

Allan Balmain

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

5,404
citations

186209

28
h-index

276775

41
g-index

42
all docs

42
docs citations

42
times ranked

5624
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting KRAS4A splicing through the RBM39/DCAF15 pathway inhibits cancer stem cells. <i>Nature Communications</i> , 2021, 12, 4288.	5.8	24
2	The mutational signature profile of known and suspected human carcinogens in mice. <i>Nature Genetics</i> , 2020, 52, 1189-1197.	9.4	84
3	The critical roles of somatic mutations and environmental tumor-promoting agents in cancer risk. <i>Nature Genetics</i> , 2020, 52, 1139-1143.	9.4	73
4	Integration of multiple biological contexts reveals principles of synthetic lethality that affect reproducibility. <i>Nature Communications</i> , 2020, 11, 2375.	5.8	24
5	Mutational signatures in tumours induced by high and low energy radiation in Trp53 deficient mice. <i>Nature Communications</i> , 2020, 11, 394.	5.8	61
6	Critical behavior of spatial networks as a model of paracrine signaling in tumorigenesis. <i>Applied Network Science</i> , 2019, 4, .	0.8	1
7	A model for RAS mutation patterns in cancers: finding the sweet spot. <i>Nature Reviews Cancer</i> , 2018, 18, 767-777.	12.8	266
8	Multicolour lineage tracing reveals clonal dynamics of squamous carcinoma evolution from initiation to metastasis. <i>Nature Cell Biology</i> , 2018, 20, 699-709.	4.6	74
9	Lgr6 is a stem cell marker in mouse skin squamous cell carcinoma. <i>Nature Genetics</i> , 2017, 49, 1624-1632.	9.4	47
10	Chemical Carcinogenesis Models of Cancer: Back to the Future. <i>Annual Review of Cancer Biology</i> , 2017, 1, 295-312.	2.3	30
11	Panx3 links body mass index and tumorigenesis in a genetically heterogeneous mouse model of carcinogen-induced cancer. <i>Genome Medicine</i> , 2016, 8, 83.	3.6	13
12	The Trp53 delta proline (Trp53 ^{ΔP}) mouse exhibits increased genome instability and susceptibility to radiation-induced, but not spontaneous, tumor development. <i>Molecular Carcinogenesis</i> , 2016, 55, 1387-1396.	1.3	5
13	Gene Expression Architecture of Mouse Dorsal and Tail Skin Reveals Functional Differences in Inflammation and Cancer. <i>Cell Reports</i> , 2016, 16, 1153-1165.	2.9	20
14	Genetic variation in the functional ENG allele inherited from the non-affected parent associates with presence of pulmonary arteriovenous malformation in hereditary hemorrhagic telangiectasia 1 (HHT1) and may influence expression of PTPN14. <i>Frontiers in Genetics</i> , 2015, 6, 67.	1.1	17
15	Evolution of metastasis revealed by mutational landscapes of chemically induced skin cancers. <i>Nature Medicine</i> , 2015, 21, 1514-1520.	15.2	93
16	K-Ras Promotes Tumorigenicity through Suppression of Non-canonical Wnt Signaling. <i>Cell</i> , 2015, 163, 1237-1251.	18.5	195
17	The mutational landscapes of genetic and chemical models of Kras-driven lung cancer. <i>Nature</i> , 2015, 517, 489-492.	13.7	285
18	Milestones in Skin Carcinogenesis: The Biology of Multistage Carcinogenesis. <i>Journal of Investigative Dermatology</i> , 2014, 134, E2-E7.	0.3	32

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19	Modeling Cutaneous Squamous Carcinoma Development in the Mouse. Cold Spring Harbor Perspectives in Medicine, 2014, 4, a013623-a013623.	2.9	32
20	A Multilevel Model of Postmenopausal Breast Cancer Incidence. Cancer Epidemiology Biomarkers and Prevention, 2014, 23, 2078-2092.	1.1	25
21	Identification of Hipk2 as an essential regulator of white fat development. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7373-7378.	3.3	38
22	Rewiring of human lung cell lineage and mitotic networks in lung adenocarcinomas. Nature Communications, 2013, 4, 1701.	5.8	42
23	Inflammation and Hras signaling control epithelial-mesenchymal transition during skin tumor progression. Genes and Development, 2013, 27, 670-682.	2.7	50
24	Sequential mutations in Notch1, Fbxw7, and Tp53 in radiation-induced mouse thymic lymphomas. Blood, 2012, 119, 805-809.	0.6	13
25	Network analysis of skin tumor progression identifies a rewired genetic architecture affecting inflammation and tumor susceptibility. Genome Biology, 2011, 12, R5.	13.9	41
26	Genetic architecture of mouse skin inflammation and tumour susceptibility. Nature, 2009, 458, 505-508.	13.7	120
27	Kras regulatory elements and exon 4A determine mutation specificity in lung cancer. Nature Genetics, 2008, 40, 1240-1244.	9.4	113
28	A functional switch from lung cancer resistance to susceptibility at the Pas1 locus in Kras2LA2 mice. Nature Genetics, 2006, 38, 926-930.	9.4	67
29	Genomic instability in radiation-induced mouse lymphoma from p53 heterozygous mice. Oncogene, 2005, 24, 7924-7934.	2.6	27
30	Stem-cell hierarchy in skin cancer. Nature Reviews Cancer, 2003, 3, 434-443.	12.8	261
31	Cancer as a Complex Genetic Trait. Cell, 2002, 108, 145-152.	13.5	131
32	Metastasis is driven by sequential elevation of H-ras and Smad2 levels. Nature Cell Biology, 2002, 4, 487-494.	4.6	348
33	Targeting gene expression to tumor cells with loss of wild-type p53 function. Cancer Gene Therapy, 2000, 7, 4-12.	2.2	27
34	The malignant capacity of skin tumours induced by expression of a mutant H-ras transgene depends on the cell type targeted. Current Biology, 1998, 8, 516-524.	1.8	143
35	Chromosomal and genetic alterations of 7,12- Dimethylbenz[a]anthracene-induced melanoma from TP-ras transgenic mice. , 1997, 20, 78-87.		25
36	Distinct genetic loci control development of benign and malignant skin tumours in mice. Nature Genetics, 1995, 10, 424-429.	9.4	120

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37	p53-deficient mice are extremely susceptible to radiation-induced tumorigenesis. <i>Nature Genetics</i> , 1994, 8, 66-69.	9.4	347
38	Skin hyperkeratosis and papilloma formation in transgenic mice expressing a ras oncogene from a suprabasal keratin promoter. <i>Cell</i> , 1990, 62, 697-708.	13.5	265
39	Carcinogen-specific mutation and amplification of Ha-ras during mouse skin carcinogenesis. <i>Nature</i> , 1986, 322, 78-80.	13.7	846
40	Activation of the mouse cellular Harvey-ras gene in chemically induced benign skin papillomas. <i>Nature</i> , 1984, 307, 658-660.	13.7	550
41	Mouse skin carcinomas induced in vivo by chemical carcinogens have a transforming Harvey-ras oncogene. <i>Nature</i> , 1983, 303, 72-74.	13.7	427