Rod Bremner

List of Publications by Year
in descending order

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87 papers	4,654 citations	126708 33 h-index	106150 65 g-index
97 all docs	97 docs citations	97 times ranked	5874 citing authors

#	Article	IF	Citations
1	Hypophosphorylated pRb knockâ€in mice exhibit hallmarks of aging and vitamin Câ€preventable diabetes. EMBO Journal, 2022, 41, e106825.	3.5	13
2	Targeting the Ubiquitinâ€“Proteasome System Using the UBA1 Inhibitor TAK-243 is a Potential Therapeutic Strategy for Small-Cell Lung Cancer. Clinical Cancer Research, 2022, 28, 1966-1978.	3.2	11
3	CDK/cyclin dependencies define extreme cancer cell-cycle heterogeneity and collateral vulnerabilities. Cell Reports, 2022, 38, 110448.	2.9	48
4	Multicenter international assessment of a SARS-CoV-2 RT-LAMP test for point of care clinical application. PLoS ONE, 2022, 17, e0268340.	1.1	15
5	Mapping transgene insertion sites reveals the Î±-Cre transgene expression in both developing retina and olfactory neurons. Communications Biology, 2022, 5, 411.	2.0	2
6	A glucose meter interface for point-of-care gene circuit-based diagnostics. Nature Communications, 2021, 12, 724.	5.8	54
7	A multiplexed, next generation sequencing platform for high-throughput detection of SARS-CoV-2. Nature Communications, 2021, 12, 1405.	5.8	33
8	Comparison of SARS-CoV-2 indirect and direct RT-qPCR detection methods. Virology Journal, 2021, 18, 99.	1.4	22
9	InVision: An optimized tissue clearing approach for three-dimensional imaging and analysis of intact rodent eyes. IScience, 2021, 24, 102905.	1.9	8
10	Binary pan-cancer classes with distinct vulnerabilities defined by pro- or anti-cancer YAP/TEAD activity. Cancer Cell, 2021, 39, 1115-1134.e12.	7.7	86
11	Photoreceptor nanotubes mediate the inÂvivo exchange of intracellular material. EMBO Journal, 2021, 40, e107264.	3.5	33
12	Simplifying cancer: binary pan-cancer superclasses stratified by opposite YAP/TEAD effects. Molecular and Cellular Oncology, 2021, 8, 1981111.	0.3	1
13	Lentiviral-mediated ectopic expression of YAP and TAZ in YAPoff cancer cell lines. STAR Protocols, 2021, 2, 100870.	0.5	1
14	The NEMP family supports metazoan fertility and nuclear envelope stiffness. Science Advances, 2020, 6, eabb4591.	4.7	11
15	Pou2f1 and Pou2f2 cooperate to control the timing of cone photoreceptor production in the developing mouse retina. Development (Cambridge), 2020, 147, .	1.2	34
16	Single-Cell Analysis of Human Retina Identifies Evolutionarily Conserved and Species-Specific Mechanisms Controlling Development. Developmental Cell, 2020, 53, 473-491.e9.	3.1	170
17	Functional genomics identifies new synergistic therapies for retinoblastoma. Oncogene, 2020, 39, 5338-5357.	2.6	26
18	Preclinical studies reveal MLN4924 is a promising new retinoblastoma therapy. Cell Death Discovery, 2020, 6, 2.	2.0	32

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19	Neogenin neutralization prevents photoreceptor loss in inherited retinal degeneration. Journal of Clinical Investigation, 2020, 130, 2054-2068.	3.9	14
20	Extracellular phosphorylation drives the formation of neuronal circuitry. Nature Chemical Biology, 2019, 15, 1035-1042.	3.9	22
21	Transcriptional regulation of cone photoreceptor development. IBRO Reports, 2019, 6, S20-S21.	0.3	0
22	FAT4 Fine-Tunes Kidney Development by Regulating RET Signaling. Developmental Cell, 2019, 48, 780-792.e4.	3.1	27
23	Rb1/Rbl1/Vhl loss induces mouse subretinal angiomatous proliferation and hemangioblastoma. JCI Insight, 2019, 4, .	2.3	9
24	Rb is required for retinal angiogenesis and lamination. Cell Death and Disease, 2018, 9, 370.	2.7	7
25	Frequent interferon regulatory factor 1 (IRF1) binding at remote elements without histone modification. Journal of Biological Chemistry, 2018, 293, 10353-10362.	1.6	6
26	Properties of STAT1 and IRF1 enhancers and the influence of SNPs. BMC Molecular Biology, 2017, 18, 6.	3.0	36
27	Interferon-Dependent Induction of Clr-b during Mouse Cytomegalovirus Infection Protects Bystander Cells from Natural Killer Cells via NKR-P1B-Mediated Inhibition. Journal of Innate Immunity, 2017, 9, 343-358.	1.8	9
28	A CDK2 activity signature predicts outcome in CDK2-low cancers. Oncogene, 2017, 36, 2491-2502.	2.6	32
29	Cancer Cells Hijack PRC2 to Modify Multiple Cytokine Pathways. PLoS ONE, 2015, 10, e0126466.	1.1	29
30	Peptides derived from the dependence receptor ALK are proapoptotic for ALK-positive tumors. Cell Death and Disease, 2015, 6, e1736-e1736.	2.7	5
31	Polycomb Repressive Complex 2 Confers BRG1 Dependency on the CIITA Locus. Journal of Immunology, 2015, 194, 5007-5013.	0.4	17
32	Identification of the SLAM Adapter Molecule EAT-2 as a Lupus-Susceptibility Gene That Acts through Impaired Negative Regulation of Dendritic Cell Signaling. Journal of Immunology, 2015, 195, 4623-4631.	0.4	4
33	Induction of the ganglion cell differentiation program in human retinal progenitors before cell cycle exit. Developmental Dynamics, 2014, 243, C1-C1.	0.8	0
34	Induction of the ganglion cell differentiation program in human retinal progenitors before cell cycle exit. Developmental Dynamics, 2014, 243, 712-729.	0.8	18
35	Modifying Lipid Rafts Promotes Regeneration and Functional Recovery. Cell Reports, 2014, 8, 1146-1159.	2.9	58
36	The origin of human retinoblastoma. Nature, 2014, 514, 313-313.	13.7	30

