

# Mark Bernstein

## List of Publications by Year in descending order

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107  
papers

3,052  
citations

236925

25  
h-index

175258

52  
g-index

110  
all docs

110  
docs citations

110  
times ranked

4482  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single cell-derived clonal analysis of human glioblastoma links functional and genomic heterogeneity. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 851-856.	7.1	321
2	C1-C2 Posterior Cervical Fusion. Neurosurgery, 1995, 37, 688-693.	1.1	229
3	Surgical innovation or surgical evolution: an ethical and practical guide to handling novel neurosurgical procedures. Journal of Neurosurgery, 2004, 100, 2-7.	1.6	228
4	Cerebral Hyperperfusion after Carotid Endarterectomy: A Cause of Cerebral Hemorrhage. Neurosurgery, 1984, 15, 50-56.	1.1	225
5	Inhibition of Dopamine Receptor D4 Impedes Autophagic Flux, Proliferation, and Survival of Glioblastoma Stem Cells. Cancer Cell, 2016, 29, 859-873.	16.8	169
6	ASCL1 Reorganizes Chromatin to Direct Neuronal Fate and Suppress Tumorigenicity of Glioblastoma Stem Cells. Cell Stem Cell, 2017, 21, 209-224.e7.	11.1	150
7	Complications of First Craniotomy for Intra-Axial Brain Tumour. Canadian Journal of Neurological Sciences, 1994, 21, 213-218.	0.5	140
8	Outpatient Craniotomy for Brain Tumor: A Pilot Feasibility Study in 46 Patients. Canadian Journal of Neurological Sciences, 2001, 28, 120-124.	0.5	98
9	MLL5 Orchestrates a Cancer Self-Renewal State by Repressing the Histone Variant H3.3 and Globally Reorganizing Chromatin. Cancer Cell, 2015, 28, 715-729.	16.8	90
10	Microsurgical Resection of Solitary Intramedullary Spinal Cord Metastases. Neurosurgery, 1987, 21, 911-915.	1.1	85
11	Wnt and Notch signaling govern self-renewal and differentiation in a subset of human glioblastoma stem cells. Genes and Development, 2019, 33, 498-510.	5.9	74
12	Interstitial Brachytherapy for Malignant Brain Tumors: Preliminary Results. Neurosurgery, 1990, 26, 371-380.	1.1	70
13	Same-day discharge after craniotomy for supratentorial tumour surgery: a retrospective observational single-centre study. Canadian Journal of Anaesthesia, 2016, 63, 1245-1257.	1.6	54
14	Salvage Radiosurgery for Brain Metastases: Prognostic Factors to Consider in Patient Selection. International Journal of Radiation Oncology Biology Physics, 2014, 88, 137-142.	0.8	48
15	Stereotactic Management of Bacterial Brain Abscesses. Canadian Journal of Neurological Sciences, 1996, 23, 34-39.	0.5	46
16	Chiari Malformation in Adults: A Review of 40 Cases. Canadian Journal of Neurological Sciences, 1986, 13, 221-228.	0.5	45
17	Acute Subdural Hematoma from Ruptured Posterior Communicating Artery Aneurysm. Neurosurgery, 1988, 22, 151-154.	1.1	38
18	A Qualitative Study of Attitudes Toward Error in Patients Facing Brain Tumour Surgery. Canadian Journal of Neurological Sciences, 2004, 31, 208-212.	0.5	37

