

Lukas E Dow

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

7,953
citations

81900

39
h-index

88630

70
g-index

80
all docs

80
docs citations

80
times ranked

14472
citing authors

#	ARTICLE	IF	CITATIONS
1	Interleukin-22 promotes intestinal-stem-cell-mediated epithelial regeneration. <i>Nature</i> , 2015, 528, 560-564.	27.8	818
2	Vitamin C selectively kills <i>KRAS</i> and <i>BRAF</i> mutant colorectal cancer cells by targeting GAPDH. <i>Science</i> , 2015, 350, 1391-1396.	12.6	722
3	Apc Restoration Promotes Cellular Differentiation and Reestablishes Crypt Homeostasis in Colorectal Cancer. <i>Cell</i> , 2015, 161, 1539-1552.	28.9	432
4	Inducible in vivo genome editing with CRISPR-Cas9. <i>Nature Biotechnology</i> , 2015, 33, 390-394.	17.5	429
5	Transcriptional plasticity promotes primary and acquired resistance to BET inhibition. <i>Nature</i> , 2015, 525, 543-547.	27.8	414
6	A rectal cancer organoid platform to study individual responses to chemoradiation. <i>Nature Medicine</i> , 2019, 25, 1607-1614.	30.7	320
7	A Rapid and Scalable System for Studying Gene Function in Mice Using Conditional RNA Interference. <i>Cell</i> , 2011, 145, 145-158.	28.9	278
8	Optimized base editors enable efficient editing in cells, organoids and mice. <i>Nature Biotechnology</i> , 2018, 36, 888-893.	17.5	269
9	A Network of PDZ-Containing Proteins Regulates T Cell Polarity and Morphology during Migration and Immunological Synapse Formation. <i>Immunity</i> , 2005, 22, 737-748.	14.3	237
10	Toolkit for evaluating genes required for proliferation and survival using tetracycline-regulated RNAi. <i>Nature Biotechnology</i> , 2011, 29, 79-83.	17.5	235
11	WNT Signaling and Colorectal Cancer. <i>Current Colorectal Cancer Reports</i> , 2017, 13, 101-110.	0.5	222
12	Genetic Liver-Specific AMPK Activation Protects against Diet-Induced Obesity and NAFLD. <i>Cell Reports</i> , 2019, 26, 192-208.e6.	6.4	202
13	Transplantation of engineered organoids enables rapid generation of metastatic mouse models of colorectal cancer. <i>Nature Biotechnology</i> , 2017, 35, 577-582.	17.5	188
14	p53-Dependent Nestin Regulation Links Tumor Suppression to Cellular Plasticity in Liver Cancer. <i>Cell</i> , 2014, 158, 579-592.	28.9	176
15	CRISPR in cancer biology and therapy. <i>Nature Reviews Cancer</i> , 2022, 22, 259-279.	28.4	157
16	SCRIB expression is deregulated in human prostate cancer, and its deficiency in mice promotes prostate neoplasia. <i>Journal of Clinical Investigation</i> , 2011, 121, 4257-4267.	8.2	153
17	A pipeline for the generation of shRNA transgenic mice. <i>Nature Protocols</i> , 2012, 7, 374-393.	12.0	146
18	Adaptable haemodynamic endothelial cells for organogenesis and tumorigenesis. <i>Nature</i> , 2020, 585, 426-432.	27.8	145

