

Alain de Bruin

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

4,231
citations

186265

28
h-index

123424

61
g-index

85
all docs

85
docs citations

85
times ranked

7673
citing authors

#	ARTICLE	IF	CITATIONS
1	An Essential Role for Senescent Cells in Optimal Wound Healing through Secretion of PDGF-AA. <i>Developmental Cell</i> , 2014, 31, 722-733.	7.0	1,376
2	A Proinflammatory Gut Microbiota Increases Systemic Inflammation and Accelerates Atherosclerosis. <i>Circulation Research</i> , 2019, 124, 94-100.	4.5	226
3	High-fat diet induced obesity primes inflammation in adipose tissue prior to liver in C57BL/6j mice. <i>Aging</i> , 2015, 7, 256-268.	3.1	201
4	Identification and Characterization of E2F7, a Novel Mammalian E2F Family Member Capable of Blocking Cellular Proliferation. <i>Journal of Biological Chemistry</i> , 2003, 278, 42041-42049.	3.4	185
5	Cloning and Characterization of Mouse E2F8, a Novel Mammalian E2F Family Member Capable of Blocking Cellular Proliferation. <i>Journal of Biological Chemistry</i> , 2005, 280, 18211-18220.	3.4	153
6	E2F8 is essential for polyploidization in mammalian cells. <i>Nature Cell Biology</i> , 2012, 14, 1181-1191.	10.3	135
7	Full ablation of C9orf72 in mice causes immune system-related pathology and neoplastic events but no motor neuron defects. <i>Acta Neuropathologica</i> , 2016, 132, 145-147.	7.7	104
8	E2F7 represses a network of oscillating cell cycle genes to control S-phase progression. <i>Nucleic Acids Research</i> , 2012, 40, 3511-3523.	14.5	91
9	<scp>GEMC</scp> 1 is a critical regulator of multiciliated cell differentiation. <i>EMBO Journal</i> , 2016, 35, 942-960.	7.8	91
10	Controlled induction of DNA double-strand breaks in the mouse liver induces features of tissue ageing. <i>Nature Communications</i> , 2015, 6, 6790.	12.8	90
11	Disease Modeling and Gene Therapy of Copper Storage Disease in Canine Hepatic Organoids. <i>Stem Cell Reports</i> , 2015, 5, 895-907.	4.8	84
12	Assessment of long-term safety and efficacy of intranasal mesenchymal stem cell treatment for neonatal brain injury in the mouse. <i>Pediatric Research</i> , 2015, 78, 520-526.	2.3	74
13	Functional role of CCL5/RANTES for HCC progression during chronic liver disease. <i>Journal of Hepatology</i> , 2017, 66, 743-753.	3.7	73
14	E2f8 mediates tumor suppression in postnatal liver development. <i>Journal of Clinical Investigation</i> , 2016, 126, 2955-2969.	8.2	72
15	Concise Review: Organoids Are a Powerful Tool for the Study of Liver Disease and Personalized Treatment Design in Humans and Animals. <i>Stem Cells Translational Medicine</i> , 2016, 5, 325-330.	3.3	63
16	Molecular pathways of senescence regulate placental structure and function. <i>EMBO Journal</i> , 2019, 38, e100849.	7.8	61
17	Effective treatment of steatosis and steatohepatitis by fibroblast growth factor 1 in mouse models of nonalcoholic fatty liver disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2288-2293.	7.1	60
18	Ccne1 Overexpression Causes Chromosome Instability in Liver Cells and Liver Tumor Development in Mice. <i>Gastroenterology</i> , 2019, 157, 210-226.e12.	1.3	50

