

Frederick A Dick

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,862
citations

218677

26
h-index

189892

50
g-index

56
all docs

56
docs citations

56
times ranked

3959
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular mechanisms underlying RB protein function. <i>Nature Reviews Molecular Cell Biology</i> , 2013, 14, 297-306.	37.0	459
2	The retinoblastoma family of proteins and their regulatory functions in the mammalian cell division cycle. <i>Cell Division</i> , 2012, 7, 10.	2.4	220
3	Inhibition of Pluripotency Networks by the Rb Tumor Suppressor Restricts Reprogramming and Tumorigenesis. <i>Cell Stem Cell</i> , 2015, 16, 39-50.	11.1	166
4	Retinoblastoma protein and anaphase-promoting complex physically interact and functionally cooperate during cell-cycle exit. <i>Nature Cell Biology</i> , 2007, 9, 225-232.	10.3	155
5	Non-canonical functions of the RB protein in cancer. <i>Nature Reviews Cancer</i> , 2018, 18, 442-451.	28.4	138
6	An RB-EZH2 Complex Mediates Silencing of Repetitive DNA Sequences. <i>Molecular Cell</i> , 2016, 64, 1074-1087.	9.7	128
7	The Retinoblastoma Protein Regulates Pericentric Heterochromatin. <i>Molecular and Cellular Biology</i> , 2006, 26, 3659-3671.	2.3	127
8	pRB Contains an E2F1-Specific Binding Domain that Allows E2F1-Induced Apoptosis to Be Regulated Separately from Other E2F Activities. <i>Molecular Cell</i> , 2003, 12, 639-649.	9.7	121
9	Mutagenesis of the pRB Pocket Reveals that Cell Cycle Arrest Functions Are Separable from Binding to Viral Oncoproteins. <i>Molecular and Cellular Biology</i> , 2000, 20, 3715-3727.	2.3	113
10	Mitotic chromosome condensation mediated by the retinoblastoma protein is tumor-suppressive. <i>Genes and Development</i> , 2010, 24, 1351-1363.	5.9	109
11	An overlapping kinase and phosphatase docking site regulates activity of the retinoblastoma protein. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 1051-1057.	8.2	98
12	Haploinsufficiency of an RB-E2F1-Condensin II Complex Leads to Aberrant Replication and Aneuploidy. <i>Cancer Discovery</i> , 2014, 4, 840-853.	9.4	73
13	Regulation of transcription and chromatin structure by pRB: Here, there and everywhere. <i>Cell Cycle</i> , 2012, 11, 3189-3198.	2.6	69
14	Examination of the pRb-Dependent and pRb-Independent Functions of E7 In Vivo. <i>Journal of Virology</i> , 2005, 79, 11392-11402.	3.4	65
15	Structure-function analysis of the retinoblastoma tumor suppressor protein "is the whole a sum of its parts?". <i>Cell Division</i> , 2007, 2, 26.	2.4	64
16	Posttranslational Modifications of the Retinoblastoma Tumor Suppressor Protein as Determinants of Function. <i>Genes and Cancer</i> , 2012, 3, 619-633.	1.9	62
17	Three Regions of the pRB Pocket Domain Affect Its Inactivation by Human Papillomavirus E7 Proteins. <i>Journal of Virology</i> , 2002, 76, 6224-6234.	3.4	57
18	DNA Damage Signals through Differentially Modified E2F1 Molecules To Induce Apoptosis. <i>Molecular and Cellular Biology</i> , 2012, 32, 900-912.	2.3	51

