Steven M Pollard

List of Publications by Year
in descending order

74	6,341	109321	85541
papers	citations	35 h-index	71 g-index

86	86	86	10706
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Glioma Stem Cell Lines Expanded in Adherent Culture Have Tumor-Specific Phenotypes and Are Suitable for Chemical and Genetic Screens. Cell Stem Cell, 2009, 4, 568-580.	11.1	881
2	Niche-Independent Symmetrical Self-Renewal of a Mammalian Tissue Stem Cell. PLoS Biology, 2005, 3, e283.	5.6	761
3	Challenges to curing primary brain tumours. Nature Reviews Clinical Oncology, 2019, 16, 509-520.	27.6	540
4	Cohesin-mediated interactions organize chromosomal domain architecture. EMBO Journal, 2013, 32, 3119-3129.	7.8	362
5	Capture of Neuroepithelial-Like Stem Cells from Pluripotent Stem Cells Provides a Versatile System for In Vitro Production of Human Neurons. PLoS ONE, 2012, 7, e29597.	2.5	254
6	Adherent Neural Stem (NS) Cells from Fetal and Adult Forebrain. Cerebral Cortex, 2006, 16, i112-i120.	2.9	233
7	Long-term tripotent differentiation capacity of human neural stem (NS) cells in adherent culture. Molecular and Cellular Neurosciences, 2008, 38, 245-258.	2.2	199
8	REST Regulates Distinct Transcriptional Networks in Embryonic and Neural Stem Cells. PLoS Biology, 2008, 6, e256.	5.6	172
9	Glioblastomas acquire myeloid-affiliated transcriptional programs via epigenetic immunoediting to elicit immune evasion. Cell, 2021, 184, 2454-2470.e26.	28.9	165
10	A diacylglycerol lipase-CB2 cannabinoid pathway regulates adult subventricular zone neurogenesis in an age-dependent manner. Molecular and Cellular Neurosciences, 2008, 38, 526-536.	2.2	158
11	Genome-wide CRISPR-Cas9 Screens Reveal Loss of Redundancy between PKMYT1 and WEE1 in Glioblastoma Stem-like Cells. Cell Reports, 2015, 13, 2425-2439.	6.4	146
12	From cohorts to molecules: Adverse impacts of endocrine disrupting mixtures. Science, 2022, 375, eabe8244.	12.6	129
13	Widespread resetting of DNA methylation in glioblastoma-initiating cells suppresses malignant cellular behavior in a lineage-dependent manner. Genes and Development, 2013, 27, 654-669.	5.9	121
14	Genome-wide RNAi screens in human brain tumor isolates reveal a novel viability requirement for PHF5A. Genes and Development, 2013, 27, 1032-1045.	5.9	114
15	mTOR inhibition decreases SOX2-SOX9 mediated glioma stem cell activity and temozolomide resistance. Expert Opinion on Therapeutic Targets, 2016, 20, 393-405.	3.4	111
16	Elevated FOXG1 and SOX2 in glioblastoma enforces neural stem cell identity through transcriptional control of cell cycle and epigenetic regulators. Genes and Development, 2017, 31, 757-773.	5.9	102
17	Tripotential Differentiation of Adherently Expandable Neural Stem (NS) Cells. PLoS ONE, 2007, 2, e298.	2.5	96
18	Glioblastoma Stem Cells Respond to Differentiation Cues but Fail to Undergo Commitment and Terminal Cell-Cycle Arrest. Stem Cell Reports, 2015, 5, 829-842.	4.8	93

