

Neil Ashley

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

3,232
citations

236925

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361022

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all docs

39
docs citations

39
times ranked

6079
citing authors

#	ARTICLE	IF	CITATIONS
1	Colonic epithelial cell diversity in health and inflammatory bowel disease. <i>Nature</i> , 2019, 567, 49-55.	27.8	486
2	Structural Remodeling of the Human Colonic Mesenchyme in Inflammatory Bowel Disease. <i>Cell</i> , 2018, 175, 372-386.e17.	28.9	454
3	Single-cell transcriptomics uncovers distinct molecular signatures of stem cells in chronic myeloid leukemia. <i>Nature Medicine</i> , 2017, 23, 692-702.	30.7	336
4	Spatiotemporal analysis of human intestinal development at single-cell resolution. <i>Cell</i> , 2021, 184, 810-826.e23.	28.9	263
5	Twinkle helicase is essential for mtDNA maintenance and regulates mtDNA copy number. <i>Human Molecular Genetics</i> , 2004, 13, 3219-3227.	2.9	202
6	Detection of mitochondrial DNA depletion in living human cells using PicoGreen staining. <i>Experimental Cell Research</i> , 2005, 303, 432-446.	2.6	146
7	Single-cell profiling of human megakaryocyte-erythroid progenitors identifies distinct megakaryocyte and erythroid differentiation pathways. <i>Genome Biology</i> , 2016, 17, 83.	8.8	124
8	An immunodominant NP105â€“113-B*07:02 cytotoxic T cell response controls viral replication and is associated with less severe COVID-19 disease. <i>Nature Immunology</i> , 2022, 23, 50-61.	14.5	110
9	Mitochondrial DNA is a direct target of anti-cancer anthracycline drugs. <i>Biochemical and Biophysical Research Communications</i> , 2009, 378, 450-455.	2.1	109
10	Dysregulated mitophagy and mitochondrial organization in optic atrophy due to <i>OPA1</i> mutations. <i>Neurology</i> , 2017, 88, 131-142.	1.1	81
11	Myofibroblasts are distinguished from activated skin fibroblasts by the expression of AOC3 and other associated markers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2162-71.	7.1	73
12	Separation of cancer cells from white blood cells by pinched flow fractionation. <i>Lab on A Chip</i> , 2015, 15, 4598-4606.	6.0	66
13	Ezh2 and Runx1 Mutations Collaborate to Initiate Lympho-Myeloid Leukemia in Early Thymic Progenitors. <i>Cancer Cell</i> , 2018, 33, 274-291.e8.	16.8	58
14	Paracrine signalling by cardiac calcitonin controls atrial fibrogenesis and arrhythmia. <i>Nature</i> , 2020, 587, 460-465.	27.8	55
15	Depletion of mitochondrial DNA in fibroblast cultures from patients with POLG1 mutations is a consequence of catalytic mutations. <i>Human Molecular Genetics</i> , 2008, 17, 2496-2506.	2.9	54
16	Clinical, biochemical, cellular and molecular characterization of mitochondrial DNA depletion syndrome due to novel mutations in the MPV17 gene. <i>European Journal of Human Genetics</i> , 2014, 22, 184-191.	2.8	52
17	Liver mtDNA content increases during development: A comparison of methods and the importance of age- and tissue-specific controls for the diagnosis of mtDNA depletion. <i>Mitochondrion</i> , 2007, 7, 386-395.	3.4	51
18	Defects in maintenance of mitochondrial DNA are associated with intramitochondrial nucleotide imbalances. <i>Human Molecular Genetics</i> , 2007, 16, 1400-1411.	2.9	50

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19	The developing mouse coronal suture at single-cell resolution. <i>Nature Communications</i> , 2021, 12, 4797.	12.8	48
20	Anticancer DNA intercalators cause p53-dependent mitochondrial DNA nucleoid re-modelling. <i>Oncogene</i> , 2009, 28, 3880-3891.	5.9	47
21	Transcriptomic profiling of the myeloma bone-lining niche reveals BMP signalling inhibition to improve bone disease. <i>Nature Communications</i> , 2019, 10, 4533.	12.8	46
22	Hepcidin is regulated by promoter-associated histone acetylation and HDAC3. <i>Nature Communications</i> , 2017, 8, 403.	12.8	45
23	Stem Cell Differentiation and Lumen Formation in Colorectal Cancer Cell Lines and Primary Tumors. <i>Cancer Research</i> , 2013, 73, 5798-5809.	0.9	41
24	Multi-Modal Characterization of Monocytes in Idiopathic Pulmonary Fibrosis Reveals a Primed Type I Interferon Immune Phenotype. <i>Frontiers in Immunology</i> , 2021, 12, 623430.	4.8	34
25	Rapidly derived colorectal cancer cultures recapitulate parental cancer characteristics and enable personalized therapeutic assays. <i>Journal of Pathology</i> , 2014, 234, 34-45.	4.5	31
26	Regulation of intestinal cancer stem cells. <i>Cancer Letters</i> , 2013, 338, 120-126.	7.2	25
27	Heterogeneous disease-propagating stem cells in juvenile myelomonocytic leukemia. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	25
28	Relationship between genome and epigenome - challenges and requirements for future research. <i>BMC Genomics</i> , 2014, 15, 487.	2.8	24
29	Single-cell analysis of bone marrow-derived CD34+ cells from children with sickle cell disease and thalassemia. <i>Blood</i> , 2019, 134, 2111-2115.	1.4	21
30	Invasive Salmonella exploits divergent immune evasion strategies in infected and bystander dendritic cell subsets. <i>Nature Communications</i> , 2018, 9, 4883.	12.8	19
31	Single-molecule DNA-mapping and whole-genome sequencing of individual cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11192-11197.	7.1	18
32	Sequencing of human genomes extracted from single cancer cells isolated in a valveless microfluidic device. <i>Lab on A Chip</i> , 2018, 18, 1891-1902.	6.0	13
33	Single-cell assessment of transcriptome alterations induced by Scriptaid in early differentiated human haematopoietic progenitors during ex vivo expansion. <i>Scientific Reports</i> , 2019, 9, 5300.	3.3	10
34	Cellular polarity modulates drug resistance in primary colorectal cancers via orientation of the multidrug resistance protein ABCB1. <i>Journal of Pathology</i> , 2019, 247, 293-304.	4.5	9
35	Does osteogenic potential of clonal human bone marrow mesenchymal stem/stromal cells correlate with their vascular supportive ability?. <i>Stem Cell Research and Therapy</i> , 2018, 9, 351.	5.5	6
36	Depletion of mitochondrial DNA in fibroblast cultures from patients with POLG1 mutations is a consequence of catalytic mutations. <i>Human Molecular Genetics</i> , 2009, 18, 4905-4906.	2.9	0

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37	Ezh2 and Runx1 Mutations Targeted to Early Lymphoid Progenitors Collaborate to Promote Early Thymic Progenitor Leukemia. Blood, 2015, 126, 846-846.	1.4	0