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19	A G ₁ Checkpoint Mediated by the Retinoblastoma Protein That Is Dispensable in Terminal Differentiation but Essential for Senescence. <i>Molecular and Cellular Biology</i> , 2010, 30, 948-960.	2.3	48
20	The biochemical basis of CDK phosphorylation-independent regulation of E2F1 by the retinoblastoma protein. <i>Biochemical Journal</i> , 2011, 434, 297-308.	3.7	45
21	Analysis of Cell Cycle Position in Mammalian Cells. <i>Journal of Visualized Experiments</i> , 2012, , .	0.3	42
22	A Systematic Analysis of Negative Growth Control Implicates the DREAM Complex in Cancer Cell Dormancy. <i>Molecular Cancer Research</i> , 2017, 15, 371-381.	3.4	40
23	Chromosome instability and deregulated proliferation: an unavoidable duo. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 2009-2024.	5.4	36
24	<i>pRB1</i> Deletion in Retinoblastoma Protein Pathway-Disrupted Cells Results in DNA Damage and Cancer Progression. <i>Molecular and Cellular Biology</i> , 2019, 39, .	2.3	34
25	Structural Conservation and E2F Binding Specificity within the Retinoblastoma Pocket Protein Family. <i>Journal of Molecular Biology</i> , 2016, 428, 3960-3971.	4.2	33
26	CDK4 Inhibitors Thwart Immunity by Inhibiting Phospho-RB-NF- κ B Complexes. <i>Molecular Cell</i> , 2019, 73, 1-2.	9.7	33
27	A Retinoblastoma Allele That Is Mutated at Its Common E2F Interaction Site Inhibits Cell Proliferation in Gene-Targeted Mice. <i>Molecular and Cellular Biology</i> , 2014, 34, 2029-2045.	2.3	32
28	Loss of the Mammalian DREAM Complex Deregulates Chondrocyte Proliferation. <i>Molecular and Cellular Biology</i> , 2014, 34, 2221-2234.	2.3	28
29	A Functional Connection between pRB and Transforming Growth Factor β in Growth Inhibition and Mammary Gland Development. <i>Molecular and Cellular Biology</i> , 2009, 29, 4455-4466.	2.3	24
30	Interchangeable Roles for E2F Transcriptional Repression by the Retinoblastoma Protein and p27 ^{KIP1} Cyclin-Dependent Kinase Regulation in Cell Cycle Control and Tumor Suppression. <i>Molecular and Cellular Biology</i> , 2017, 37, .	2.3	19
31	Disruption of CDK-resistant chromatin association by pRB causes DNA damage, mitotic errors, and reduces Condensin II recruitment. <i>Cell Cycle</i> , 2017, 16, 1430-1439.	2.6	17
32	The retinoblastoma protein and PML collaborate to organize heterochromatin and silence E2F-responsive genes during senescence. <i>Cell Cycle</i> , 2014, 13, 641-651.	2.6	15
33	BEAVR: a browser-based tool for the exploration and visualization of RNA-seq data. <i>BMC Bioinformatics</i> , 2020, 21, 221.	2.6	15
34	Technical Note: Immunohistochemical evaluation of mouse brain irradiation targeting accuracy with 3D-printed immobilization device. <i>Medical Physics</i> , 2015, 42, 6507-6513.	3.0	13
35	Hypophosphorylated pRb knock-in mice exhibit hallmarks of aging and vitamin C-preventable diabetes. <i>EMBO Journal</i> , 2022, 41, e106825.	7.8	13
36	Loss of the retinoblastoma tumor suppressor correlates with improved outcome in patients with lung adenocarcinoma treated with surgery and chemotherapy. <i>Human Pathology</i> , 2015, 46, 1922-1934.	2.0	12

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37	Analyzing RB and E2F During the G1→S Transition. <i>Methods in Molecular Biology</i> , 2014, 1170, 449-461.	0.9	11
38	Principles of dormancy evident in high-grade serous ovarian cancer. <i>Cell Division</i> , 2022, 17, 2.	2.4	10
39	An RB-Condensin II Complex Mediates Long-Range Chromosome Interactions and Influences Expression at Divergently Paired Genes. <i>Molecular and Cellular Biology</i> , 2020, 40, .	2.3	8
40	Mutation of the LXCXE Binding Cleft of pRb Facilitates Transformation by ras In Vitro but Does Not Promote Tumorigenesis In Vivo. <i>PLoS ONE</i> , 2013, 8, e72236.	2.5	8
41	A cancer derived mutation in the Retinoblastoma gene with a distinct defect for LXCXE dependent interactions. <i>Cancer Cell International</i> , 2010, 10, 8.	4.1	7
42	Sweet DREAMs for Hippo. <i>Genes and Development</i> , 2011, 25, 889-894.	5.9	7
43	Disrupting the DREAM transcriptional repressor complex induces apolipoprotein overexpression and systemic amyloidosis in mice. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	7
44	Phosphorylation of the RB C-terminus regulates condensin II release from chromatin. <i>Journal of Biological Chemistry</i> , 2021, 296, 100108.	3.4	6
45	A Context-Specific Role for Retinoblastoma Protein-Dependent Negative Growth Control in Suppressing Mammary Tumorigenesis. <i>PLoS ONE</i> , 2011, 6, e16434.	2.5	5
46	Half brain irradiation in a murine model of breast cancer brain metastasis: magnetic resonance imaging and histological assessments of dose-response. <i>Radiation Oncology</i> , 2018, 13, 104.	2.7	5
47	Drugging RB1 Deficiency: Synthetic Lethality with Aurora Kinases. <i>Cancer Discovery</i> , 2019, 9, 169-172.	9.4	5
48	Cell Synchronization of Mouse Embryonic Fibroblasts. <i>Methods in Molecular Biology</i> , 2016, 1342, 91-99.	0.9	4
49	Conditional haploinsufficiency of the retinoblastoma tumor suppressor gene. <i>Molecular and Cellular Oncology</i> , 2015, 2, e968069.	0.7	3
50	Multiple molecular interactions redundantly contribute to RB-mediated cell cycle control. <i>Cell Division</i> , 2017, 12, 3.	2.4	1
51	Context dependent roles for RB-E2F transcriptional regulation in tumor suppression. <i>PLoS ONE</i> , 2019, 14, e0203577.	2.5	1
52	Immunohistochemical Detection of the Retinoblastoma Protein. <i>Methods in Molecular Biology</i> , 2018, 1726, 65-75.	0.9	0