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19	Syringomyelia as a Complication of Tuberculous Meningitis. Canadian Journal of Neurological Sciences, 1992, 19, 84-87.	0.5	34
20	The role of surgery in low grade gliomas. , 1999, 42, 259-269.		30
21	The Use of Cone Beam Computed Tomography for Image Guided Gamma Knife Stereotactic Radiosurgery: Initial Clinical Evaluation. International Journal of Radiation Oncology Biology Physics, 2016, 96, 214-220.	0.8	30
22	Global neurosurgery: models for international surgical education and collaboration at one university. Neurosurgical Focus, 2018, 45, E5.	2.3	30
23	Challenging beliefs and ethical concepts: the collateral damage of SARS. Critical Care, 2003, 7, 269.	5.8	29
24	Serum lactate as a potential biomarker of non-gliar brain tumors. Journal of Clinical Neuroscience, 2015, 22, 1625-1627.	1.5	28
25	A Qualitative Assessment of the Benefits and Challenges of International Neurosurgical Teaching Collaboration in Ethiopia. World Neurosurgery, 2014, 82, 980-986.	1.3	27
26	Errors in Neurosurgery. Neurosurgery Clinics of North America, 2015, 26, 149-155.	1.7	27
27	Outcomes following stereotactic radiosurgery for small to medium-sized brain metastases are exceptionally dependent upon tumor size and prescribed dose. Neuro-Oncology, 2019, 21, 242-251.	1.2	27
28	Wrong-side surgery: systems for prevention. Canadian Journal of Surgery, 2003, 46, 144-6.	1.2	27
29	Factors Affecting Surgical Decisionmaking—A Qualitative Study. Rambam Maimonides Medical Journal, 2018, 9, e0003.	1.0	26
30	3D printing in neurosurgery education: a review. 3D Printing in Medicine, 2021, 7, 9.	3.1	25
31	Lhermitte-Duclos Disease: Literature Review and Novel Treatment Strategy. Canadian Journal of Neurological Sciences, 1997, 24, 155-160.	0.5	24
32	Iatrogenic seeding of anaplastic astrocytoma following stereotactic biopsy. , 1998, 36, 243-246.		24
33	Ethical dilemmas encountered while operating and teaching in a developing country. Canadian Journal of Surgery, 2004, 47, 170-2.	1.2	22
34	Interstitial Irradiation of Skull Base Tumours. Canadian Journal of Neurological Sciences, 1985, 12, 366-370.	0.5	20
35	Conflict of interest: it is ethical for an investigator to also be the primary care-giver in a clinical trial. Journal of Neuro-Oncology, 2003, 63, 107-108.	2.9	20
36	Doctors' Duty to Disclose Error: A Deontological or Kantian Ethical Analysis. Canadian Journal of Neurological Sciences, 2004, 31, 169-174.	0.5	20

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37	How Surgical Trainees Handle Catastrophic Errors: A Qualitative Study. <i>Journal of Surgical Education</i> , 2015, 72, 1179-1184.	2.5	20
38	Economics, Innovation, and Quality Improvement in Neurosurgery. <i>Neurosurgery Clinics of North America</i> , 2015, 26, 197-205.	1.7	20
39	Outpatient neurosurgery. <i>Expert Review of Neurotherapeutics</i> , 2016, 16, 425-436.	2.8	20
40	The Effects of Brain Tumours upon Medical Decision-Making Capacity. <i>Current Oncology Reports</i> , 2019, 21, 55.	4.0	18
41	Neurosurgical management of adult diffuse low grade gliomas in Canada: a multi-center survey. <i>Journal of Neuro-Oncology</i> , 2016, 126, 137-149.	2.9	16
42	Anesthesia for Same Day Discharge After Craniotomy: Review of a Single Center Experience. <i>Journal of Neurosurgical Anesthesiology</i> , 2018, 30, 299-304.	1.2	16
43	Hospital costs associated with inpatient versus outpatient awake craniotomy for resection of brain tumors. <i>Journal of Clinical Neuroscience</i> , 2019, 59, 162-166.	1.5	15
44	A Phase II Study of Neoadjuvant Stereotactic Radiosurgery for Large Brain Metastases: Clinical Trial Protocol. <i>Neurosurgery</i> , 2020, 87, 403-407.	1.1	15
45	Payment of research subjects involved in clinical trials is unethical. <i>Journal of Neuro-Oncology</i> , 2003, 63, 223-224.	2.9	14
46	Radiosurgery for brainstem metastases with and without whole brain radiotherapy: clinical series and literature review. <i>Journal of Radiation Oncology</i> , 2017, 6, 21-30.	0.7	13
47	Is there too much variability in technical neurosurgery decision-making? Virtual Tumour Board of a challenging case. <i>Acta Neurochirurgica</i> , 2009, 151, 411-413.	1.7	12
48	Under-recognized mental incapacity in brain tumour patients. <i>Nature Reviews Neurology</i> , 2014, 10, 487-488.	10.1	12
49	Models of Neurosurgery International Aid and their Potential Ethical Pitfalls. <i>The Virtual Mentor: VM</i> , 2015, 17, 49-55.	0.3	12
50	Sources of delayed provision of neurosurgical care in a rural kenyan setting. , 2015, 6, 32.		11
51	Management and Outcomes in the Oldest-Old Population with Glioblastoma. <i>Canadian Journal of Neurological Sciences</i> , 2018, 45, 199-205.	0.5	10
52	Awake Craniotomy in a Low- to Middle-Income Country: A Sustainability Analysis. <i>World Neurosurgery</i> , 2018, 118, 332-341.	1.3	10
53	Clinicopathologic and Treatment Features of Long-Term Surviving Brain Metastasis Patients. <i>Current Oncology</i> , 2021, 28, 549-559.	2.2	10
54	Is outpatient brain tumor surgery feasible in India?. <i>Neurology India</i> , 2016, 64, 886.	0.4	10