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19	Impaired Hepatic Vitamin A Metabolism in NAFLD Mice Leading to Vitamin A Accumulation in Hepatocytes. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 11, 309-325.e3.	4.5	46
20	Evaluating in vivo efficacy and toxicity profile of TEG001 in humanized mice xenografts against primary human AML disease and healthy hematopoietic cells. , 2019, 7, 69.		42
21	E2F-Family Members Engage the PIDDosome to Limit Hepatocyte Ploidy in Liver Development and Regeneration. <i>Developmental Cell</i> , 2020, 52, 335-349.e7.	7.0	40
22	Cyclin F-dependent degradation of E2F7 is critical for DNA repair and G2-phase progression. <i>EMBO Journal</i> , 2019, 38, e101430.	7.8	38
23	Modelling tuberculous meningitis in zebrafish using <i>Mycobacterium marinum</i> . <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 1111-22.	2.4	37
24	Chemokine-Like Receptor 1 Deficiency Does Not Affect the Development of Insulin Resistance and Nonalcoholic Fatty Liver Disease in Mice. <i>PLoS ONE</i> , 2014, 9, e96345.	2.5	36
25	CDK10 Mutations in Humans and Mice Cause Severe Growth Retardation, Spine Malformations, and Developmental Delays. <i>American Journal of Human Genetics</i> , 2017, 101, 391-403.	6.2	35
26	Hepatic Carbohydrate Response Element Binding Protein Activation Limits Nonalcoholic Fatty Liver Disease Development in a Mouse Model for Glycogen Storage Disease Type 1a. <i>Hepatology</i> , 2020, 72, 1638-1653.	7.3	34
27	Modeling Dynamics and Function of Bone Marrow Cells in Mouse Liver Regeneration. <i>Cell Reports</i> , 2017, 18, 107-121.	6.4	32
28	Intestinal PPAR γ protects against diet-induced obesity, insulin resistance and dyslipidemia. <i>Scientific Reports</i> , 2017, 7, 846.	3.3	32
29	Control of Epithelial Cell Migration and Invasion by the IKK β - and CK1 α -Mediated Degradation of RAPGEF2. <i>Developmental Cell</i> , 2013, 27, 574-585.	7.0	30
30	Par1b Induces Asymmetric Inheritance of Plasma Membrane Domains via LGN-Dependent Mitotic Spindle Orientation in Proliferating Hepatocytes. <i>PLoS Biology</i> , 2013, 11, e1001739.	5.6	30
31	OTULIN Prevents Liver Inflammation and Hepatocellular Carcinoma by Inhibiting FADD- and RIPK1 Kinase-Mediated Hepatocyte Apoptosis. <i>Cell Reports</i> , 2020, 30, 2237-2247.e6.	6.4	30
32	Genome-wide analysis reveals <i>NRP1</i> as a direct HIF1 α -E2F7 target in the regulation of motoneuron guidance in vivo. <i>Nucleic Acids Research</i> , 2016, 44, 3549-3566.	14.5	29
33	PIDDosome-induced p53-dependent ploidy restriction facilitates hepatocarcinogenesis. <i>EMBO Reports</i> , 2020, 21, e50893.	4.5	29
34	The hepatocyte IKK:NFB axis promotes liver steatosis by stimulating de novo lipogenesis and cholesterol synthesis. <i>Molecular Metabolism</i> , 2021, 54, 101349.	6.5	28
35	Feedback regulation between atypical E2Fs and APC / C ^C / C ^{dh1} coordinates cell cycle progression. <i>EMBO Reports</i> , 2016, 17, 414-427.	4.5	27
36	Chk1 and 14-3-3 proteins inhibit atypical E2Fs to prevent a permanent cell cycle arrest. <i>EMBO Journal</i> , 2018, 37, .	7.8	27

