# Sheila K Singh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3390055/publications.pdf

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| 114 | 15,084 | 159585 | 36028 |
|---|---|---|---|
| papers | citations | 30 h-index | 97 g-index |

| 119 | 119 | 119 | 18106 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Identification of human brain tumour initiating cells. Nature, 2004, 432, 396-401. | 27.8 | 6,758 |
| 2 | Identification of a cancer stem cell in human brain tumors. Cancer Research, 2003, 63, 5821-8. | 0.9 | 3,675 |
| 3 | Cancer stem cells in nervous system tumors. Oncogene, 2004, 23, 7267-7273. | 5.9 | 670 |
| 4 | Endovascular Thrombectomy for Acute Ischemic Stroke. JAMA - Journal of the American Medical Association, 2015, 314, 1832. | 7.4 | 392 |
| 5 | EMT: Mechanisms and therapeutic implications. , 2018, 182, 80-94. | | 334 |
| 6 | Chronic Subdural Hematoma Management. Annals of Surgery, 2014, 259, 449-457. | 4.2 | 332 |
| 7 | Childhood cerebellar tumours mirror conserved fetal transcriptional programs. Nature, 2019, 572, 67-73. | 27.8 | 293 |
| 8 | Cerebral salt wasting: Truths, fallacies, theories, and challenges. Critical Care Medicine, 2002, 30, 2575-2579. | 0.9 | 220 |
| 9 | Therapeutic targeting of ependymoma as informed by oncogenic enhancer profiling. Nature, 2018, 553, 101-105. | 27.8 | 170 |
| 10 | Biopsy versus partial versus gross total resection in older patients with high-grade glioma: a systematic review and meta-analysis. Neuro-Oncology, 2015, 17, 868-881. | 1.2 | 131 |
| 11 | Atraumatic versus conventional lumbar puncture needles: a systematic review and meta-analysis. Lancet, The, 2018, 391, 1197-1204. | 13.7 | 126 |
| 12 | The Rational Development of CD133-Targeting Immunotherapies for Glioblastoma. Cell Stem Cell, 2020, 26, 832-844.e6. | 11.1 | 114 |
| 13 | Personalizing the Treatment of Pediatric Medulloblastoma: Polo-like Kinase 1 as a Molecular Target in High-Risk Children. Cancer Research, 2013, 73, 6734-6744. | 0.9 | 79 |
| 14 | Metabolic Regulation of the Epigenome Drives Lethal Infantile Ependymoma. Cell, 2020, 181, 1329-1345.e24. | 28.9 | 79 |
| 15 | YB-1 Bridges Neural Stem Cells and Brain Tumorâ€“Initiating Cells via Its Roles in Differentiation and Cell Growth. Cancer Research, 2011, 71, 5569-5578. | 0.9 | 74 |
| 16 | Investigating the Link between Molecular Subtypes of Glioblastoma, Epithelial-Mesenchymal Transition, and CD133 Cell Surface Protein. PLoS ONE, 2013, 8, e64169. | 2.5 | 73 |
| 17 | A C19MC-LIN28A-MYCN Oncogenic Circuit Driven by Hijacked Super-enhancers Is a Distinct Therapeutic Vulnerability in ETMRs: A Lethal Brain Tumor. Cancer Cell, 2019, 36, 51-67.e7. | 16.8 | 69 |
| 18 | Polo-Like Kinase 1 Inhibition Kills Glioblastoma Multiforme Brain Tumor Cells in Part Through Loss of SOX2 and Delays Tumor Progression in Mice. Stem Cells, 2012, 30, 1064-1075. | 3.2 | 66 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A Balanced Protocol for Return to School for Children and Youth Following Concussive Injury. Clinical Pediatrics, 2015, 54, 783-792. | 0.8 | 66 |
| 20 | STAT3 pathway regulates lung-derived brain metastasis initiating cell capacity through miR-21 activation. Oncotarget, 2015, 6, 27461-27477. | 1.8 | 55 |
| 21 | Brain Tumor Stem Cells: Identification and Concepts. Neurosurgery Clinics of North America, 2007, 18, 31-38. | 1.7 | 53 |
| 22 | FoxG1 Interacts with Bmi1 to Regulate Self-Renewal and Tumorigenicity of Medulloblastoma Stem Cells. Stem Cells, 2013, 31, 1266-1277. | 3.2 | 53 |
