Calvin J Kuo

List of Publications by Year
in descending order

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102 papers	18,077 citations	24978 57 h-index	34900 98 g-index
111 all docs	111 docs citations	111 times ranked	25865 citing authors

#	Article	IF	Citations
1	Targeted replacement of full-length CFTR in human airway stem cells by CRISPR-Cas9 for pan-mutation correction in the endogenous locus. Molecular Therapy, 2022, 30, 223-237.	3.7	24
2	Immune organoids: from tumor modeling to precision oncology. Trends in Cancer, 2022, 8, 870-880.	3.8	16
3	Targeting colorectal cancer with small-molecule inhibitors of ALDH1B1. Nature Chemical Biology, 2022, 18, 1065-1075.	3.9	17
4	An expanded universe of cancer targets. Cell, 2021, 184, 1142-1155.	13.5	135
5	Nanoparticle-enabled innate immune stimulation activates endogenous tumor-infiltrating T cells with broad antigen specificities. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	14
6	Abstract 123: A CRISPR/Cas9-engineered ARID1A-deficient human gastric cancer organoid model reveals essential and non-essential modes of oncogenic transformation. , 2021, , .		1
7	Treatment-induced arteriolar revascularization and miR-126 enhancement in bone marrow niche protect leukemic stem cells in AML. Journal of Hematology and Oncology, 2021, 14, 122.	6.9	13
8	A CRISPR/Cas9-Engineered ARID1A-Deficient Human Gastric Cancer Organoid Model Reveals Essential and Nonessential Modes of Oncogenic Transformation. Cancer Discovery, 2021, 11, 1562-1581.	7.7	75
9	Modeling human adaptive immune responses with tonsil organoids. Nature Medicine, 2021, 27, 125-135.	15.2	133
10	High-resolution positron emission microscopy of patient-derived tumor organoids. Nature Communications, 2021, 12, 5883.	5.8	7
11	CHK1 protects oncogenic KRAS-expressing cells from DNA damage and is a target for pancreatic cancer treatment. Cell Reports, 2021, 37, 110060.	2.9	14
12	Cancer stem cells: advances in biology and clinical translationâ€"a Keystone Symposia report. Annals of the New York Academy of Sciences, 2021, 1506, 142-163.	1.8	8
13	Organoids as Oracles for Precision Medicine in Rectal Cancer. Cell Stem Cell, 2020, 26, 4-6.	5.2	11
14	Surrogate R-spondins for tissue-specific potentiation of Wnt Signaling. PLoS ONE, 2020, 15, e0226928.	1.1	15
15	High-Efficiency, Selection-free Gene Repair in Airway Stem Cells from Cystic Fibrosis Patients Rescues CFTR Function in Differentiated Epithelia. Cell Stem Cell, 2020, 26, 161-171.e4.	5.2	97
16	Next-Generation Surrogate Wnts Support Organoid Growth and Deconvolute Frizzled Pleiotropy InÂVivo. Cell Stem Cell, 2020, 27, 840-851.e6.	5.2	84
17	Immune receptor inhibition through enforced phosphatase recruitment. Nature, 2020, 586, 779-784.	13.7	59
18	Applications of organoids for cancer biology and precision medicine. Nature Cancer, 2020, 1, 761-773.	5.7	93

