proteins by Multiple CDKs: Potential Implications for PP2A Disruption in Cancer. <i>Genes and Cancer</i> , 2012, 3, 739-748.	1.9	23
33	Cytokine induction of proliferation and expression of CDC2 and cyclin a in FDC-P1 myeloid hematopoietic progenitor cells: Regulation of ubiquitous and cell cycle-dependent histone gene transcription factors. <i>Journal of Cellular Biochemistry</i> , 1995, 59, 291-302.	2.6	22
34	Complex effects of flavopiridol on the expression of primary response genes. <i>Cell Division</i> , 2012, 7, 11.	2.4	21
35	CDK9 inhibition strategy defines distinct sets of target genes. <i>BMC Research Notes</i> , 2014, 7, 301.	1.4	21
36	PPP2R2A prostate cancer haploinsufficiency is associated with worse prognosis and a high vulnerability to B55 $\hat{1}$ ±/PP2A reconstitution that triggers centrosome destabilization. <i>Oncogenesis</i> , 2019, 8, 72.	4.9	20

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37	The fate of pancreatic tumor cell lines following p16 overexpression depends on the modulation of CDK2 activity. <i>Cell Death and Differentiation</i> , 2004, 11, 1055-1065.	11.2	19
38	PP2A/B55 [±] substrate recruitment as defined by the retinoblastoma-related protein p107. <i>ELife</i> , 2021, 10, .	6.0	19
39	Cyclin/cdk2 Complexes in the Nucleus of HeLa Cells. <i>Biochemical and Biophysical Research Communications</i> , 1994, 203, 1527-1534.	2.1	18
40	Cyclin E and SV40 Small t Antigen Cooperate to Bypass Quiescence and Contribute to Transformation by Activating CDK2 in Human Fibroblasts*. <i>Journal of Biological Chemistry</i> , 2008, 283, 11280-11292.	3.4	18
41	E1A modulates phosphorylation of p130 and p107 by differentially regulating the activity of G1/S cyclin/CDK complexes. <i>Oncogene</i> , 2001, 20, 4793-4806.	5.9	17
42	Isolation and sequencing of a cDNA encoding the B isozyme of rat phosphoglycerate mutase. <i>Gene</i> , 1992, 113, 281-282.	2.2	15
43	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
44	E1A Blocks Hyperphosphorylation of p130 and p107 without Affecting the Phosphorylation Status of the Retinoblastoma Protein. <i>Journal of Virology</i> , 2000, 74, 3166-3176.	3.4	14
45	Coordinated Activation of the Origin Licensing Factor CDC6 and CDK2 in Resting Human Fibroblasts Expressing SV40 Small T Antigen and Cyclin E. <i>Journal of Biological Chemistry</i> , 2009, 284, 14126-14135.	3.4	13
46	Downregulation of the Phosphatase Nuclear Targeting Subunit (PNUTS) triggers pRB dephosphorylation and apoptosis in pRB positive tumor cell lines. <i>Cancer Biology and Therapy</i> , 2008, 7, 842-844.	3.4	11
47	Nuclear location of phosphoglycerate mutase BB isozyme in rat tissues. <i>Histochemistry</i> , 1992, 97, 269-275.	1.9	10
48	p21 Loss Cooperates with INK4 Inactivation Facilitating Immortalization and Bcl-2 ⁺ -Mediated Anchorage-Independent Growth of Oncogene-Transduced Primary Mouse Fibroblasts. <i>Cancer Research</i> , 2007, 67, 4130-4137.	0.9	9
49	Immortalization of human primary prostate epithelial cells via CRISPR inactivation of the CDKN2A locus and expression of telomerase. <i>Prostate Cancer and Prostatic Diseases</i> , 2021, 24, 233-243.	3.9	8
50	Isolation and Characterization of Cofactor-Independent Phosphoglycerate Mutase Gene from Maize. <i>Biochemical and Biophysical Research Communications</i> , 1994, 203, 1204-1209.	2.1	7
51	Phosphoglycerate mutase activity and mRNA levels during germination of maize embryos. <i>Plant Science</i> , 1993, 89, 147-151.	3.6	6
52	Escape from Cellular Quiescence. , 2010, , 3-22.		5
53	Increase of 2,3-bisphosphoglycerate synthase/phosphatase during maturation of reticulocytes with high 2,3-bisphosphoglycerate content. <i>Molecular and Cellular Biochemistry</i> , 1991, 102, 183-8.	3.1	4
54	Monographs Editor. <i>Genes and Cancer</i> , 2012, 3, 611-611.	1.9	0

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55	Introduction: Current Themes on Cell Cycle and Cancer. Genes and Cancer, 2012, 3, 612-613.	1.9	0