

Michael M Haglund

List of Publications by Year in descending order

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121
papers

5,763
citations

116194
36
h-index

90395
73
g-index

123
all docs

123
docs citations

123
times ranked

4919
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine Learning for Predicting In-Hospital Mortality After Traumatic Brain Injury in Both High-Income and Low- and Middle-Income Countries. <i>Neurosurgery</i> , 2022, 90, 605-612.	0.6	13
2	Machine Learning for Predicting Discharge Disposition After Traumatic Brain Injury. <i>Neurosurgery</i> , 2022, 90, 768-774.	0.6	6
3	Deep Learning to Predict Traumatic Brain Injury Outcomes in the Low-Resource Setting. <i>World Neurosurgery</i> , 2022, 164, e8-e16.	0.7	8
4	Intraoperative microseizure detection using a high-density micro-electrocorticography electrode array. <i>Brain Communications</i> , 2022, 4, .	1.5	10
5	Understanding the cultural context of epilepsy care in Uganda: Introduction to this special issue. <i>Epilepsy and Behavior</i> , 2021, 114, 107293.	0.9	1
6	Sociocultural determinants and patterns of healthcare utilization for epilepsy care in Uganda. <i>Epilepsy and Behavior</i> , 2021, 114, 107304.	0.9	8
7	Epilepsy beliefs and misconceptions among patient and community samples in Uganda. <i>Epilepsy and Behavior</i> , 2021, 114, 107300.	0.9	10
8	Healthcare provider perspectives regarding epilepsy care in Uganda. <i>Epilepsy and Behavior</i> , 2021, 114, 107294.	0.9	10
9	Barriers to biomedical care for people with epilepsy in Uganda: A cross-sectional study. <i>Epilepsy and Behavior</i> , 2021, 114, 107349.	0.9	6
10	Validity of the Personal Impact of Epilepsy Scale (PIES) in patients with epilepsy in Uganda. <i>Epilepsy and Behavior</i> , 2021, 114, 107303.	0.9	5
11	Stigma reduction interventions for epilepsy: A systematized literature review. <i>Epilepsy and Behavior</i> , 2021, 114, 107381.	0.9	27
12	Stakeholder views of the practical and cultural barriers to epilepsy care in Uganda. <i>Epilepsy and Behavior</i> , 2021, 114, 107314.	0.9	11
13	Predicting the Individual Treatment Effect of Neurosurgery for Patients with Traumatic Brain Injury in the Low-Resource Setting: A Machine Learning Approach in Uganda. <i>Journal of Neurotrauma</i> , 2021, 38, 928-939.	1.7	13
14	Pluralistic and singular causal attributions for epilepsy in Uganda. <i>Epilepsy and Behavior</i> , 2021, 114, 107334.	0.9	5
15	Leveraging the lessons learned from studies on the cultural context of epilepsy care in Uganda: Opportunities and future directions. <i>Epilepsy and Behavior</i> , 2021, 114, 107302.	0.9	2
16	Hospital-based epilepsy care in Uganda: A prospective study of three major public referral hospitals. <i>Epilepsy and Behavior</i> , 2021, 114, 107301.	0.9	4
17	The Surgical Autonomy Program: A Pilot Study of Social Learning Theory Applied to Competency-Based Neurosurgical Education. <i>Neurosurgery</i> , 2021, 88, E345-E350.	0.6	9
18	Commentary: "Everyone Needs an Ally" Piloting Peer-CALLY, a Peer-Coaching Program Using Existing Resources for Neurosurgery Residents. <i>Neurosurgery</i> , 2021, 88, E558-E561.	0.6	1

