

Sheila K Singh

List of Publications by Citations

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112
papers

12,713
citations

29
h-index

112
g-index

119
ext. papers

14,179
ext. citations

7.6
avg, IF

5.99
L-index

#	Paper	IF	Citations
112	Identification of human brain tumour initiating cells. <i>Nature</i> , 2004 , 432, 396-401	50.4	5869
111	Identification of a cancer stem cell in human brain tumors. <i>Cancer Research</i> , 2003 , 63, 5821-8	10.1	3368
110	Cancer stem cells in nervous system tumors. <i>Oncogene</i> , 2004 , 23, 7267-73	9.2	584
109	Endovascular Thrombectomy for Acute Ischemic Stroke: A Meta-analysis. <i>JAMA - Journal of the American Medical Association</i> , 2015 , 314, 1832-43	27.4	307
108	Chronic subdural hematoma management: a systematic review and meta-analysis of 34,829 patients. <i>Annals of Surgery</i> , 2014 , 259, 449-57	7.8	221
107	EMT: Mechanisms and therapeutic implications. <i>Pharmacology & Therapeutics</i> , 2018 , 182, 80-94	13.9	205
106	Cerebral salt wasting: truths, fallacies, theories, and challenges. <i>Critical Care Medicine</i> , 2002 , 30, 2575-9	1.4	172
105	Childhood cerebellar tumours mirror conserved fetal transcriptional programs. <i>Nature</i> , 2019 , 572, 67-73	50.4	149
104	Therapeutic targeting of ependymoma as informed by oncogenic enhancer profiling. <i>Nature</i> , 2018 , 553, 101-105	50.4	116
103	Biopsy versus partial versus gross total resection in older patients with high-grade glioma: a systematic review and meta-analysis. <i>Neuro-Oncology</i> , 2015 , 17, 868-81	1	91
102	MEDU-44. MUSASHI-1 IS A MASTER REGULATOR OF ABERRANT TRANSLATION IN GROUP 3 MEDULLOBLASTOMA. <i>Neuro-Oncology</i> , 2019 , 21, ii112-ii113	1	78
101	NGMA-5. An in vivo functional genomics screen to identify novel drivers of lung-to-brain metastasis. <i>Neuro-Oncology Advances</i> , 2021 , 3, ii5-ii5	0.9	78
100	BSCI-18. Identifying novel drivers of lung-to-brain metastasis through in vivo functional genomics. <i>Neuro-Oncology Advances</i> , 2021 , 3, iii5-iii5	0.9	78
99	Personalizing the treatment of pediatric medulloblastoma: Polo-like kinase 1 as a molecular target in high-risk children. <i>Cancer Research</i> , 2013 , 73, 6734-44	10.1	70
98	Atraumatic versus conventional lumbar puncture needles: a systematic review and meta-analysis. <i>Lancet, The</i> , 2018 , 391, 1197-1204	40	70
97	YB-1 bridges neural stem cells and brain tumor-initiating cells via its roles in differentiation and cell growth. <i>Cancer Research</i> , 2011 , 71, 5569-78	10.1	64
96	Investigating the link between molecular subtypes of glioblastoma, epithelial-mesenchymal transition, and CD133 cell surface protein. <i>PLoS ONE</i> , 2013 , 8, e64169	3.7	63