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19	Progenitor identification and SARS-CoV-2 infection in human distal lung organoids. Nature, 2020, 588, 670-675.	13.7	273
20	Integrated genomic characterization of ERBB2/HER2 alterations in invasive breast carcinoma: a focus on unusual FISH groups. Modern Pathology, 2020, 33, 1546-1556.	2.9	12
21	CRISPR screens in cancer spheroids identify 3D growth-specific vulnerabilities. Nature, 2020, 580, 136-141.	13.7	203
22	Organoid Models of Tumor Immunology. Trends in Immunology, 2020, 41, 652-664.	2.9	210
23	Retinoic Acid and Lymphotoxin Signaling Promote Differentiation of Human Intestinal M Cells. Gastroenterology, 2020, 159, 214-226.e1.	0.6	35
24	Development of a miniaturized 3D organoid culture platform for ultra-high-throughput screening. Journal of Molecular Cell Biology, 2020, 12, 630-643.	1.5	61
25	Engineered materials for organoid systems. Nature Reviews Materials, 2019, 4, 606-622.	23.3	251
26	Inhibition of VEGF (Vascular Endothelial Growth Factor)-A or its Receptor Activity Suppresses Experimental Aneurysm Progression in the Aortic Elastase Infusion Model. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1652-1666.	1.1	48
27	HAT1 Coordinates Histone Production and Acetylation via H4 Promoter Binding. Molecular Cell, 2019, 75, 711-724.e5.	4.5	55
28	Human Intestinal Enteroids Model MHC-II in the Gut Epithelium. Frontiers in Immunology, 2019, 10, 1970.	2.2	24
29	RECK in Neural Precursor Cells Plays a Critical Role in Mouse Forebrain Angiogenesis. IScience, 2019, 19, 559-571.	1.9	11
30	Receptor subtype discrimination using extensive shape complementary designed interfaces. Nature Structural and Molecular Biology, 2019, 26, 407-414.	3.6	36
31	Controlling Epithelial Polarity: A Human Enteroid Model for Host-Pathogen Interactions. Cell Reports, 2019, 26, 2509-2520.e4.	2.9	316
32	Introduction to themed series on intestinal stem cells and the NIDDK Intestinal Stem Cell Consortium. American Journal of Physiology - Renal Physiology, 2019, 316, G247-G250.	1.6	0
33	Bone marrow niche trafficking of miR-126 controls the self-renewal of leukemia stem cells in chronic myelogenous leukemia. Nature Medicine, 2018, 24, 450-462.	15.2	123
34	STAG2 deficiency induces interferon responses via cGAS-STING pathway and restricts virus infection. Nature Communications, 2018, 9, 1485.	5.8	68
35	Organoid Modeling of the Tumor Immune Microenvironment. Cell, 2018, 175, 1972-1988.e16.	13.5	870
36	Reserve Stem Cells in Intestinal Homeostasis and Injury. Gastroenterology, 2018, 155, 1348-1361.	0.6	118

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37	A RECK-WNT7 Receptor-Ligand Interaction Enables Isoform-Specific Regulation of Wnt Bioavailability. Cell Reports, 2018, 25, 339-349.e9.	2.9	65
38	The Intestinal Stem Cell Niche: Homeostasis and Adaptations. Trends in Cell Biology, 2018, 28, 1062-1078.	3.6	165
39	Expression of specific inflammasome gene modules stratifies older individuals into two extreme clinical and immunological states. Nature Medicine, 2017, 23, 174-184.	15.2	304
40	Surrogate Wnt agonists that phenocopy canonical Wnt and Î²-catenin signalling. Nature, 2017, 545, 234-237.	13.7	264
41	Non-equivalence of Wnt and R-spondin ligands during Lgr5+ intestinal stem-cell self-renewal. Nature, 2017, 545, 238-242.	13.7	327
42	Gpr124 is essential for bloodâ€“brain barrier integrity in central nervous system disease. Nature Medicine, 2017, 23, 450-460.	15.2	177
43	Organoids lead the cancer attack. Nature Medicine, 2017, 23, 1399-1400.	15.2	2
44	Intestinal Enteroendocrine Lineage Cells Possess Homeostatic and Injury-Inducible Stem Cell Activity. Cell Stem Cell, 2017, 21, 78-90.e6.	5.2	280
45	Linked read sequencing resolves complex genomic rearrangements in gastric cancer metastases. Genome Medicine, 2017, 9, 57.	3.6	56
46	Relief of hypoxia by angiogenesis promotes neural stem cell differentiation by targeting glycolysis. EMBO Journal, 2016, 35, 924-941.	3.5	161
47	Wnt pathway regulation of intestinal stem cells. Journal of Physiology, 2016, 594, 4837-4847.	1.3	97
48	Home Sweet Home: a Foxl1+ Mesenchymal Niche for Intestinal Stem Cells. Cellular and Molecular Gastroenterology and Hepatology, 2016, 2, 116-117.	2.3	4
49	KrÃ¼ppel-like Factor 4 Modulates Development of BMI1+ Intestinal Stem Cell-Derived Lineage Following Î³-Radiation-Induced Gut Injury in Mice. Stem Cell Reports, 2016, 6, 815-824.	2.3	27
50	The Wnt7's Tale: A story of an orphan who finds her tie to a famous family. Cancer Science, 2016, 107, 576-582.	1.7	22
51	An Airâ€“Liquid Interface Culture System for 3D Organoid Culture of Diverse Primary Gastrointestinal Tissues. Methods in Molecular Biology, 2016, 1422, 33-40.	0.4	69
52	Oligodendrocyte precursors migrate along vasculature in the developing nervous system. Science, 2016, 351, 379-384.	6.0	319
53	Organoids as Models for Neoplastic Transformation. Annual Review of Pathology: Mechanisms of Disease, 2016, 11, 199-220.	9.6	64
54	Novel Tia Biomarkers Identified by Mass Spectrometry-Based Proteomics. International Journal of Stroke, 2015, 10, 1204-1211.	2.9	25