| 23 | Medulloblastoma stem cells: where development and cancer cross pathways. Pediatric Research, 2012, 71, 516-522. | 2.3 | 52 |
| 24 | A Cancer Stem Cell Model for Studying Brain Metastases From Primary Lung Cancer. Journal of the National Cancer Institute, 2013, 105, 551-562. | 6.3 | 50 |
| 25 | Pyrvinium Targets CD133 in Human Glioblastoma Brain Tumorâ€“Initiating Cells. Clinical Cancer Research, 2015, 21, 5324-5337. | 7.0 | 48 |
| 26 | Bmi1 marks intermediate precursors during differentiation of human brain tumor initiating cells. Stem Cell Research, 2012, 8, 141-153. | 0.7 | 45 |
| 27 | Cotargeting Ephrin Receptor Tyrosine Kinases A2 and A3 in Cancer Stem Cells Reduces Growth of Recurrent Glioblastoma. Cancer Research, 2018, 78, 5023-5037. | 0.9 | 36 |
| 28 | Therapeutic Targeting of the Premetastatic Stage in Human Lung-to-Brain Metastasis. Cancer Research, 2018, 78, 5124-5134. | 0.9 | 35 |
| 29 | Wnt activation as a therapeutic strategy in medulloblastoma. Nature Communications, 2020, 11, 4323. | 12.8 | 34 |
| 30 | Medulloblastoma stem cells: Modeling tumor heterogeneity. Cancer Letters, 2013, 338, 23-31. | 7.2 | 32 |
| 31 | Development of a Conservative Protocol to Return Children and Youth to Activity Following Concussive Injury. Clinical Pediatrics, 2015, 54, 152-163. | 0.8 | 32 |
| 32 | A method to estimate urinary electrolyte excretion in patients at risk for developing cerebral salt wasting. Journal of Neurosurgery, 2001, 95, 420-424. | 1.6 | 31 |
| 33 | Convergence of BMI1 and CHD7 on ERK Signaling in Medulloblastoma. Cell Reports, 2017, 21, 2772-2784. | 6.4 | 31 |
| 34 | A CD133-AKT-Wnt signaling axis drives glioblastoma brain tumor-initiating cells. Oncogene, 2020, 39, 1590-1599. | 5.9 | 31 |
| 35 | CD70 as an actionable immunotherapeutic target in recurrent glioblastoma and its microenvironment. , 2022, 10, e003289. | | 31 |
| 36 | Association of Glioblastoma Multiforme Stem Cell Characteristics, Differentiation, and Microglia Marker Genes with Patient Survival. Stem Cells International, 2018, 2018, 1-19. | 2.5 | 30 |

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|---|---|---|---|
| 37 | De novo necroptosis creates an inflammatory environment mediating tumor susceptibility to immune checkpoint inhibitors. Communications Biology, 2020, 3, 645. | 4.4 | 30 |
| 38 | The identification of human pituitary adenoma-initiating cells. Acta Neuropathologica Communications, 2016, 4, 125. | 5.2 | 29 |
| 39 | RNAi screen identifies essential regulators of human brain metastasis-initiating cells. Acta Neuropathologica, 2017, 134, 923-940. | 7.7 | 26 |
| 40 | TAp73 Modifies Metabolism and Positively Regulates Growth of Cancer Stemâ€“Like Cells in a Redox-Sensitive Manner. Clinical Cancer Research, 2019, 25, 2001-2017. | 7.0 | 25 |
| 41 | From Birth Till Death: Neurogenesis, Cell Cycle, and Neurodegeneration. Anatomical Record, 2009, 292, 1953-1961. | 1.4 | 22 |
| 42 | Brain Metastasis-Initiating Cells: Survival of the Fittest. International Journal of Molecular Sciences, 2014, 15, 9117-9133. | 4.1 | 22 |
| 43 | Biopsy Versus Subtotal Versus Gross Total Resection in Patients with Low-Grade Glioma: A Systematic Review and Meta-Analysis. World Neurosurgery, 2018, 120, e762-e775. | 1.3 | 22 |
| 44 | Phosphoglycerate dehydrogenase inhibition induces p-mTOR-independent autophagy and promotes multilineage differentiation in embryonal carcinoma stem-like cells. Cell Death and Disease, 2018, 9, 990. | 6.3 | 22 |