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37	The Influence of Different Fat Sources on Steatohepatitis and Fibrosis Development in the Western Diet Mouse Model of Non-alcoholic Steatohepatitis (NASH). <i>Frontiers in Physiology</i> , 2019, 10, 770.	2.8	27
38	Preoperative Fasting Protects against Renal Ischemia-Reperfusion Injury in Aged and Overweight Mice. <i>PLoS ONE</i> , 2014, 9, e100853.	2.5	26
39	Local endothelial DNA repair deficiency causes aging-resembling endothelial-specific dysfunction. <i>Clinical Science</i> , 2020, 134, 727-746.	4.3	25
40	Reduced expression of C/EBP β -LIP extends health and lifespan in mice. <i>ELife</i> , 2018, 7, .	6.0	23
41	E2F7 Is a Potent Inhibitor of Liver Tumor Growth in Adult Mice. <i>Hepatology</i> , 2021, 73, 303-317.	7.3	22
42	Hypoxia negatively affects senescence in osteoclasts and delays osteoclastogenesis. <i>Journal of Cellular Physiology</i> , 2019, 234, 414-426.	4.1	21
43	Differential requirements for Tausled-like kinases 1 and 2 in mammalian development. <i>Cell Death and Differentiation</i> , 2017, 24, 1872-1885.	11.2	20
44	Excessive E2F Transcription in Single Cancer Cells Precludes Transient Cell-Cycle Exit after DNA Damage. <i>Cell Reports</i> , 2020, 33, 108449.	6.4	16
45	DNAJB6b-enriched small extracellular vesicles decrease polyglutamine aggregation in inÂvitro and inÂvivo models of Huntington disease. <i>IScience</i> , 2021, 24, 103282.	4.1	16
46	A cell-type-specific role for murine Commd1 in liver inflammation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 2257-2265.	3.8	15
47	L-Selectin/CD62L Is a Key Driver of Non-Alcoholic Steatohepatitis in Mice and Men. <i>Cells</i> , 2020, 9, 1106.	4.1	15
48	The Progeroid Phenotype of Ku80 Deficiency Is Dominant over DNA-PKCS Deficiency. <i>PLoS ONE</i> , 2014, 9, e93568.	2.5	13
49	C/EBP β -LIP induces cancer-type metabolic reprogramming by regulating the let-7/LIN28B circuit in mice. <i>Communications Biology</i> , 2019, 2, 208.	4.4	13
50	Sox8 and Sox9 act redundantly for ovarian-to-testicular fate reprogramming in the absence of R-spondin1 in mouse sex reversals. <i>ELife</i> , 2020, 9, .	6.0	13
51	Lack of Major Genome Instability in Tumors of p53 Null Rats. <i>PLoS ONE</i> , 2015, 10, e0122066.	2.5	11
52	Ablation of liver Fxr results in an increased colonic mucus barrier in mice. <i>JHEP Reports</i> , 2021, 3, 100344.	4.9	11
53	Intraductal cisplatin treatment in a <i>BRCA</i>-associated breast cancer mouse model attenuates tumor development but leads to systemic tumors in aged female mice. <i>Oncotarget</i> , 2017, 8, 60750-60763.	1.8	11
54	MyD88-dependent signaling in non-parenchymal cells promotes liver carcinogenesis. <i>Carcinogenesis</i> , 2020, 41, 171-181.	2.8	10

