Michael F Clarke

List of Publications by Year
in descending order

63 papers	42,948 citations	70961 41 h-index	133063 59 g-index
70 all docs	70 docs citations	70 times ranked	37765 citing authors

#	Article	IF	Citations
1	Prospective identification of tumorigenic breast cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3983-3988.	3.3	9,314
2	Stem cells, cancer, and cancer stem cells. Nature, 2001, 414, 105-111.	13.7	8,665
3	Identification of Pancreatic Cancer Stem Cells. Cancer Research, 2007, 67, 1030-1037.	0.4	3,017
4	Association of reactive oxygen species levels and radioresistance in cancer stem cells. Nature, 2009, 458, 780-783.	13.7	2,232
5	Phenotypic characterization of human colorectal cancer stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10158-10163.	3.3	1,961
6	Bmi-1 is required for maintenance of adult self-renewing haematopoietic stem cells. Nature, 2003, 423, 302-305.	13.7	1,768
7	Applying the principles of stem-cell biology to cancer. Nature Reviews Cancer, 2003, 3, 895-902.	12.8	1,516
8	Bmi-1 dependence distinguishes neural stem cell self-renewal from progenitor proliferation. Nature, 2003, 425, 962-967.	13.7	1,217
9	Cancer Stem Cells: Models and Concepts. Annual Review of Medicine, 2007, 58, 267-284.	5.0	1,184
10	Downregulation of miRNA-200c Links Breast Cancer Stem Cells with Normal Stem Cells. Cell, 2009, 138, 592-603.	13.5	1,130
11	The Biology of Cancer Stem Cells. Annual Review of Cell and Developmental Biology, 2007, 23, 675-699.	4.0	943
12	The Prognostic Role of a Gene Signature from Tumorigenic Breast-Cancer Cells. New England Journal of Medicine, 2007, 356, 217-226.	13.9	924
13	Stem Cells and Cancer: Two Faces of Eve. Cell, 2006, 124, 1111-1115.	13.5	860
14	Single-cell dissection of transcriptional heterogeneity in human colon tumors. Nature Biotechnology, 2011, 29, 1120-1127.	9.4	658
15	Single-cell transcriptional diversity is a hallmark of developmental potential. Science, 2020, 367, 405-411.	6.0	557
16	Colorectal Cancer Stem Cells Are Enriched in Xenogeneic Tumors Following Chemotherapy. PLoS ONE, 2008, 3, e2428.	1.1	509
17	Cancer stem cells from human breast tumors are involved in spontaneous metastases in orthotopic mouse models. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18115-18120.	3.3	408
18	Isolation and Molecular Characterization of Cancer Stem Cells in MMTV-<i>Wnt-1</i> Murine Breast Tumors. Stem Cells, 2008, 26, 364-371.	1.4	262

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19	Dysregulated gene expression networks in human acute myelogenous leukemia stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3396-3401.	3.3	253
20	Clinical and Therapeutic Implications of Cancer Stem Cells. New England Journal of Medicine, 2019, 380, 2237-2245.	13.9	234
21	Identification of a cKit+ Colonic Crypt Base Secretory Cell That Supports Lgr5+ Stem Cells in Mice. Gastroenterology, 2012, 142, 1195-1205.e6.	0.6	222
22	Colorectal Cancer Liver Metastasis: Evolving Paradigms and Future Directions. Cellular and Molecular Gastroenterology and Hepatology, 2017, 3, 163-173.	2.3	220
23	Recent advances in cancer stem cells. Current Opinion in Genetics and Development, 2008, 18, 48-53.	1.5	213
24	Differential gene expression profiling of adult murine hematopoietic stem cells. Blood, 2002, 99, 488-498.	0.6	168
25	A CD47-associated super-enhancer links pro-inflammatory signalling to CD47 upregulation in breast cancer. Nature Communications, 2017, 8, 14802.	5.8	168
26	Long-term haematopoietic reconstitution by Trp53-/-p16Ink4a-/-p19Arf-/- multipotent progenitors. Nature, 2008, 453, 228-232.	13.7	155
27	miR-142 regulates the tumorigenicity of human breast cancer stem cells through the canonical WNT signaling pathway. ELife, 2014, 3, .	2.8	153
28	Intravital multiphoton imaging reveals multicellular streaming as a crucial component of in vivo cell migration in human breast tumors. Intravital, 2013, 2, e25294.	2.0	136
29	Therapeutic Implications of the Cancer Stem Cell Hypothesis. Seminars in Radiation Oncology, 2009, 19, 78-86.	1.0	130
30	Usp16 contributes to somatic stem-cell defects in Downâ€™s syndrome. Nature, 2013, 501, 380-384.	13.7	112
31	A cell-intrinsic role for TLR2â€“MYD88 in intestinal and breast epithelia and oncogenesis. Nature Cell Biology, 2014, 16, 1238-1248.	4.6	106
32	A Genetic Determinant That Specifically Regulates the Frequency of Hematopoietic Stem Cells. Journal of Immunology, 2002, 168, 635-642.	0.4	95
33	A Quiescent Bcl11b High Stem Cell Population Is Required for Maintenance of the Mammary Gland. Cell Stem Cell, 2017, 20, 247-260.e5.	5.2	86
34	A Novel, Conditionally Replicative Adenovirus for the Treatment of Breast Cancer That Allows Controlled Replication of E1a-Deleted Adenoviral Vectors. Human Gene Therapy, 2000, 11, 2009-2024.	1.4	73
35	Control of inflammation by stromal Hedgehog pathway activation restrains colitis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7545-E7553.	3.3	73
36	A self-renewal assay for cancer stem cells. Cancer Chemotherapy and Pharmacology, 2005, 56, 64-68.	1.1	58