| 45 | Culture and Isolation of Brain Tumor Initiating Cells. Current Protocols in Stem Cell Biology, 2009, 11, Unit3.3. | 3.0 | 21 |
| 46 | 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. BMJ Open, 2020, 10, e040229. | 1.9 | 21 |
| 47 | GBM secretome induces transient transformation of human neural precursor cells. Journal of Neuro-Oncology, 2012, 109, 457-466. | 2.9 | 20 |
| 48 | MicroRNA Regulation of Brain Tumour Initiating Cells in Central Nervous System Tumours. Stem Cells International, 2015, 2015, 1-15. | 2.5 | 20 |
| 49 | BMI1 is a therapeutic target in recurrent medulloblastoma. Oncogene, 2019, 38, 1702-1716. | 5.9 | 20 |
| 50 | Subdural Hematoma Mimickers: A Systematic Review. World Neurosurgery, 2016, 93, 73-80. | 1.3 | 18 |
| 51 | A novel stem cell culture model of recurrent glioblastoma. Journal of Neuro-Oncology, 2016, 126, 57-67. | 2.9 | 17 |
| 52 | The use of ibuprofen and acetaminophen for acute headache in the postconcussive youth: A pilot study. Paediatrics and Child Health, 2017, 22, 2-6. | 0.6 | 17 |
| 53 | Processing of Primary Brain Tumor Tissue for Stem Cell Assays and Flow Sorting. Journal of Visualized Experiments, 2012, , . | 0.3 | 16 |
| 54 | Introduction to Cancer Stem Cells: Past, Present, and Future. Methods in Molecular Biology, 2018, 1692, 1-16. | 0.9 | 16 |

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|---|---|---|---|
| 55 | Regulation of the proline regulatory axis and autophagy modulates stemness in TP73/p73 deficient cancer stem-like cells. Autophagy, 2019, 15, 934-936. | 9.1 | 16 |
| 56 | Discovery of HDAC6-Selective Inhibitor NN-390 with in Vitro Efficacy in Group 3 Medulloblastoma. Journal of Medicinal Chemistry, 2022, 65, 3193-3217. | 6.4 | 16 |
| 57 | Development of a peptide-based delivery platform for targeting malignant brain tumors. Biomaterials, 2020, 252, 120105. | 11.4 | 15 |
| 58 | Bmi1 regulates human glioblastoma stem cells through activation of differential gene networks in CD133+ brain tumor initiating cells. Journal of Neuro-Oncology, 2019, 143, 417-428. | 2.9 | 13 |
| 59 | Progression of atypical extraventricular neurocytoma to anaplastic ganglioglioma. Human Pathology, 2017, 59, 125-130. | 2.0 | 11 |
| 60 | Strategies to Enhance the Efficacy of T-Cell Therapy for Central Nervous System Tumors. Frontiers in Immunology, 2020, 11, 599253. | 4.8 | 11 |
| 61 | Diversity among health care leaders in Canada: a cross-sectional study of perceived gender and race. Cmaj, 2022, 194, E371-E377. | 2.0 | 11 |
| 62 | A rapid in vitro methodology for simultaneous target discovery and antibody generation against functional cell subpopulations. Scientific Reports, 2019, 9, 842. | 3.3 | 10 |
| 63 | RAD51-Mediated DNA Homologous Recombination Is Independent of PTEN Mutational Status. Cancers, 2020, 12, 3178. | 3.7 | 10 |
| 64 | Adiposity in childhood brain tumors: A report from the Canadian Study of Determinants of Endometabolic Health in Children (CanDECIDE Study). Scientific Reports, 2017, 7, 45078. | 3.3 | 9 |
| 65 | ETS-Domain Transcription Factor Elk-1 Regulates Stemness Genes in Brain Tumors and CD133+ BrainTumor-Initiating Cells. Journal of Personalized Medicine, 2021, 11, 125. | 2.5 | 9 |
| 66 | Advances in Immunotherapy for Adult Glioblastoma. Cancers, 2021, 13, 3400. | 3.7 | 9 |