95	A Balanced Protocol for Return to School for Children and Youth Following Concussive Injury. <i>Clinical Pediatrics</i> , 2015 , 54, 783-92	1.2	53
94	Polo-like kinase 1 inhibition kills glioblastoma multiforme brain tumor cells in part through loss of SOX2 and delays tumor progression in mice. <i>Stem Cells</i> , 2012 , 30, 1064-75	5.8	53
93	Medulloblastoma stem cells: where development and cancer cross pathways. <i>Pediatric Research</i> , 2012 , 71, 516-22	3.2	47
92	Brain tumor stem cells: identification and concepts. <i>Neurosurgery Clinics of North America</i> , 2007 , 18, 31-8, viii	4	47
91	FoxG1 interacts with Bmi1 to regulate self-renewal and tumorigenicity of medulloblastoma stem cells. <i>Stem Cells</i> , 2013 , 31, 1266-77	5.8	43
90	A cancer stem cell model for studying brain metastases from primary lung cancer. <i>Journal of the National Cancer Institute</i> , 2013 , 105, 551-62	9.7	43
89	Bmi1 marks intermediate precursors during differentiation of human brain tumor initiating cells. <i>Stem Cell Research</i> , 2012 , 8, 141-53	1.6	42
88	The Rational Development of CD133-Targeting Immunotherapies for Glioblastoma. <i>Cell Stem Cell</i> , 2020 , 26, 832-844.e6	18	41
87	Metabolic Regulation of the Epigenome Drives Lethal Infantile Ependymoma. <i>Cell</i> , 2020 , 181, 1329-1345.e24	5.624	40
86	A C19MC-LIN28A-MYCN Oncogenic Circuit Driven by Hijacked Super-enhancers Is a Distinct Therapeutic Vulnerability in ETMRs: A Lethal Brain Tumor. <i>Cancer Cell</i> , 2019 , 36, 51-67.e7	24.3	39
85	STAT3 pathway regulates lung-derived brain metastasis initiating cell capacity through miR-21 activation. <i>Oncotarget</i> , 2015 , 6, 27461-77	3.3	37
84	Cotargeting Ephrin Receptor Tyrosine Kinases A2 and A3 in Cancer Stem Cells Reduces Growth of Recurrent Glioblastoma. <i>Cancer Research</i> , 2018 , 78, 5023-5037	10.1	30
83	Pyruvium Targets CD133 in Human Glioblastoma Brain Tumor-Initiating Cells. <i>Clinical Cancer Research</i> , 2015 , 21, 5324-37	12.9	29
82	A method to estimate urinary electrolyte excretion in patients at risk for developing cerebral salt wasting. <i>Journal of Neurosurgery</i> , 2001 , 95, 420-4	3.2	28
81	Medulloblastoma stem cells: modeling tumor heterogeneity. <i>Cancer Letters</i> , 2013 , 338, 23-31	9.9	25
80	Development of a conservative protocol to return children and youth to activity following concussive injury. <i>Clinical Pediatrics</i> , 2015 , 54, 152-63	1.2	24
79	Therapeutic Targeting of the Premetastatic Stage in Human Lung-to-Brain Metastasis. <i>Cancer Research</i> , 2018 , 78, 5124-5134	10.1	24
78	Association of Glioblastoma Multiforme Stem Cell Characteristics, Differentiation, and Microglia Marker Genes with Patient Survival. <i>Stem Cells International</i> , 2018 , 2018, 9628289	5	22