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19	Surgical intervention and patient factors associated with poor outcomes in patients with traumatic brain injury at a tertiary care hospital in Uganda. <i>Journal of Neurosurgery</i> , 2021, 135, 1569-1578.	0.9	2
20	Estimating prognosis for traumatic brain injury patients in a low-resource setting: how do providers compare to the CRASH risk calculator?. <i>Journal of Neurosurgery</i> , 2021, 134, 1285-1293.	0.9	5
21	Flexible, high-resolution thin-film electrodes for human and animal neural research. <i>Journal of Neural Engineering</i> , 2021, 18, 045009.	1.8	28
22	Corticosteroid Randomization after Significant Head Injury and International Mission for Prognosis and Clinical Trials in Traumatic Brain Injury Models Compared with a Machine Learning-Based Predictive Model from Tanzania. <i>Journal of Neurotrauma</i> , 2021, , .	1.7	5
23	Long-term follow-up of neurosurgical outcomes for adult patients in Uganda with traumatic brain injury. <i>Journal of Neurosurgery</i> , 2021, 134, 1929-1939.	0.9	2
24	Task-Shifting and Task-Sharing in Neurosurgery: An International Survey of Current Practices in Low- and Middle-Income Countries. <i>World Neurosurgery: X</i> , 2020, 6, 100059.	0.6	22
25	Global Perspectives on Task Shifting and Task Sharing in Neurosurgery. <i>World Neurosurgery: X</i> , 2020, 6, 100060.	0.6	35
26	Alcohol stigma as it relates to drinking behaviors and perceptions of drink drivers: A mixed method study in Moshi, Tanzania. <i>Alcohol</i> , 2020, 88, 73-81.	0.8	6
27	Injury patients' perceptions of drink-driving: A qualitative assessment of drink-driving behavior in Moshi, Tanzania. <i>PLoS ONE</i> , 2020, 15, e0230662.	1.1	3
28	The College of Surgeons of East, Central, and Southern Africa: Successes and Challenges in Standardizing Neurosurgical Training. <i>World Neurosurgery</i> , 2020, 136, 172-177.	0.7	20
29	Boda Bodas and Road Traffic Injuries in Uganda: An Overview of Traffic Safety Trends from 2009 to 2017. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2110.	1.2	10
30	A Smartphone App With a Digital Care Pathway for Patients Undergoing Spine Surgery: Development and Feasibility Study. <i>JMIR Perioperative Medicine</i> , 2020, 3, e21138.	0.3	16
31	A traumatic brain injury prognostic model to support in-hospital triage in a low-income country: a machine learning-based approach. <i>Journal of Neurosurgery</i> , 2020, 132, 1961-1969.	0.9	23
32	Influence of Caretakers' Health Literacy on Delays to Traumatic Brain Injury Care in Uganda. <i>Annals of Global Health</i> , 2020, 86, 127.	0.8	4
33	An Attitude Survey and Assessment of the Feasibility, Acceptability, and Usability of a Traumatic Brain Injury Decision Support Tool in Uganda. <i>World Neurosurgery</i> , 2020, 139, 495-504.	0.7	3
34	Mixed-method analysis of barriers to surgical care in Uganda. <i>International Journal of Surgery Global Health</i> , 2020, 3, e21-e21.	0.2	0
35	Demographic Factors Associated with Patient-Reported Outcome Measures in Pain Management. <i>Pain Physician</i> , 2020, 23, 17-24.	0.3	1
36	Operative and consultative proportions of neurosurgical disease worldwide: estimation from the surgeon perspective. <i>Journal of Neurosurgery</i> , 2019, 130, 1098-1106.	0.9	26