| 67 | Deciphering brain tumor heterogeneity, one cell at a time. Nature Medicine, 2019, 25, 1474-1476. | 30.7 | 8 |
| 68 | A Patient-Derived Xenograft Model of Glioblastoma. STAR Protocols, 2020, 1, 100179. | 1.2 | 8 |
| 69 | Culture and Isolation of Brain Tumor Initiating Cells. Current Protocols in Stem Cell Biology, 2015, 34, 3.3.1-3.3.13. | 3.0 | 8 |
| 70 | Temporal profiling of therapy resistance in human medulloblastoma identifies novel targetable drivers of recurrence. Science Advances, 2021, 7, eabi5568. | 10.3 | 8 |
| 71 | The Role of Stem Cells in Pediatric Central Nervous System Malignancies. Advances in Experimental Medicine and Biology, 2015, 853, 49-68. | 1.6 | 7 |
| 72 | EPH Profiling of BTIC Populations in Glioblastoma Multiforme Using CyTOF. Methods in Molecular Biology, 2019, 1869, 155-168. | 0.9 | 7 |

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|---|---|---|---|
| 73 | The Strange Case of Jekyll and Hyde: Parallels Between Neural Stem Cells and Glioblastoma-Initiating Cells. Frontiers in Oncology, 2020, 10, 603738. | 2.8 | 7 |
| 74 | Introduction to Brain Tumor Stem Cells. Methods in Molecular Biology, 2019, 1869, 1-9. | 0.9 | 7 |
| 75 | Atraumatic versus traumatic lumbar puncture needles: a systematic review and meta-analysis protocol. BMJ Open, 2017, 7, e014478. | 1.9 | 6 |
| 76 | Predictive measures and outcomes of extent of resection in juvenile pilocytic astrocytoma. Journal of Clinical Neuroscience, 2019, 70, 79-84. | 1.5 | 6 |
| 77 | Preclinical Testing of CAR T Cells in a Patient-Derived Xenograft Model of Glioblastoma. STAR Protocols, 2020, 1, 100174. | 1.2 | 6 |
| 78 | Evaluating overweight and obesity prevalence in survivors of childhood brain tumors: a systematic review protocol. Systematic Reviews, 2017, 6, 43. | 5.3 | 5 |
| 79 | In Vitro Self-Renewal Assays for Brain Tumor Stem Cells. Methods in Molecular Biology, 2019, 1869, 79-84. | 0.9 | 5 |
| 80 | Generation of Murine Xenograft Models of Brain Tumors from Primary Human Tissue for In Vivo Analysis of the Brain Tumor-Initiating Cell. Methods in Molecular Biology, 2014, 1210, 37-49. | 0.9 | 5 |
| 81 | InÂvitro evaluation of CAR-T cells in patient-derived glioblastoma models. STAR Protocols, 2021, 2, 100920. | 1.2 | 5 |
| 82 | Childhood Medulloblastoma: An Overview. Methods in Molecular Biology, 2022, 2423, 1-12. | 0.9 | 5 |
| 83 | Delirium and other neuropsychiatric manifestations of COVID-19 infection in people with preexisting psychiatric disorders: a systematic review. Journal of Medical Case Reports, 2021, 15, 586. | 0.8 | 5 |
| 84 | Dual Antigen T Cell Engagers Targeting CA9 as an Effective Immunotherapeutic Modality for Targeting CA9 in Solid Tumors. Frontiers in Immunology, 0, 13, . | 4.8 | 5 |
| 85 | The effectiveness of interventions to treat obesity in survivors of childhood brain tumors: a systematic review protocol. Systematic Reviews, 2016, 5, 101. | 5.3 | 4 |
| 86 | Development of a Patient-Derived Xenograft Model Using Brain Tumor Stem Cell Systems to Study Cancer. Methods in Molecular Biology, 2016, 1458, 231-245. | 0.9 | 4 |
| 87 | Development of an Atypical Teratoid Rhabdoid Tumor in a Meningioma. International Journal of Surgical Pathology, 2017, 25, 567-572. | 0.8 | 4 |
| 88 | Salvage Therapy for Childhood Medulloblastoma: A Single Center Experience. Canadian Journal of Neurological Sciences, 2019, 46, 403-414. | 0.5 | 4 |
| 89 | Evolution of brain tumor-initiating cell research: in pursuit of a moving target. Future Neurology, 2013, 8, 1-3. | 0.5 | 3 |