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19	Inducible In Vivo Silencing of Brd4 Identifies Potential Toxicities of Sustained BET Protein Inhibition. <i>Cell Reports</i> , 2014, 8, 1919-1929.	6.4	144
20	The Scribble and Par complexes in polarity and migration: friends or foes?. <i>Trends in Cell Biology</i> , 2006, 16, 622-630.	7.9	137
21	Adenine base editing in an adult mouse model of tyrosinaemia. <i>Nature Biomedical Engineering</i> , 2020, 4, 125-130.	22.5	136
22	Dietary fructose improves intestinal cell survival and nutrient absorption. <i>Nature</i> , 2021, 597, 263-267.	27.8	133
23	WNT as a Driver and Dependency in Cancer. <i>Cancer Discovery</i> , 2021, 11, 2413-2429.	9.4	108
24	Polarity Regulators and the Control of Epithelial Architecture, Cell Migration, and Tumorigenesis. <i>International Review of Cytology</i> , 2007, 262, 253-302.	6.2	105
25	hScrib is a functional homologue of the Drosophila tumour suppressor Scribble. <i>Oncogene</i> , 2003, 22, 9225-9230.	5.9	104
26	Adipsin preserves beta cells in diabetic mice and associates with protection from type 2 diabetes in humans. <i>Nature Medicine</i> , 2019, 25, 1739-1747.	30.7	100
27	R-Spondin chromosome rearrangements drive Wnt-dependent tumour initiation and maintenance in the intestine. <i>Nature Communications</i> , 2017, 8, 15945.	12.8	97
28	Modeling Disease In Vivo With CRISPR/Cas9. <i>Trends in Molecular Medicine</i> , 2015, 21, 609-621.	6.7	91
29	Conditional Reverse Tet-Transactivator Mouse Strains for the Efficient Induction of TRE-Regulated Transgenes in Mice. <i>PLoS ONE</i> , 2014, 9, e95236.	2.5	79
30	Chromatin profiles classify castration-resistant prostate cancers suggesting therapeutic targets. <i>Science</i> , 2022, 376, .	12.6	75
31	An <i>In Vivo</i> Kras Allelic Series Reveals Distinct Phenotypes of Common Oncogenic Variants. <i>Cancer Discovery</i> , 2020, 10, 1654-1671.	9.4	71
32	Life in the Fast Lane: Mammalian Disease Models in the Genomics Era. <i>Cell</i> , 2012, 148, 1099-1109.	28.9	70
33	A modular and flexible ESC-based mouse model of pancreatic cancer. <i>Genes and Development</i> , 2014, 28, 85-97.	5.9	70
34	Zonation of Ribosomal DNA Transcription Defines a Stem Cell Hierarchy in Colorectal Cancer. <i>Cell Stem Cell</i> , 2020, 26, 845-861.e12.	11.1	59
35	Exogenous and Endogenous Sources of Serine Contribute to Colon Cancer Metabolism, Growth, and Resistance to 5-Fluorouracil. <i>Cancer Research</i> , 2021, 81, 2275-2288.	0.9	55
36	Distinct Colorectal Cancer-Associated APC Mutations Dictate Response to Tankyrase Inhibition. <i>Cancer Discovery</i> , 2019, 9, 1358-1371.	9.4	54

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37	Pten loss promotes MAPK pathway dependency in HER2/neu breast carcinomas. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3030-3035.	7.1	52
38	Lineage Reversion Drives WNT Independence in Intestinal Cancer. Cancer Discovery, 2020, 10, 1590-1609.	9.4	52
39	Reversible suppression of an essential gene in adult mice using transgenic RNA interference. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7113-7118.	7.1	49
40	Base editing sensor libraries for high-throughput engineering and functional analysis of cancer-associated single nucleotide variants. Nature Biotechnology, 2022, 40, 862-873.	17.5	44
41	Isolation, Culture, and Maintenance of Mouse Intestinal Stem Cells. Bio-protocol, 2016, 6, .	0.4	41
42	<i>In situ</i> CRISPR-Cas9 base editing for the development of genetically engineered mouse models of breast cancer. EMBO Journal, 2020, 39, e102169.	7.8	40
43	Exploiting the Therapeutic Interaction of WNT Pathway Activation and Asparaginase for Colorectal Cancer Therapy. Cancer Discovery, 2020, 10, 1690-1705.	9.4	38
44	Somatic Tissue Engineering in Mouse Models Reveals an Actionable Role for WNT Pathway Alterations in Prostate Cancer Metastasis. Cancer Discovery, 2020, 10, 1038-1057.	9.4	37
45	PIP4Ks Suppress Insulin Signaling through a Catalytic-Independent Mechanism. Cell Reports, 2019, 27, 1991-2001.e5.	6.4	33
46	The Polarity Protein Scribble Regulates Myelination and Remyelination in the Central Nervous System. PLoS Biology, 2015, 13, e1002107.	5.6	31
47	Systemic silencing of Phd2 causes reversible immune regulatory dysfunction. Journal of Clinical Investigation, 2019, 129, 3640-3656.	8.2	30
48	Preclinical murine platform to evaluate therapeutic countermeasures against radiation-induced gastrointestinal syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20672-20678.	7.1	27
49	GO: a functional reporter system to identify and enrich base editing activity. Nucleic Acids Research, 2020, 48, 2841-2852.	14.5	27
50	Variability of Inducible Expression across the Hematopoietic System of Tetracycline Transactivator Transgenic Mice. PLoS ONE, 2013, 8, e54009.	2.5	26
51	Murine Liver Organoids as a Genetically Flexible System to Study Liver Cancer In Vivo and In Vitro. Hepatology Communications, 2019, 3, 423-436.	4.3	25
52	Suppression of eukaryotic initiation factor 4E prevents chemotherapy-induced alopecia. BMC Pharmacology & Toxicology, 2013, 14, 58.	2.4	24
53	Immunofluorescent Staining of Mouse Intestinal Stem Cells. Bio-protocol, 2016, 6, .	0.4	24
54	Modeling Cancer in the CRISPR Era. Annual Review of Cancer Biology, 2018, 2, 111-131.	4.5	15