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37	Central Nervous System Tumors in Uganda: Outcomes of Surgical Treatment and Complications Assessed Through Telephone Survey. <i>World Neurosurgery</i> , 2019, 129, e866-e880.	0.7	7
38	Surgical need among the ageing population of Uganda. <i>African Health Sciences</i> , 2019, 19, 1778.	0.3	5
39	Temporal Delays Along the Neurosurgical Care Continuum for Traumatic Brain Injury Patients at a Tertiary Care Hospital in Kampala, Uganda. <i>Neurosurgery</i> , 2019, 84, 95-103.	0.6	44
40	Long-term follow-up of pediatric head trauma patients treated at Mulago National Referral Hospital in Uganda. <i>Journal of Neurosurgery: Pediatrics</i> , 2019, 23, 125-132.	0.8	12
41	Global neurosurgery: innovators, strategies, and the way forward. <i>Journal of Neurosurgery</i> , 2019, 131, 993-999.	0.9	37
42	An evaluation of outcomes in patients with traumatic brain injury at a referral hospital in Tanzania: evidence from a survival analysis. <i>Neurosurgical Focus</i> , 2019, 47, E6.	1.0	18
43	History of awake mapping and speech and language localization: from modules to networks. <i>Neurosurgical Focus</i> , 2019, 47, E4.	1.0	25
44	Optimizing Care for Ugandans with Untreated Abdominal Surgical Conditions. <i>Annals of Global Health</i> , 2019, 85, .	0.8	1
45	Road traffic injuries: Cross-sectional cluster randomized countrywide population data from 4 low-income countries. <i>International Journal of Surgery</i> , 2018, 52, 237-242.	1.1	38
46	Life After the Neurosurgical Ward in Sub-Saharan Africa: Neurosurgical Treatment and Outpatient Outcomes in Uganda. <i>World Neurosurgery</i> , 2018, 113, e153-e160.	0.7	16
47	Prevalence of Surgically Untreated Face, Head, and Neck Conditions in Uganda: A Cross-Sectional Nationwide Household Survey. <i>World Neurosurgery</i> , 2018, 110, e747-e754.	0.7	9
48	Mechanism of Pediatric Traumatic Brain Injury in Southwestern Uganda: A Prospective Cohort of 100 Patients. <i>World Neurosurgery</i> , 2018, 114, e396-e402.	0.7	10
49	Seizure Outcomes in Occipital Lobe and Posterior Quadrant Epilepsy Surgery: A Systematic Review and Meta-Analysis. <i>Neurosurgery</i> , 2018, 82, 350-358.	0.6	34
50	Pediatric traumatic brain injury at Mbarara Regional Referral Hospital, Uganda. <i>Journal of Clinical Neuroscience</i> , 2018, 47, 79-83.	0.8	23
51	Rural and urban differences in treatment status among children with surgical conditions in Uganda. <i>PLoS ONE</i> , 2018, 13, e0205132.	1.1	22
52	Injury prevalence and safety habits of boda boda drivers in Moshi, Tanzania: A mixed methods study. <i>PLoS ONE</i> , 2018, 13, e0207570.	1.1	18
53	Availability of post-hospital services supporting community reintegration for children with identified surgical need in Uganda. <i>BMC Health Services Research</i> , 2018, 18, 727.	0.9	9
54	Trends in neurosurgical care in Western Uganda: an interrupted time series analysis. <i>Neurosurgical Focus</i> , 2018, 45, E15.	1.0	3

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55	A systematic review and quality analysis of pediatric traumatic brain injury clinical practice guidelines. PLoS ONE, 2018, 13, e0201550.	1.1	35
56	Introduction. Neurosurgical opportunities in global health inequities. Neurosurgical Focus, 2018, 45, E1.	1.0	9
57	Perioperative outcomes for pediatric neurosurgical procedures: analysis of the National Surgical Quality Improvement Program—Pediatrics. Journal of Neurosurgery: Pediatrics, 2017, 19, 361-371.	0.8	24
58	Estimating the Cost of Neurosurgical Procedures in a Low-Income Setting: An Observational Economic Analysis. World Neurosurgery, 2017, 101, 651-657.	0.7	19
59	Geospatial analysis of unmet pediatric surgical need in Uganda. Journal of Pediatric Surgery, 2017, 52, 1691-1698.	0.8	30
60	Road traffic injury in sub-Saharan African countries: A systematic review and summary of observational studies. Traffic Injury Prevention, 2017, 18, 767-773.	0.6	27
61	Burden of Surgical Conditions in Uganda. Annals of Surgery, 2017, 266, 389-399.	2.1	28
62	Epidemiology and Characteristics of Neurosurgical Conditions at Mbarara Regional Referral Hospital. World Neurosurgery, 2017, 102, 526-532.	0.7	38
63	Quality-of-life metrics with vagus nerve stimulation for epilepsy from provider survey data. Epilepsy and Behavior, 2017, 66, 4-9.	0.9	65
64	Pilot Use of a Novel Tool to Assess Neurosurgical Capacity in Uganda. World Neurosurgery, 2017, 108, 844-849.e4.	0.7	11
65	Past, Present, and Future of Neurosurgery in Uganda. Neurosurgery, 2017, 80, 656-661.	0.6	29
66	Obituary. Robert H. Wilkins, MD, 1934–2017. Journal of Neurosurgery, 2017, 127, 1457-1458.	0.9	1
67	Geospatial Analysis of Unmet Surgical Need in Uganda: An Analysis of SOSAS Survey Data. World Journal of Surgery, 2017, 41, 353-363.	0.8	11
68	Surgical Care Capacity in Uganda: Government Versus Private Sector Investment. International Surgery, 2017, 102, 387-393.	0.0	1
69	Epidemiology of pediatric surgical needs in low-income countries. PLoS ONE, 2017, 12, e0170968.	1.1	85
70	A prospective neurosurgical registry evaluating the clinical care of traumatic brain injury patients presenting to Mulago National Referral Hospital in Uganda. PLoS ONE, 2017, 12, e0182285.	1.1	49
71	Differential gene expression in dentate granule cells in mesial temporal lobe epilepsy with and without hippocampal sclerosis. Epilepsia, 2016, 57, 376-385.	2.6	25
72	Building neurosurgical capacity in low and middle income countries. ENeurologicalSci, 2016, 3, 1-6.	0.5	84