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55	Ascl2 Reinforces Intestinal Stem Cell Identity. Cell Stem Cell, 2015, 16, 105-106.	5.2	13
56	Toward recreating colon cancer in human organoids. Nature Medicine, 2015, 21, 215-216.	15.2	19
57	Organoid modeling for cancer precision medicine. Genome Medicine, 2015, 7, 32.	3.6	32
58	Personalizing pancreatic cancer organoids with hPSCs. Nature Medicine, 2015, 21, 1249-1251.	15.2	14
59	Fluorescence Imaging In Vivo at Wavelengths beyond 1500â€...nm. Angewandte Chemie - International Edition, 2015, 54, 14758-14762.	7.2	310
60	Chemodetection and Destruction of Host Urea Allows Helicobacter pylori to Locate the Epithelium. Cell Host and Microbe, 2015, 18, 147-156.	5.1	141
61	Developmental and pathological angiogenesis in the central nervous system. Cellular and Molecular Life Sciences, 2014, 71, 3489-3506.	2.4	93
62	Engineering of three-dimensional microenvironments to promote contractile behavior in primary intestinal organoids. Integrative Biology (United Kingdom), 2014, 6, 127-142.	0.6	65
63	Oncogenic transformation of diverse gastrointestinal tissues in primary organoid culture. Nature Medicine, 2014, 20, 769-777.	15.2	349
64	Through-skull fluorescence imaging of the brain in a new near-infrared window. Nature Photonics, 2014, 8, 723-730.	15.6	829
65	Metastatic tumor evolution and organoid modeling implicate TGFBR2as a cancer driver in diffuse gastric cancer. Genome Biology, 2014, 15, 428.	3.8	110
66	Cross-talk between hypoxia and insulin signaling through Phd3 regulates hepatic glucose and lipid metabolism and ameliorates diabetes. Nature Medicine, 2013, 19, 1325-1330.	15.2	125
67	A liver Hif-2Î±â€“Irs2 pathway sensitizes hepatic insulin signaling and is modulated by Vegf inhibition. Nature Medicine, 2013, 19, 1331-1337.	15.2	90
68	Restriction of intestinal stem cell expansion and the regenerative response by YAP. Nature, 2013, 493, 106-110.	13.7	463
69	A multicenter study to standardize reporting and analyses of fluorescence-activated cell-sorted murine intestinal epithelial cells. American Journal of Physiology - Renal Physiology, 2013, 305, G542-G551.	1.6	29
70	Oocyteâ€derived Râ€spondin2 promotes ovarian follicle development. FASEB Journal, 2013, 27, 2175-2184.	0.2	47
71	The intestinal stem cell markers Bmi1 and Lgr5 identify two functionally distinct populations. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 466-471.	3.3	683
72	Reversible cell-cycle entry in adult kidney podocytes through regulated control of telomerase and Wnt signaling. Nature Medicine, 2012, 18, 111-119.	15.2	103