77	The identification of human pituitary adenoma-initiating cells. <i>Acta Neuropathologica Communications</i> , 2016 , 4, 125	7.3	19
76	RNAi screen identifies essential regulators of human brain metastasis-initiating cells. <i>Acta Neuropathologica</i> , 2017 , 134, 923-940	14.3	19
75	Convergence of BMI1 and CHD7 on ERK Signaling in Medulloblastoma. <i>Cell Reports</i> , 2017 , 21, 2772-2784	10.6	19
74	From birth till death: neurogenesis, cell cycle, and neurodegeneration. <i>Anatomical Record</i> , 2009 , 292, 1953-61	2.1	19
73	MicroRNA Regulation of Brain Tumour Initiating Cells in Central Nervous System Tumours. <i>Stem Cells International</i> , 2015 , 2015, 141793	5	18
72	Brain metastasis-initiating cells: survival of the fittest. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 9117-33	6.3	18
71	A CD133-AKT-Wnt signaling axis drives glioblastoma brain tumor-initiating cells. <i>Oncogene</i> , 2020 , 39, 1590-1599	9.2	17
70	Culture and isolation of brain tumor initiating cells. <i>Current Protocols in Stem Cell Biology</i> , 2009 , Chapter 3, Unit3.3	2.8	16
69	Subdural Hematoma Mimickers: A Systematic Review. <i>World Neurosurgery</i> , 2016 , 93, 73-80	2.1	15
68	Biopsy Versus Subtotal Versus Gross Total Resection in Patients with Low-Grade Glioma: A Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , 2018 , 120, e762-e775	2.1	15
67	GBM secretome induces transient transformation of human neural precursor cells. <i>Journal of Neuro-Oncology</i> , 2012 , 109, 457-66	4.8	14
66	Wnt activation as a therapeutic strategy in medulloblastoma. <i>Nature Communications</i> , 2020 , 11, 4323	17.4	13
65	TAp73 Modifies Metabolism and Positively Regulates Growth of Cancer Stem-Like Cells in a Redox-Sensitive Manner. <i>Clinical Cancer Research</i> , 2019 , 25, 2001-2017	12.9	13
64	Phosphoglycerate dehydrogenase inhibition induces p-mTOR-independent autophagy and promotes multilineage differentiation in embryonal carcinoma stem-like cells. <i>Cell Death and Disease</i> , 2018 , 9, 990	9.8	13
63	Introduction to Cancer Stem Cells: Past, Present, and Future. <i>Methods in Molecular Biology</i> , 2018 , 1692, 1-16	1.4	12
62	A novel stem cell culture model of recurrent glioblastoma. <i>Journal of Neuro-Oncology</i> , 2016 , 126, 57-67	4.8	12
61	Processing of primary brain tumor tissue for stem cell assays and flow sorting. <i>Journal of Visualized Experiments</i> , 2012 ,	1.6	12
60	The use of ibuprofen and acetaminophen for acute headache in the postconcussive youth: A pilot study. <i>Paediatrics and Child Health</i> , 2017 , 22, 2-6	0.7	11

59	BMI1 is a therapeutic target in recurrent medulloblastoma. <i>Oncogene</i> , 2019 , 38, 1702-1716	9.2	11
58	De novo necroptosis creates an inflammatory environment mediating tumor susceptibility to immune checkpoint inhibitors. <i>Communications Biology</i> , 2020 , 3, 645	6.7	10
57	Development of a peptide-based delivery platform for targeting malignant brain tumors. <i>Biomaterials</i> , 2020 , 252, 120105	15.6	10
56	Progression of atypical extraventricular neurocytoma to anaplastic ganglioglioma. <i>Human Pathology</i> , 2017 , 59, 125-130	3.7	10
55	Bmi1 regulates human glioblastoma stem cells through activation of differential gene networks in CD133+ brain tumor initiating cells. <i>Journal of Neuro-Oncology</i> , 2019 , 143, 417-428	4.8	9
54	Regulation of the proline regulatory axis and autophagy modulates stemness in TP73/p73 deficient cancer stem-like cells. <i>Autophagy</i> , 2019 , 15, 934-936	10.2	9
53	Adiposity in childhood brain tumors: A report from the Canadian Study of Determinants of Endometabolic Health in Children (CanDECIDE Study). <i>Scientific Reports</i> , 2017 , 7, 45078	4.9	8
52	Impact of COVID-19 and other pandemics and epidemics on people with pre-existing mental disorders: a systematic review protocol and suggestions for clinical care. <i>BMJ Open</i> , 2020 , 10, e040229	3	8
51	Culture and Isolation of Brain Tumor Initiating Cells. <i>Current Protocols in Stem Cell Biology</i> , 2015 , 34, 3.3.1:8.3.18		
50	A rapid in vitro methodology for simultaneous target discovery and antibody generation against functional cell subpopulations. <i>Scientific Reports</i> , 2019 , 9, 842	4.9	7
49	RAD51-Mediated DNA Homologous Recombination Is Independent of Mutational Status. <i>Cancers</i> , 2020 , 12,	6.6	6
48	The role of stem cells in pediatric central nervous system malignancies. <i>Advances in Experimental Medicine and Biology</i> , 2015 , 853, 49-68	3.6	6
47	Introduction to Brain Tumor Stem Cells. <i>Methods in Molecular Biology</i> , 2019 , 1869, 1-9	1.4	6
46	Deciphering brain tumor heterogeneity, one cell at a time. <i>Nature Medicine</i> , 2019 , 25, 1474-1476	50.5	5
45	Childhood Cerebellar Tumors Mirror Conserved Fetal Transcriptional Programs		5
44	Strategies to Enhance the Efficacy of T-Cell Therapy for Central Nervous System Tumors. <i>Frontiers in Immunology</i> , 2020 , 11, 599253	8.4	5
43	Evaluating overweight and obesity prevalence in survivors of childhood brain tumors: a systematic review protocol. <i>Systematic Reviews</i> , 2017 , 6, 43	3	4
42	Development of an Atypical Teratoid Rhabdoid Tumor in a Meningioma. <i>International Journal of Surgical Pathology</i> , 2017 , 25, 567-572	1.2	4