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37	Self-renewal and solid-tumor stem cells. Biology of Blood and Marrow Transplantation, 2005, 11, 14-16.	2.0	53
38	Role of epithelial to mesenchymal transition associated genes in mammary gland regeneration and breast tumorigenesis. Nature Communications, 2017, 8, 1669.	5.8	52
39	Molecular Cloning and Characterization of a Novel Regulator of G-protein Signaling from Mouse Hematopoietic Stem Cells. Journal of Biological Chemistry, 2001, 276, 915-923.	1.6	51
40	Stromal <i>Gli2</i> activity coordinates a niche signaling program for mammary epithelial stem cells. Science, 2017, 356, .	6.0	48
41	Evaluation of a new dual-specificity promoter for selective induction of apoptosis in breast cancer cells. Cancer Gene Therapy, 2001, 8, 298-307.	2.2	29
42	Remodeling of Endogenous Mammary Epithelium by Breast Cancer Stem Cells. Stem Cells, 2012, 30, 2114-2127.	1.4	22
43	Chronic Myelogenous Leukemia â€" Identifying the Hydra's Heads. New England Journal of Medicine, 2004, 351, 634-636.	13.9	21
44	Influence of medium exchange schedules on metabolic, growth, and GM-CSF secretion rates of genetically engineered NIH-3T3 cells. Biotechnology Progress, 1991, 7, 1-8.	1.3	20
45	Targeted chromatin ligation, a robust epigenetic profiling technique for small cell numbers. Nucleic Acids Research, 2017, 45, e153-e153.	6.5	16
46	Targeting cancer cell death with a bcl-xS adenovirus. Seminars in Immunopathology, 1998, 19, 279-288.	4.0	13
47	Oncogenes, self-renewal andÂcancer. Pathologie Et Biologie, 2006, 54, 109-111.	2.2	13
48	LEFTY1 Is a Dual-SMAD Inhibitor that Promotes Mammary Progenitor Growth and Tumorigenesis. Cell Stem Cell, 2020, 27, 284-299.e8.	5.2	12
49	Northstar enables automatic classification of known and novel cell types from tumor samples. Scientific Reports, 2020, 10, 15251.	1.6	11
50	The construction of high efficiency human bone marrow tissue ex vivo. Journal of Cellular Biochemistry, 1991, 45, 268-272.	1.2	9
51	Epigenetic Regulation of Normal and Cancer Stem Cells. Annals of the New York Academy of Sciences, 2005, 1044, 90-93.	1.8	8
52	Usp16 modulates Wnt signaling in primary tissues through Cdkn2a regulation. Scientific Reports, 2018, 8, 17506.	1.6	8
53	What Can We Learn about Breast Cancer from Stem Cells?. Advances in Experimental Medicine and Biology, 2008, 617, 17-22.	0.8	8
54	Inhibiting USP16 rescues stem cell aging and memory in an Alzheimerâ€™s model. ELife, 2022, 11, .	2.8	6

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55	Lost in translation: Review of identification bias, translation bias and research waste in dentistry. Dental Materials, 2016, 32, 26-33.	1.6	4
56	Serially transplantable mammary epithelial cells express the Thy-1 antigen. Breast Cancer Research, 2018, 20, 121.	2.2	4
57	Depletion of Trp53 and Cdkn2a Does Not Promote Self-Renewal in the Mammary Gland but Amplifies Proliferation Induced by TNF-Î±. Stem Cell Reports, 2021, 16, 228-236.	2.3	3
58	Stem cells, cancer, and cancer stem cells. , 0, .		3
59	Stem Cells, Cell Differentiation, and Cancer. , 2020, , 97-107.e5.		2
60	Cancer Stem Cells. , 2009, , 467-483.		1
61	Stem Cells, Cell Differentiation, and Cancer. , 2014, , 98-107.e3.		1
62	Mesenchymal tumor cells drive adaptive resistance of <i>Trp53^{âˆ’/âˆ’}</i> breast tumor cells to inactivated mutant <i>Kras</i>. Molecular Oncology, 2022, 16, 3128-3145.	2.1	1
63	Implications of Cancer Stem Cells for Tumor Metastasis. , 2009, , 443-453.		0