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55	NF- κ B p65 serine 467 phosphorylation sensitizes mice to weight gain and TNF α -or diet-induced inflammation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 1785-1798.	4.1	9
56	Atypical E2f functions are critical for pancreas polyploidization. <i>PLoS ONE</i> , 2018, 13, e0190899.	2.5	9
57	Programming effects of an early life diet containing large phospholipid-coated lipid globules are transient under continuous exposure to a high-fat diet. <i>British Journal of Nutrition</i> , 2019, 122, 1321-1328.	2.3	9
58	TEG011 persistence averts extramedullary tumor growth without exerting off-target toxicity against healthy tissues in a humanized HLA-A*24:02 transgenic mice. <i>Journal of Leukocyte Biology</i> , 2020, 107, 1069-1079.	3.3	9
59	Regulation of a progenitor gene program by SOX4 is essential for mammary tumor proliferation. <i>Oncogene</i> , 2021, 40, 6343-6353.	5.9	9
60	LED-phototherapy does not induce oxidative DNA damage in hyperbilirubinemic Gunn rats. <i>Pediatric Research</i> , 2019, 85, 1041-1047.	2.3	7
61	The Beneficial Effects of Apical Sodium-Dependent Bile Acid Transporter Inactivation Depend on Dietary Fat Composition. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e2000750.	3.3	7
62	Modeling Phenotypic Heterogeneity of Glycogen Storage Disease Type 1a Liver Disease in Mice by Somatic CRISPR/CRISPR-associated protein 9-Mediated Gene Editing. <i>Hepatology</i> , 2021, 74, 2491-2507.	7.3	7
63	Oncogenic RAS sensitizes cells to drug-induced replication stress via transcriptional silencing of P53. <i>Oncogene</i> , 2022, 41, 2719-2733.	5.9	7
64	Spontaneous liver disease in wild-type C57BL/6J OlaHsd mice fed semisynthetic diet. <i>PLoS ONE</i> , 2020, 15, e0232069.	2.5	6
65	H2AFZ: A Novel Prognostic Marker in Canine Melanoma and a Predictive Marker for Resistance to CDK4/6 Inhibitor Treatment. <i>Frontiers in Veterinary Science</i> , 2021, 8, 705359.	2.2	6
66	Safety evaluation of conditionally immortalized cells for renal replacement therapy. <i>Oncotarget</i> , 2019, 10, 5332-5348.	1.8	6
67	<i>DYRK1A</i> Is a Regulator of S-Phase Entry in Hepatic Progenitor Cells. <i>Stem Cells and Development</i> , 2018, 27, 133-146.	2.1	5
68	Atypical E2Fs either Counteract or Cooperate with RB during Tumorigenesis Depending on Tissue Context. <i>Cancers</i> , 2021, 13, 2033.	3.7	5
69	Rb and p53 Liver Functions Are Essential for Xenobiotic Metabolism and Tumor Suppression. <i>PLoS ONE</i> , 2016, 11, e0150064.	2.5	5
70	CDC6: A novel canine tumour biomarker detected in circulating extracellular vesicles. <i>Veterinary and Comparative Oncology</i> , 2021, , .	1.8	5
71	Transcriptome analysis suggests a compensatory role of the cofactors coenzyme A and NAD ⁺ in medium-chain acyl-CoA dehydrogenase knockout mice. <i>Scientific Reports</i> , 2019, 9, 14539.	3.3	3
72	Acute systemic loss of Mad2 leads to intestinal atrophy in adult mice. <i>Scientific Reports</i> , 2021, 11, 68.	3.3	3

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73	Adding Help to an HLA-A*24:02 Tumor-Reactive $\hat{1}^{\hat{3}}\hat{1}$ TCR Increases Tumor Control. <i>Frontiers in Immunology</i> , 2021, 12, 752699.	4.8	2
74	Surgical resection and radiofrequency ablation initiate cancer in cytokeratin-19+- liver cells deficient for p53 and Rb. <i>Oncotarget</i> , 2016, 7, 54662-54675.	1.8	1
75	PS3 - 13. Enhanced TNF Signaling in Kupffer Cells is Sufficient to Induce NASH. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2012, 10, 108-108.	0.0	0
76	Spontaneous liver disease in wild-type C57BL/6J $\hat{1}$ OlaHsd mice fed semisynthetic diet. , 2020, 15, e0232069.		0
77	Spontaneous liver disease in wild-type C57BL/6J $\hat{1}$ OlaHsd mice fed semisynthetic diet. , 2020, 15, e0232069.		0
78	Spontaneous liver disease in wild-type C57BL/6J $\hat{1}$ OlaHsd mice fed semisynthetic diet. , 2020, 15, e0232069.		0
79	Spontaneous liver disease in wild-type C57BL/6J $\hat{1}$ OlaHsd mice fed semisynthetic diet. , 2020, 15, e0232069.		0