41	Atraumatic versus traumatic lumbar puncture needles: a systematic review and meta-analysis protocol. <i>BMJ Open</i> , 2017 , 7, e014478	3	4
40	The effectiveness of interventions to treat obesity in survivors of childhood brain tumors: a systematic review protocol. <i>Systematic Reviews</i> , 2016 , 5, 101	3	4
39	CD70 as an actionable immunotherapeutic target in recurrent glioblastoma and its microenvironment. 2022 , 10,		4
38	Discovery of HDAC6-Selective Inhibitor NN-390 with Efficacy in Group 3 Medulloblastoma.. <i>Journal of Medicinal Chemistry</i> , 2022 ,	8.3	4
37	In Vitro Self-Renewal Assays for Brain Tumor Stem Cells. <i>Methods in Molecular Biology</i> , 2019 , 1869, 79-84	4.4	4
36	Predictive measures and outcomes of extent of resection in juvenile pilocytic astrocytoma. <i>Journal of Clinical Neuroscience</i> , 2019 , 70, 79-84	2.2	3
35	Development of a Patient-Derived Xenograft Model Using Brain Tumor Stem Cell Systems to Study Cancer. <i>Methods in Molecular Biology</i> , 2016 , 1458, 231-45	1.4	3
34	Salvage Therapy for Childhood Medulloblastoma: A Single Center Experience. <i>Canadian Journal of Neurological Sciences</i> , 2019 , 46, 403-414	1	3
33	EPH Profiling of BTIC Populations in Glioblastoma Multiforme Using CyTOF. <i>Methods in Molecular Biology</i> , 2019 , 1869, 155-168	1.4	3
32	Preclinical Modeling and Therapeutic Avenues for Cancer Metastasis to the Central Nervous System. <i>Frontiers in Oncology</i> , 2017 , 7, 220	5.3	2
31	Preclinical Testing of CAR T Cells in a Patient-Derived Xenograft Model of Glioblastoma. <i>STAR Protocols</i> , 2020 , 1, 100174	1.4	2
30	Generation of murine xenograft models of brain tumors from primary human tissue for in vivo analysis of the brain tumor-initiating cell. <i>Methods in Molecular Biology</i> , 2014 , 1210, 37-49	1.4	2
29	A Patient-Derived Xenograft Model of Glioblastoma. <i>STAR Protocols</i> , 2020 , 1, 100179	1.4	2
28	Advances in Immunotherapy for Adult Glioblastoma. <i>Cancers</i> , 2021 , 13,	6.6	2
27	Delirium and other neuropsychiatric manifestations of COVID-19 infection in people with preexisting psychiatric disorders: a systematic review.. <i>Journal of Medical Case Reports</i> , 2021 , 15, 586	1.2	2
26	Glioblastoma Stem Cells Drive Tumor Recurrence and Patient Relapse 2014 , 193-208		1
25	Evolution of brain tumor-initiating cell research: in pursuit of a moving target. <i>Future Neurology</i> , 2013 , 8, 1-3	1.5	1
24	Revealed: The spy who regulates neuroblastoma stem cells. <i>Oncotarget</i> , 2014 , 5, 11014-6	3.3	1