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19	EphrinB2 drives perivascular invasion and proliferation of glioblastoma stem-like cells. ELife, 2016, 5, .	6.0	87
20	Efficient CRISPR/Cas9-assisted gene targeting enables rapid and precise genetic manipulation of mammalian neural stem cells. Development (Cambridge), 2017, 144, 635-648.	2.5	82
21	Cancer-Specific Requirement for BUB1B/BUBR1 in Human Brain Tumor Isolates and Genetically Transformed Cells. Cancer Discovery, 2013, 3, 198-211.	9.4	78
22	Experimental models and tools to tackle glioblastoma. DMM Disease Models and Mechanisms, 2019, 12, .	2.4	70
23	Neural Stem Cells, Neurons, and Glia. Methods in Enzymology, 2006, 418, 151-169.	1.0	68
24	EMMA: An Extensible Mammalian Modular Assembly Toolkit for the Rapid Design and Production of Diverse Expression Vectors. ACS Synthetic Biology, 2017, 6, 1380-1392.	3.8	62
25	Interplay between FGF2 and BMP controls the self-renewal, dormancy and differentiation of rat neural stem cells. Journal of Cell Science, 2011, 124, 1867-1877.	2.0	59
26	Sox2 and Pax6 maintain the proliferative and developmental potential of gliogenic neural stem cells In vitro. Glia, 2011, 59, 1588-1599.	4.9	57
27	Fibroblast growth factor induces a neural stem cell phenotype in foetal forebrain progenitors and during embryonic stem cell differentiation. Molecular and Cellular Neurosciences, 2008, 38, 393-403.	2.2	56
28	The Tumor Suppressor CIC Directly Regulates MAPK Pathway Genes via Histone Deacetylation. Cancer Research, 2018, 78, 4114-4125.	0.9	56
29	Engineering Genetic Predisposition in Human Neuroepithelial Stem Cells Recapitulates Medulloblastoma Tumorigenesis. Cell Stem Cell, 2019, 25, 433-446.e7.	11.1	56
30	A High-Content Small Molecule Screen Identifies Sensitivity of Glioblastoma Stem Cells to Inhibition of Polo-Like Kinase 1. PLoS ONE, 2013, 8, e77053.	2.5	53
31	Digital transcriptome profiling of normal and glioblastoma-derived neural stem cells identifies genes associated with patient survival. Genome Medicine, 2012, 4, 76.	8.2	48
32	The good, the bad and the ugly: Epigenetic mechanisms in glioblastoma. Molecular Aspects of Medicine, 2013, 34, 849-862.	6.4	46
33	An efficient and scalable pipeline for epitope tagging in mammalian stem cells using Cas9 ribonucleoprotein. ELife, 2018, 7, .	6.0	45
34	Regional identity of human neural stem cells determines oncogenic responses to histone H3.3 mutants. Cell Stem Cell, 2021, 28, 877-893.e9.	11.1	42
35	Proteome and Secretome Characterization of Glioblastoma-Derived Neural Stem Cells. Stem Cells, 2017, 35, 967-980.	3.2	40
36	LRIG1 is a gatekeeper to exit from quiescence in adult neural stem cells. Nature Communications, 2021, 12, 2594.	12.8	40

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37	Pediatric brain tumor cells release exosomes with a miRNA repertoire that differs from exosomes secreted by normal cells. Oncotarget, 2017, 8, 90164-90175.	1.8	39
38	Modelling glioblastoma tumour-host cell interactions using adult brain organotypic slice co-culture. DMM Disease Models and Mechanisms, 2018, 11, .	2.4	37
39	The white matter is a pro-differentiative niche for glioblastoma. Nature Communications, 2021, 12, 2184.	12.8	37
40	Simultaneous disruption of PRC2 and enhancer function underlies histone H3.3-K27M oncogenic activity in human hindbrain neural stem cells. Nature Genetics, 2021, 53, 1221-1232.	21.4	36
41	Investigating radial glia in vitro. Progress in Neurobiology, 2007, 83, 53-67.	5.7	33
42	Post-translational modification of SOX family proteins: Key biochemical targets in cancer?. Seminars in Cancer Biology, 2020, 67, 30-38.	9.6	29
43	Exploitation of adherent neural stem cells in basic and applied neurobiology. Regenerative Medicine, 2006, 1, 111-118.	1.7	28
44	Imaging-based chemical screens using normal and glioma-derived neural stem cells. Biochemical Society Transactions, 2010, 38, 1067-1071.	3.4	28
45	Oncogenic activity of SOX1 in glioblastoma. Scientific Reports, 2017, 7, 46575.	3.3	27
46	Polymeric glabrescione B nanocapsules for passive targeting of Hedgehog-dependent tumor therapy in vitro. Nanomedicine, 2017, 12, 711-728.	3.3	27
47	Neural G0: a quiescentâ€like state found in neuroepithelialâ€derived cells and glioma. Molecular Systems Biology, 2021, 17, e9522.	7.2	24
48	In Vitro Expansion of Fetal Neural Progenitors as Adherent Cell Lines. Methods in Molecular Biology, 2013, 1059, 13-24.	0.9	23
49	Non-immortalized human neural stem (NS) cells as a scalable platform for cellular assays. Neurochemistry International, 2011, 59, 432-444.	3.8	22
50	Mammalian Synthetic Biology: Time for Big MACs. ACS Synthetic Biology, 2016, 5, 1040-1049.	3.8	22
51	High expression of MKP1/DUSP1 counteracts glioma stem cell activity and mediates HDAC inhibitor response. Oncogenesis, 2017, 6, 401.	4.9	22
52	The Transcription Factor Foxg1 Promotes Optic Fissure Closure in the Mouse by Suppressing Wnt8b in the Nasal Optic Stalk. Journal of Neuroscience, 2017, 37, 7975-7993.	3.6	21
53	Reprogramming of Fibroblasts to Oligodendrocyte Progenitor-like Cells Using CRISPR/Cas9-Based Synthetic Transcription Factors. Stem Cell Reports, 2019, 13, 1053-1067.	4.8	21
54	Accelerating glioblastoma drug discovery: Convergence of patient-derived models, genome editing and phenotypic screening. Molecular and Cellular Neurosciences, 2017, 80, 198-207.	2.2	20