| 90 | Preclinical Modeling and Therapeutic Avenues for Cancer Metastasis to the Central Nervous System. Frontiers in Oncology, 2017, 7, 220. | 2.8 | 3 |

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|---|---|---|---|
| 91 | Differentiation of Brain Tumor Initiating Cells. Methods in Molecular Biology, 2019, 1869, 85-91. | 0.9 | 2 |
| 92 | WNT: an unexpected tumor suppressor in medulloblastoma. Molecular and Cellular Oncology, 2020, 7, 1834903. | 0.7 | 2 |
| 93 | Identification of five important genes to predict glioblastoma subtypes. Neuro-Oncology Advances, 2021, 3, vdab144. | 0.7 | 2 |
| 94 | Flow Cytometric Analysis of Brain Tumor Stem Cells. Methods in Molecular Biology, 2019, 1869, 69-77. | 0.9 | 2 |
| 95 | Real-time evaluation of a hydrogel delivery vehicle for cancer immunotherapeutics within embedded spheroid cultures. Journal of Controlled Release, 2022, 348, 386-396. | 9.9 | 2 |
| 96 | Brain tumor initiating cells: with great technology will come greater understanding. Future Neurology, 2017, 12, 223-236. | 0.5 | 1 |
| 97 | In Vivo Murine Models of Brain Metastasis. Methods in Molecular Biology, 2019, 1869, 231-238. | 0.9 | 1 |
| 98 | Assessing the Safety of a Cell-Based Immunotherapy for Brain Cancers Using a Humanized Model of Hematopoiesis. STAR Protocols, 2020, 1, 100124. | 1.2 | 1 |
| 99 | Revealed: The spy who regulates neuroblastoma stem cells. Oncotarget, 2014, 5, 11014-11016. | 1.8 | 1 |
| 100 | Cancer Stem Cells in Brain Cancer. , 2011, , 37-56. | | 1 |
| 101 | The Road to CAR T-Cell Therapies for Pediatric CNS Tumors: Obstacles and New Avenues. Frontiers in Oncology, 2022, 12, 815726. | 2.8 | 1 |
| 102 | Brain Tumor Genomics. , 2014, , 321-338. | | 0 |
| 103 | Reply to Letter. Annals of Surgery, 2015, 262, e114-e115. | 4.2 | 0 |
| 104 | Letter to the Editor: Temporal evolution of medulloblastoma subgroups. Journal of Neurosurgery: Pediatrics, 2015, 16, 349-351. | 1.3 | 0 |
| 105 | Flow-Cytometric Identification and Characterization of Neural Brain Tumor-Initiating Cells for Pathophysiological Study and Biomedical Applications. , 2015, , 199-211. | | 0 |
| 106 | MEDU-44. MUSASHI-1 IS A MASTER REGULATOR OF ABERRANT TRANSLATION IN GROUP 3 MEDULLOBLASTOMA. Neuro-Oncology, 2019, 21, ii112-ii113. | 1.2 | 0 |
| 107 | In Vitro Assays for Screening Small Molecules. Methods in Molecular Biology, 2019, 1869, 189-196. | 0.9 | 0 |
| 108 | Intratumoral heterogeneity associated with glioblastoma drug response and resistance. , 2021, , 185-199. | | 0 |

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| 109 | NGMA-5. An in vivo functional genomics screen to identify novel drivers of lung-to-brain metastasis. Neuro-Oncology Advances, 2021, 3, ii5-ii5. | 0.7 | 0 |
| 110 | BSCI-18. Identifying novel drivers of lung-to-brain metastasis through in vivo functional genomics. Neuro-Oncology Advances, 2021, 3, iii5-iii5. | 0.7 | 0 |
| 111 | Origins of Metastasis-Initiating Cells. , 2012, , 229-246. | | 0 |
| 112 | Identification and Co-Targeting of EphA2/EphA3 Cancer Stem Cells in Recurrent Human Glioblastoma. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 113 | Comparison of two drainage systems on chronic subdural hematoma (CSDH) recurrence. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2021, 0, . | 0.8 | 0 |
| 114 | Low and steady wins the race: for melanoma-brain metastases, is prevention better than a cure?. Neuro-Oncology, 2021, , . | 1.2 | 0 |