23	Identification of five important genes to predict glioblastoma subtypes. <i>Neuro-Oncology Advances</i> , 2021 , 3, vdab144	0.9	1
22	Flow Cytometric Analysis of Brain Tumor Stem Cells. <i>Methods in Molecular Biology</i> , 2019 , 1869, 69-77	1.4	1
21	evaluation of CAR-T cells in patient-derived glioblastoma models. <i>STAR Protocols</i> , 2021 , 2, 100920	1.4	1
20	Cancer Stem Cells in Brain Cancer 2011 , 37-56		1
19	WNT: an unexpected tumor suppressor in medulloblastoma. <i>Molecular and Cellular Oncology</i> , 2020 , 7, 1834903	1.2	1
18	In Vivo Murine Models of Brain Metastasis. <i>Methods in Molecular Biology</i> , 2019 , 1869, 231-238	1.4	1
17	Differentiation of Brain Tumor Initiating Cells. <i>Methods in Molecular Biology</i> , 2019 , 1869, 85-91	1.4	1
16	ETS-Domain Transcription Factor Elk-1 Regulates Stemness Genes in Brain Tumors and CD133+ BrainTumor-Initiating Cells. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	1
15	The Strange Case of Jekyll and Hyde: Parallels Between Neural Stem Cells and Glioblastoma-Initiating Cells. <i>Frontiers in Oncology</i> , 2020 , 10, 603738	5.3	1
14	Diversity among health care leaders in Canada: a cross-sectional study of perceived gender and race.. <i>Cmaj</i> , 2022 , 194, E371-E377	3.5	1
13	Brain tumor initiating cells: with great technology will come greater understanding. <i>Future Neurology</i> , 2017 , 12, 223-236	1.5	0
12	Temporal profiling of therapy resistance in human medulloblastoma identifies novel targetable drivers of recurrence. <i>Science Advances</i> , 2021 , 7, eabi5568	14.3	0
11	Flow-Cytometric Identification and Characterization of Neural Brain Tumor-Initiating Cells for Pathophysiological Study and Biomedical Applications 2015 , 199-211		
10	Assessing the Safety of a Cell-Based Immunotherapy for Brain Cancers Using a Humanized Model of Hematopoiesis. <i>STAR Protocols</i> , 2020 , 1, 100124	1.4	
9	Isolation and Identification of Neural Cancer Stem/Progenitor Cells 2015 , 145-167		
8	Reply to Letter: "What Ingredients Have You Used to Prepare This Delicious Lunch? A Critical Look Behind a Meta-analysis". <i>Annals of Surgery</i> , 2015 , 262, e114-5	7.8	
7	Temporal evolution of medulloblastoma subgroups. <i>Journal of Neurosurgery: Pediatrics</i> , 2015 , 16, 349-50.	1	
6	Brain Tumor Genomics 2014 , 321-338		

- 5 The Road to CAR T-Cell Therapies for Pediatric CNS Tumors: Obstacles and New Avenues.. *Frontiers in Oncology*, **2022**, 12, 815726 5.3
- 4 Childhood Medulloblastoma: An Overview.. *Methods in Molecular Biology*, **2022**, 2423, 1-12 1.4
- 3 Origins of Metastasis-Initiating Cells **2012**, 229-246
- 2 In Vitro Assays for Screening Small Molecules. *Methods in Molecular Biology*, **2019**, 1869, 189-196 1.4
- 1 Intratumoral heterogeneity associated with glioblastoma drug response and resistance **2021**, 185-199