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37	Retinal degeneration depends on Bmi1 function and reactivation of cell cycle proteins. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E593-601.	3.3	32
38	E2f2 induces cone photoreceptor apoptosis independent of E2f1 and E2f3. Cell Death and Differentiation, 2013, 20, 931-940.	5.0	25
39	A rapid and efficient method to purify proteins at replication forks under native conditions. BioTechniques, 2013, 55, 204-206.	0.8	55
40	Mapping differentiation kinetics in the mouse retina reveals an extensive period of cell cycle protein expression in postâ€mitotic newborn neurons. Developmental Dynamics, 2012, 241, 1525-1544.	0.8	27
41	The double-stranded RNA-binding protein Staufen 2 regulates eye size. Molecular and Cellular Neurosciences, 2012, 51, 101-111.	1.0	11
42	Established and new mouse models reveal E2f1 and Cdk2 dependency of retinoblastoma, and expose effective strategies to block tumor initiation. Oncogene, 2012, 31, 5019-5028.	2.6	59
43	Abstract 2590: A novel use of E2f and Cdk inhibitors to preventRB-null tumours in genetically engineered models of retinoblastoma. , 2012, , .		0
44	Subretinal gene delivery using helper-dependent adenoviral vectors. Cell and Bioscience, 2011, 1, 15.	2.1	8
45	Maximizing Functional Photoreceptor Differentiation From Adult Human Retinal Stem Cells. Stem Cells, 2010, 28, 489-500.	1.4	70
46	Association of reading disabilities with regions marked by acetylated H3 histones in KIAA0319. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2010, 153B, 447-462.	1.1	50
47	Histone Deacetylases and the Nuclear Receptor Corepressor Regulate Lytic-Latent Switch Gene 50 in Murine Gammaherpesvirus 68-Infected Macrophages. Journal of Virology, 2010, 84, 12039-12047.	1.5	19
48	A G₁ Checkpoint Mediated by the Retinoblastoma Protein That Is Dispensable in Terminal Differentiation but Essential for Senescence. Molecular and Cellular Biology, 2010, 30, 948-960.	1.1	48
49	CDKN1C (p57KIP2)mRNA expression in human retinoblastomas. Ophthalmic Genetics, 2010, 31, 141-146.	0.5	7
50	Noninvasive, In Vivo Assessment of Mouse Retinal Structure Using Optical Coherence Tomography. PLoS ONE, 2009, 4, e7507.	1.1	183
51	A rapid simple approach to quantify chromosome conformation capture. Nucleic Acids Research, 2009, 37, e35-e35.	6.5	21
52	Division and apoptosis of E2f-deficient retinal progenitors. Nature, 2009, 462, 925-929.	13.7	132
53	E2f1â€“3 switch from activators in progenitor cells to repressors in differentiating cells. Nature, 2009, 462, 930-934.	13.7	208
54	Retinoic acid receptorâ€related orphan receptor Î± regulates a subset of cone genes during mouse retinal development. Journal of Neurochemistry, 2009, 108, 91-101.	2.1	82