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55	Importance of Cobalt-60 Dose Rate and Biologically Effective Dose on Local Control for Intracranial Meningiomas Treated With Stereotactic Radiosurgery. <i>Neurosurgery</i> , 2022, 90, 140-147.	1.1	10
56	Effect of Implant Dose/Volume and Surgical Resection on Survival in a Rat Glioma Brachytherapy Model: Implications for Brain Tumor Therapy. <i>Neurosurgery</i> , 1997, 41, 1374-1383.	1.1	9
57	Adenoviral vector-mediated gene transfer: timing of wild-type p53 gene expression in vivo and effect of tumor transduction on survival in a rat glioma brachytherapy model. <i>Journal of Neuro-Oncology</i> , 2000, 49, 27-39.	2.9	9
58	Comparison of oncometabolite 2-hydroxyglutarate (2HG) levels in mutant isocitrate dehydrogenase (IDH) versus wild-type (WT) glioma tissues.. <i>Journal of Clinical Oncology</i> , 2016, 34, 2028-2028.	1.6	9
59	Exploratory Analysis into Reasonable Timeframes for the Provision of Neurosurgical Care in Low- and Middle-Income Countries. <i>World Neurosurgery</i> , 2018, 117, e679-e691.	1.3	8
60	Brain Metastases: A Modern Multidisciplinary Approach. <i>Canadian Journal of Neurological Sciences</i> , 2021, 48, 189-197.	0.5	8
61	Same day discharge for craniotomy. <i>Current Opinion in Anaesthesiology</i> , 2021, 34, 569-574.	2.0	8
62	Radiation Dose Rate, Biologically Effective Dose, and Tumor Characteristics on Local Control and Toxicity After Radiosurgery for Acoustic Neuromas. <i>World Neurosurgery</i> , 2021, 152, e512-e522.	1.3	8
63	“Going Home [Is] Just a Feel-Good Idea With No Structure”: A Qualitative Exploration of Patient and Family Caregiver Needs When Transitioning From Hospital to Home in Palliative Care. <i>Journal of Pain and Symptom Management</i> , 2021, 62, e9-e19.	1.2	8
64	Framework for bioethical assessment of an article on therapy. <i>Journal of Neurosurgery</i> , 2003, 98, 485-490.	1.6	7
65	Patient Perspectives Regarding Ethics of Spinal Column Stimulators in the Surgical Management of Persistent Postoperative Neuropathic Pain. <i>Neuromodulation</i> , 2017, 20, 274-278.	0.8	6
66	Impact of EGFR mutation on outcomes following SRS for brain metastases in non-small cell lung cancer. <i>Lung Cancer</i> , 2021, 155, 34-39.	2.0	6
67	Should a Medical/Surgical Specialist with Formal Training in Bioethics Provide Health Care Ethics Consultation in his/her Own Area of Speciality?. <i>HEC Forum</i> , 2003, 15, 274-286.	0.8	5
68	Surgical outreach clinics in Canada: one neurosurgeon's experience. <i>Canadian Journal of Surgery</i> , 2004, 47, 25-8.	1.2	5
69	Perioperative Factors Affecting Readmission After Awake Craniotomy: Analysis of 609 Consecutive Cases. <i>World Neurosurgery</i> , 2022, 158, e476-e487.	1.3	5
70	Early palliative interventions for improving outcomes in people with a primary malignant brain tumour and their carers. <i>The Cochrane Library</i> , 2022, 2022, CD013440.	2.8	5
71	Ethical Considerations in Surgical Decompression for Stroke. <i>Stroke</i> , 2022, 53, 2673-2682.	2.0	5
72	Brain necrosis after permanent low-activity iodine-125 implants: case report and review of toxicity from focal radiation. <i>Brain Tumor Pathology</i> , 2000, 17, 139-145.	1.7	4