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73	Î²-Catenin-Driven Cancers Require a YAP1 Transcriptional Complex for Survival and Tumorigenesis. Cell, 2012, 151, 1457-1473.	13.5	647
74	G Protein-Coupled Receptor 124 (GPR124) Gene Polymorphisms and Risk of Brain Arteriovenous Malformation. Translational Stroke Research, 2012, 3, 418-427.	2.3	17
75	Maintenance Bevacizumab is Associated With Increased Hemoglobin in Patients With Advanced, Nonsquamous, Non-Small Cell Lung Cancer. Cancer Investigation, 2012, 30, 231-235.	0.6	3
76	A nomenclature for intestinal in vitro cultures. American Journal of Physiology - Renal Physiology, 2012, 302, G1359-G1363.	1.6	171
77	Regulation of self-renewal and differentiation by the intestinal stem cell niche. Cellular and Molecular Life Sciences, 2011, 68, 2513-2523.	2.4	156
78	Essential Regulation of CNS Angiogenesis by the Orphan G Proteinâ€“Coupled Receptor GPR124. Science, 2010, 330, 985-989.	6.0	247
79	Sustained in vitro intestinal epithelial culture within a Wnt-dependent stem cell niche. Nature Medicine, 2009, 15, 701-706.	15.2	760
80	Wnt/Î²-catenin signaling is required for CNS, but not non-CNS, angiogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 641-646.	3.3	624
81	Increased Hemoglobin Associated with VEGF Inhibitors in Advanced Renal Cell Carcinoma. Cancer Investigation, 2009, 27, 851-856.	0.6	17
82	Recombinant adenovirus as a methodology for exploration of physiologic functions of growth factor pathways. Journal of Molecular Medicine, 2008, 86, 161-169.	1.7	16
83	Developmental Angiogenesis of the Central Nervous System. Lymphatic Research and Biology, 2008, 6, 173-180.	0.5	74
84	Use of R-spondin1, An Intestinotrophic Mitogen, in the Treatment of Murine Graft-Versus-Host Disease. Blood, 2008, 112, 3520-3520.	0.6	0
85	Systemic VEGF Inhibition Induces Hepatic EPO Production and Erythrocytosis Via HIF-2a-Dependent and -Independent Mechanisms. Blood, 2008, 112, 482-482.	0.6	0
86	Increased Hemoglobin Associated with VEGF Inhibitors in Advanced Renal Cell Carcinoma. Blood, 2008, 112, 3453-3453.	0.6	0
87	Augmented Wnt Signaling in a Mammalian Model of Accelerated Aging. Science, 2007, 317, 803-806.	6.0	683
88	Increased Wnt Signaling During Aging Alters Muscle Stem Cell Fate and Increases Fibrosis. Science, 2007, 317, 807-810.	6.0	1,321
89	Apc Tumor Suppressor Gene Is the â€œZonation-Keeperâ€•of Mouse Liver. Developmental Cell, 2006, 10, 759-770.	3.1	460
90	VEGF modulates erythropoiesis through regulation of adult hepatic erythropoietin synthesis. Nature Medicine, 2006, 12, 793-800.	15.2	148

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91	VEGF-dependent plasticity of fenestrated capillaries in the normal adult microvasculature. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H560-H576.	1.5	687
92	Cellular changes in normal blood capillaries undergoing regression after inhibition of VEGF signaling. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H547-H559.	1.5	332
93	Cotargeting tumor and tumor endothelium effectively inhibits the growth of human prostate cancer in adenovirus-mediated antiangiogenesis and oncolysis combination therapy. Cancer Gene Therapy, 2005, 12, 257-267.	2.2	30
94	Adenoviral Gene Transfer With Soluble Vascular Endothelial Growth Factor Receptors Impairs Angiogenesis and Perfusion in a Murine Model of Hindlimb Ischemia. Circulation, 2004, 110, 2424-2429.	1.6	75
95	Essential requirement for Wnt signaling in proliferation of adult small intestine and colon revealed by adenoviral expression of Dickkopf-1. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 266-271.	3.3	560
96	Hypoxia-Independent Regulation of Hepatic Erythropoietin Production by Vascular Endothelial Growth Factor.. Blood, 2004, 104, 2163-2163.	0.6	2
97	Gene Therapy of Prostate Cancer with the Soluble Vascular Endothelial Growth Factor Receptor Fk1. Cancer Biology and Therapy, 2002, 1, 548-553.	1.5	39
98	Adenovirus-mediated delivery of a soluble form of the VEGF receptor Flk1 delays the growth of murine and human pancreatic adenocarcinoma in mice. Surgery, 2002, 132, 857-865.	1.0	45
99	The Nc1/Endostatin Domain of Caenorhabditis elegans Type Xviii Collagen Affects Cell Migration and Axon Guidance. Journal of Cell Biology, 2001, 152, 1219-1232.	2.3	156
100	Oligomerization-Dependent Regulation of Motility and Morphogenesis by the Collagen Xviii Nc1/Endostatin Domain. Journal of Cell Biology, 2001, 152, 1233-1246.	2.3	151
101	A transcriptional hierarchy involved in mammalian cell-type specification. Nature, 1992, 355, 457-461.	13.7	419
102	Rapamycin selectively inhibits interleukin-2 activation of p70 S6 kinase. Nature, 1992, 358, 70-73.	13.7	612