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55	Inositol treatment inhibits medulloblastoma through suppression of epigenetic-driven metabolic adaptation. Nature Communications, 2021, 12, 2148.	12.8	20
56	Inactivation of the ATMIN/ATM pathway protects against glioblastoma formation. ELife, 2016, 5, .	6.0	17
57	Reprogramming cancer cells to pluripotency. Epigenetics, 2014, 9, 798-802.	2.7	16
58	High Content Screening of Defined Chemical Libraries Using Normal and Glioma-Derived Neural Stem Cell Lines. Methods in Enzymology, 2012, 506, 311-329.	1.0	15
59	Differentiation therapy for glioblastoma â€“ too many obstacles?. Molecular and Cellular Oncology, 2016, 3, e1124174.	0.7	15
60	STAR: a simple TAL effector assembly reaction using isothermal assembly. Scientific Reports, 2016, 6, 33209.	3.3	13
61	Glioblastoma stem cells induce quiescence in surrounding neural stem cells via Notch signaling. Genes and Development, 2020, 34, 1599-1604.	5.9	11
62	Hierarchical reactivation of transcription during mitosis-to-G1 transition by Brn2 and Ascl1 in neural stem cells. Genes and Development, 2021, 35, 1020-1034.	5.9	11
63	Combination of BMI1 and MAPK/ERK inhibitors is effective in medulloblastoma. Neuro-Oncology, 2022, 24, 1273-1285.	1.2	8
64	A Shore Sign of Reprogramming. Cell Stem Cell, 2009, 5, 571-572.	11.1	7
65	Selective toxicity of functionalised graphene oxide to patients-derived glioblastoma stem cells and minimal toxicity to non-cancerous brain tissue cells. 2D Materials, 2020, 7, 045002.	4.4	3
66	High SOX9 Maintains Glioma Stem Cell Activity through a Regulatory Loop Involving STAT3 and PML. International Journal of Molecular Sciences, 2022, 23, 4511.	4.1	3
67	CRISPR/Cas9 gene editing of brain cancer stem cells using lipid-based nano-delivery. Neuro-Oncology, 2019, 21, iv7-iv7.	1.2	2
68	Quantitative stem cell biology: the threat and the glory. Development (Cambridge), 2016, 143, 4097-4100.	2.5	1
69	Genome Editing in Human Neural Stem and Progenitor Cells. Results and Problems in Cell Differentiation, 2018, 66, 163-182.	0.7	1
70	STAR: A Simple TAL Effector Assembly Reaction Using Isothermal Assembly. Methods in Molecular Biology, 2018, 1772, 477-490.	0.9	1
71	Give it a REST!. ELife, 2016, 5, e12615.	6.0	1
72	Interplay between FGF2 and BMP controls the self-renewal, dormancy and differentiation of rat neural stem cells. Development (Cambridge), 2011, 138, e1-e1.	2.5	1

#	Article	IF	Citations
73	Transcriptional and epigenetic regulatory mechanisms in glioblastoma stem cells. , 2020, , 231-255.		1
74	Reply to â€˜Assembling the brain trust: the multidisciplinary imperative in neuro-oncologyâ€™. Nature Reviews Clinical Oncology, 2019, 16, 522-523.	27.6	0