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73	Surgical planning error: what's in a name?. <i>Lancet, The</i> , 2003, 362, 908.	13.7	4
74	Patientsâ€™ views on priority setting in neurosurgery: A qualitative study. <i>British Journal of Neurosurgery</i> , 2016, 30, 16-22.	0.8	4
75	Neurosurgical patientsâ€™ perceptions of the â€œsurgeon+â€ a qualitative study. <i>Journal of Neurosurgery</i> , 2016, 124, 849-853.	1.6	4
76	Loss of relationship: a qualitative study of families and healthcare providers after patient death and home-based palliative care ends. <i>Annals of Palliative Medicine</i> , 2019, 8, 130-139.	1.2	4
77	Comparison of 2-hydroxyglutarate (2HG) levels in tissue and serum of isocitrate dehydrogenase (IDH)-mutated (MUT) versus wild-type (WT) gliomas.. <i>Journal of Clinical Oncology</i> , 2017, 35, 2037-2037.	1.6	4
78	Factors correlating with survival following adjuvant or definitive radiosurgery for large brain metastases. <i>Neuro-Oncology</i> , 2022, 24, 1925-1934.	1.2	4
79	Out of Africa, for now. <i>Canadian Journal of Neurological Sciences</i> , 2011, 38, 373-374.	0.5	3
80	The â€œSAFEâ€ Neurosurgical Sign-out. <i>World Neurosurgery</i> , 2014, 81, e21-e23.	1.3	3
81	Metastatic sacrococcygeal chordoma. <i>Journal of Clinical Neuroscience</i> , 2016, 23, 149-152.	1.5	3
82	Assessment of caregiver burden in patients undergoing in- and out-patient neurosurgery. <i>Journal of Clinical Neuroscience</i> , 2021, 88, 83-87.	1.5	3
83	House of Healing, House of Disrespect: A Kantian Perspective on Disrespectful Behaviour among Hospital Workers. <i>Healthcare Quarterly</i> , 2002, 6, 62-65.	0.7	3
84	A novel mechanism of toxic injury to the Papez circuit from chemotherapy. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 760-762.	1.5	2
85	Outcomes of presumed malignant glioma treated without pathological confirmation: a retrospective, single-center analysis. <i>Neuro-Oncology Practice</i> , 2020, 7, 446-452.	1.6	2
86	Brain radiosurgery and ipilimumab (Ipi) in melanoma brain metastases (MBM) patients: Does an enhanced immune response induce radionecrosis (RN)?. <i>Journal of Clinical Oncology</i> , 2015, 33, e20019-e20019.	1.6	2
87	Advancing neuropalliative care. <i>Lancet Neurology, The</i> , 2021, 20, 886.	10.2	2
88	SARS and Ethics. <i>Healthcare Quarterly</i> , 2003, 7, 38-40.	0.7	2
89	Neuropalliative care for the neurosurgeon: a primer. <i>Journal of Neurosurgery</i> , 2022, 137, 850-858.	1.6	2
90	Benzodiazepine Sedation and Postoperative Neurological Deficits after Awake Craniotomy for Brain Tumor â€” An Exploratory Retrospective Cohort Study. <i>Frontiers in Oncology</i> , 2022, 12, 885164.	2.8	2

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91	Early palliative interventions for improving outcomes in people with a primary malignant brain tumour and their carers. The Cochrane Library, 0, , .	2.8	1
92	Ethical issues in molecular medicine of relevance to surgeons. Canadian Journal of Surgery, 2004, 47, 414-21.	1.2	1
93	Assessing the bioethical integrity of a clinical trial in surgery. Canadian Journal of Surgery, 2004, 47, 329-32.	1.2	1
94	Elective Neurosurgical Office Consultations: How Well Are Patients Informed?. Canadian Journal of Public Health, 1998, 89, 280-283.	2.3	0
95	Anesthesia for day case craniotomy. Canadian Journal of Anaesthesia, 2008, 55, 4728361-4728361.	1.6	0
96	An Unusual Patient Request. Canadian Journal of Neurological Sciences, 2009, 36, 398.	0.5	0
97	Olive. Canadian Journal of Neurological Sciences, 2010, 37, 422-422.	0.5	0
98	The Sciaticons. Canadian Journal of Neurological Sciences, 2010, 37, 706-706.	0.5	0
99	MNGO-18. MANAGEMENT OF MULTIPLE MENINGIOMAS. Neuro-Oncology, 2016, 18, vi105-vi105.	1.2	0
100	Are neurosurgeons prepared to electively resample glioblastoma in patients without symptomatic relapse? A qualitative study. British Journal of Neurosurgery, 2016, 30, 318-322.	0.8	0
101	Surgical Paradigms in Diffuse Low-grade Glioma: Insular Glioma Case Illustration. Canadian Journal of Neurological Sciences, 0, , 1-5.	0.5	0
102	MLTI-06. Surgical resection plus stereotactic radiosurgery versus SRS alone for large brain metastases: a comparative study. Neuro-Oncology Advances, 2021, 3, iii14-iii14.	0.7	0
103	Facts and Opinions: Abetting Emigration of Canada's Nurses and Doctors. Healthcare Quarterly, 2005, 8, 8-10.	0.7	0
104	Effect of molecular profile in non-small cell lung carcinoma on the development of brain metastases.. Journal of Clinical Oncology, 2016, 34, e20640-e20640.	1.6	0
105	Cognitive support program for patients with brain metastases.. Journal of Clinical Oncology, 2017, 35, TPS2086-TPS2086.	1.6	0
106	Author's Reply: Resurgence of day care surgery in Neurosurgery. Neurology India, 2017, 65, 230.	0.4	0
107	Barriers and facilitators in the implementation of a telemedicine-based outpatient brain tumor surgery program. Neurosurgical Focus, 2022, 52, E8.	2.3	0