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55	Base editing the mammalian genome. <i>Methods</i> , 2019, 164-165, 100-108.	3.8	14
56	EpCAM (CD326) Regulates Intestinal Epithelial Integrity and Stem Cells via Rho-Associated Kinase. <i>Cells</i> , 2021, 10, 256.	4.1	9
57	CRISPR: Stressed about p53?. <i>Trends in Molecular Medicine</i> , 2018, 24, 731-733.	6.7	8
58	Generation of focal mutations and large genomic deletions in the pancreas using inducible <i>in vivo</i> genome editing. <i>Carcinogenesis</i> , 2020, 41, 334-344.	2.8	7
59	Detection of Marker-Free Precision Genome Editing and Genetic Variation through the Capture of Genomic Signatures. <i>Cell Reports</i> , 2020, 30, 3280-3295.e6.	6.4	7
60	KRAS mutant rectal cancer cells interact with surrounding fibroblasts to deplete the extracellular matrix. <i>Molecular Oncology</i> , 2021, 15, 2766-2781.	4.6	7
61	Three-dimensional growth of breast cancer cells potentiates the anti-tumor effects of unacylated ghrelin and AZP-531. <i>ELife</i> , 2020, 9, .	6.0	7
62	Creating Transgenic shRNA Mice by Recombinase-Mediated Cassette Exchange. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.prot077057.	0.3	6
63	Tankyrase inhibition sensitizes cells to CDK4 blockade. <i>PLoS ONE</i> , 2019, 14, e0226645.	2.5	6
64	Inducible hepatic expression of CREBH mitigates diet-induced obesity, insulin resistance, and hepatic steatosis in mice. <i>Journal of Biological Chemistry</i> , 2021, 297, 100815.	3.4	6
65	Mitochondrial Ndufa4l2 Enhances Deposition of Lipids and Expression of Ca9 in the TRACK Model of Early Clear Cell Renal Cell Carcinoma. <i>Frontiers in Oncology</i> , 2021, 11, 783856.	2.8	6
66	RB depletion is required for the continuous growth of tumors initiated by loss of RB. <i>PLoS Genetics</i> , 2021, 17, e1009941.	3.5	6
67	A preclinical platform for assessing antitumor effects and systemic toxicities of cancer drug targets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2110557119.	7.1	5
68	Revealing ARID1A Function in Gastric Cancer from the Bottom Up. <i>Cancer Discovery</i> , 2021, 11, 1327-1329.	9.4	3
69	Somatic Genome Editing Goes Viral. <i>Trends in Molecular Medicine</i> , 2016, 22, 831-833.	6.7	2
70	Engineering chromosome rearrangements in cancer. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	2.4	2
71	Base editing goes into hyperdrive. <i>Nature Cell Biology</i> , 2020, 22, 617-618.	10.3	0
72	Tankyrase inhibition sensitizes cells to CDK4 blockade. , 2019, 14, e0226645.		0

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73	Tankyrase inhibition sensitizes cells to CDK4 blockade. , 2019, 14, e0226645.		0
74	Tankyrase inhibition sensitizes cells to CDK4 blockade. , 2019, 14, e0226645.		0
75	Tankyrase inhibition sensitizes cells to CDK4 blockade. , 2019, 14, e0226645.		0