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55	Retinoblastoma, an Inside Job. Cell, 2009, 137, 992-994.	13.5	18
56	The chromatin-remodeling enzyme BRG1 coordinates CIITA induction through many interdependent distal enhancers. Nature Immunology, 2008, 9, 785-793.	7.0	95
57	Brahma-Related Gene 1-Dependent STAT3 Recruitment at IL-6-Inducible Genes. Journal of Immunology, 2007, 178, 345-351.	0.4	41
58	Rb-Mediated Neuronal Differentiation through Cell-Cycleâ€"Independent Regulation of E2f3a. PLoS Biology, 2007, 5, e179.	2.6	79
59	Unique Requirement for Rb/E2F3 in Neuronal Migration: Evidence for Cell Cycle-Independent Functions. Molecular and Cellular Biology, 2007, 27, 4825-4843.	1.1	80
60	Direct and indirect effects of hedgehog pathway activation in the mammalian retina. Molecular and Cellular Neurosciences, 2006, 32, 274-282.	1.0	25
61	Insights from Animal Models on the Origins and Progression of Retinoblastoma. Current Molecular Medicine, 2006, 6, 759-781.	0.6	23
62	Insights from Animal Models on the Origins and Progression of Retinoblastoma. Current Molecular Medicine, 2006, 6, 759-781.	0.6	32
63	CHX10 Targets a Subset of Photoreceptor Genes. Journal of Biological Chemistry, 2006, 281, 744-751.	1.6	51
64	Chx10 is required to block photoreceptor differentiation but is dispensable for progenitor proliferation in the postnatal retina. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4988-4993.	3.3	96
65	Correspondence. Retina, 2005, 25, 950-951.	1.0	1
66	The search for the retinoblastoma cell of origin. Nature Reviews Cancer, 2005, 5, 91-101.	12.8	201
67	Apical role for BRG1 in cytokine-induced promoter assembly. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14611-14616.	3.3	87
68	Transcriptional Activity of the Paired-like Homeodomain Proteins CHX10 and VSX1. Journal of Biological Chemistry, 2005, 280, 10100-10108.	1.6	53
69	CpG Island microarray probe sequences derived from a physical library are representative of CpG Islands annotated on the human genome. Nucleic Acids Research, 2005, 33, 2952-2961.	6.5	89
70	Retinoblastoma Protein Purification and Transduction of Retina and Retinoblastoma Cells Using Improved Alphavirus Vectors. , 2004, 45, 3320.		32
71	The RB Protein Family in Retinal Development and Retinoblastoma: New Insights from New Mouse Models. Developmental Neuroscience, 2004, 26, 417-434.	1.0	24
72	Cell-specific effects of RB or RB/p107 loss on retinal development implicate an intrinsically death-resistant cell-of-origin in retinoblastoma. Cancer Cell, 2004, 5, 539-551.	7.7	275

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73	Induction of P815 tumor immunity by DNA-based recombinant Semliki Forest virus or replicon DNA expressing the P1A gene. Cancer Detection and Prevention, 2004, 28, 418-425.	2.1	14
74	Murine cytomegalovirus paralyzes macrophages by blocking IFNÂ-induced promoter assembly. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14309-14314.	3.3	20
75	VSX1: A gene for posterior polymorphous dystrophy and keratoconus. Human Molecular Genetics, 2002, 11, 1029-1036.	1.4	249
76	Interferon-gamma-induced chromatin remodeling at the CIITA locus is BRG1 dependent. EMBO Journal, 2002, 21, 1978-1986.	3.5	99
77	Retinoblastoma: the disease, gene and protein provide critical leads to understand cancer. Seminars in Cancer Biology, 2000, 10, 255-269.	4.3	120
78	Involvement of Retinoblastoma Family Members and E2F/DP Complexes in the Death of Neurons Evoked by DNA Damage. Journal of Neuroscience, 2000, 20, 3104-3114.	1.7	146
79	pRB is required for interferon-Î³-induction of the MHC class II AÎ² gene. Oncogene, 1999, 18, 4940-4947.	2.6	25
80	Rapid, High Level Protein Production Using DNA-based Semliki Forest Virus Vectors. Journal of Biological Chemistry, 1998, 273, 18060-18066.	1.6	104
81	Deletion of RBExons 24 and 25 Causes Low-Penetrance Retinoblastoma. American Journal of Human Genetics, 1997, 61, 556-570.	2.6	92
82	Induction of different genetic changes by different classes of chemical carcinogens during progression of mouse skin tumors. Molecular Carcinogenesis, 1994, 11, 90-97.	1.3	26
83	A revised map position for the Ha-ras gene on mouse chromosome 7: Implications for analysis of genetic alterations in rodent tumors. Molecular Carcinogenesis, 1993, 7, 147-150.	1.3	5
84	Unraveling the Function of the Retinoblastoma Gene. Advances in Cancer Research, 1993, 61, 115-141.	1.9	49
85	Genetic changes during mouse skin tumorigenesis.. Environmental Health Perspectives, 1991, 93, 41-44.	2.8	13
86	Loss of heterozygosity and mutational alterations of the p53 gene in skin tumours of interspecific hybrid mice. Oncogene, 1991, 6, 2363-9.	2.6	127
87	Genetic changes in skin tumor progression: Correlation between presence of a mutant ras gene and loss of heterozygosity on mouse chromosome 7. Cell, 1990, 61, 407-417.	13.5	263