Colin Nixon

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6264555/publications.pdf

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35 papers	2,211 citations	394421 19 h-index	361022 35 g-index
39 all docs	39 docs citations	39 times ranked	3995 citing authors

#	Article	IF	Citations
1	Epithelial NOTCH Signaling Rewires the Tumor Microenvironment of Colorectal Cancer to Drive Poor-Prognosis Subtypes and Metastasis. Cancer Cell, 2019, 36, 319-336.e7.	16.8	278
2	Improving the metabolic fidelity of cancer models with a physiological cell culture medium. Science Advances, 2019, 5, eaau7314.	10.3	249
3	Mitochondria-to-nucleus retrograde signaling drives formation of cytoplasmic chromatin and inflammation in senescence. Genes and Development, 2020, 34, 428-445.	5.9	188
4	TGFÎ² inhibition restores a regenerative response in acute liver injury by suppressing paracrine senescence. Science Translational Medicine, 2018, 10, .	12.4	161
5	TIGAR Is Required for Efficient Intestinal Regeneration and Tumorigenesis. Developmental Cell, 2013, 25, 463-477.	7.0	154
6	NOTUM from Apc-mutant cells biases clonal competition to initiate cancer. Nature, 2021, 594, 430-435.	27.8	122
7	The amino acid transporter SLC7A5 is required for efficient growth of KRAS-mutant colorectal cancer. Nature Genetics, 2021, 53, 16-26.	21.4	114
8	2,4-dienoyl-CoA reductase regulates lipid homeostasis in treatment-resistant prostate cancer. Nature Communications, 2020, 11, 2508.	12.8	108
9	Repression of the Type I Interferon Pathway Underlies MYC- and KRAS-Dependent Evasion of NK and B Cells in Pancreatic Ductal Adenocarcinoma. Cancer Discovery, 2020, 10, 872-887.	9.4	102
10	Opposing effects of TIGAR- and RAC1-derived ROS on Wnt-driven proliferation in the mouse intestine. Genes and Development, 2016, 30, 52-63.	5.9	87
11	Targeting the Metabolic Response to Statin-Mediated Oxidative Stress Produces a Synergistic Antitumor Response. Cancer Research, 2020, 80, 175-188.	0.9	83
12	The ERBB network facilitates KRAS-driven lung tumorigenesis. Science Translational Medicine, 2018, 10, .	12.4	82
13	Loss of BCL9/9l suppresses Wnt driven tumourigenesis in models that recapitulate human cancer. Nature Communications, 2019, 10, 723.	12.8	64
14	Wnt ligands influence tumour initiation by controlling the number of intestinal stem cells. Nature Communications, 2018, 9, 1132.	12.8	63
15	TGFÎ² pathway limits dedifferentiation following WNT and MAPK pathway activation to suppress intestinal tumourigenesis. Cell Death and Differentiation, 2017, 24, 1681-1693.	11.2	48
16	Oncogenic BRAF, unrestrained by TGFÎ²-receptor signalling, drives right-sided colonic tumorigenesis. Nature Communications, 2021, 12, 3464.	12.8	33
17	ULK1 inhibition promotes oxidative stressâ€“induced differentiation and sensitizes leukemic stem cells to targeted therapy. Science Translational Medicine, 2021, 13, eabd5016.	12.4	26
18	Specificity and off-target effects of AAV8-TBG viral vectors for the manipulation of hepatocellular gene expression in mice. Biology Open, 2021, 10, .	1.2	26

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19	Autophagy suppresses the formation of hepatocyte-derived cancer-initiating ductular progenitor cells in the liver. Science Advances, 2021, 7, .	10.3	24
20	Proline synthesis through PYCR1 is required to support cancer cell proliferation and survival in oxygen-limiting conditions. Cell Reports, 2022, 38, 110320.	6.4	23
21	RAC1B modulates intestinal tumourigenesis via modulation of WNT and EGFR signalling pathways. Nature Communications, 2021, 12, 2335.	12.8	20
22	SLFN5 Regulates LAT1-Mediated mTOR Activation in Castration-Resistant Prostate Cancer. Cancer Research, 2021, 81, 3664-3678.	0.9	19
23	Notch-IGF1 signaling during liver regeneration drives biliary epithelial cell expansion and inhibits hepatocyte differentiation. Science Signaling, 2021, 14, .	3.6	17
24	c-Rel orchestrates energy-dependent epithelial and macrophage reprogramming in fibrosis. Nature Metabolism, 2020, 2, 1350-1367.	11.9	16
25	p53-mediated redox control promotes liver regeneration and maintains liver function in response to CCl4. Cell Death and Differentiation, 2022, 29, 514-526.	11.2	13
26	THEM6â€mediated reprogramming of lipid metabolism supports treatment resistance in prostate cancer. EMBO Molecular Medicine, 2022, 14, e14764.	6.9	12
27	Microfilaria-dependent thoracic pathology associated with eosinophilic and fibrotic polyps in filaria-infected rodents. Parasites and Vectors, 2020, 13, 551.	2.5	11
28	A RAC-GEF network critical for early intestinal tumourigenesis. Nature Communications, 2021, 12, 56.	12.8	11
29	Quantitative in vivo bioluminescence imaging of orthotopic patient-derived glioblastoma xenografts. Scientific Reports, 2020, 10, 15361.	3.3	10
30	Loss of autophagy affects melanoma development in a manner dependent on PTEN status. Cell Death and Differentiation, 2021, 28, 1437-1439.	11.2	10
31	Increased apoptotic sensitivity of glioblastoma enables therapeutic targeting by BH3-mimetics. Cell Death and Differentiation, 2022, 29, 2089-2104.	11.2	10
32	The RAC1 Target NCKAP1 Plays a Crucial Role in the Progression of Braf;Pten-Driven Melanoma in Mice. Journal of Investigative Dermatology, 2021, 141, 628-637.e15.	0.7	8
33	Differential requirements for MDM2 E3 activity during embryogenesis and in adult mice. Genes and Development, 2021, 35, 117-132.	5.9	6
34	Glycan degradation promotes macroautophagy. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	6
35	A noninvasive iRFP713 p53 reporter reveals dynamic p53 activity in response to irradiation and liver regeneration in vivo. Science Signaling, 2022, 15, eabd9099.	3.6	4