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73	Pediatric Neurosurgical Outcomes Following a Neurosurgery Health System Intervention at Mulago National Referral Hospital in Uganda. <i>World Neurosurgery</i> , 2016, 95, 309-314.	0.7	25
74	Quantifying the pediatric surgical need in Uganda: results of a nationwide cross-sectional, household survey. <i>Pediatric Surgery International</i> , 2016, 32, 1075-1085.	0.6	63
75	Letter. <i>Neurosurgery</i> , 2016, 79, E544-E545.	0.6	18
76	Intraoperative ECoG During MRI-Guided Laser-Interstitial Thermal Therapy for Intractable Epilepsy. <i>Journal of Clinical Neurophysiology</i> , 2016, 33, e28-e30.	0.9	12
77	Pilot study of a population-based survey to assess the prevalence of surgical conditions in Uganda. <i>Surgery</i> , 2015, 158, 764-772.	1.0	11
78	Difficult Conversations: A National Course for Neurosurgery Residents in Physician-Patient Communication. <i>Journal of Surgical Education</i> , 2015, 72, 394-401.	1.2	26
79	Distribution and Characteristics of Severe Traumatic Brain Injury at Mulago National Referral Hospital in Uganda. <i>World Neurosurgery</i> , 2015, 83, 269-277.	0.7	64
80	Surgeons OverSeas Assessment of Surgical Need (SOSAS) Uganda: Update for Household Survey. <i>World Journal of Surgery</i> , 2015, 39, 2900-2907.	0.8	28
81	Worse outcomes for patients undergoing brain tumor and cerebrovascular procedures following the ACGME resident duty-hour restrictions. <i>Journal of Neurosurgery</i> , 2014, 121, 262-276.	0.9	52
82	Morbidity, mortality, and health care costs for patients undergoing spine surgery following the ACGME resident duty-hour reform. <i>Journal of Neurosurgery: Spine</i> , 2014, 21, 502-515.	0.9	38
83	Central Nervous System Tumor Distribution at a Tertiary Referral Center in Uganda. <i>World Neurosurgery</i> , 2014, 82, 258-265.	0.7	16
84	Quantitative Mapping of Hemodynamics in the Lung, Brain, and Dorsal Window Chamberâ€Grown Tumors Using a Novel, Automated Algorithm. <i>Microcirculation</i> , 2013, 20, 724-735.	1.0	21
85	Multimodality Word-Finding Distinctions in Cortical Stimulation Mapping. <i>Neurosurgery</i> , 2013, 73, 36-47.	0.6	8
86	Reorganization and Stability for Motor and Language Areas Using Cortical Stimulation: Case Example and Review of the Literature. <i>Brain Sciences</i> , 2013, 3, 1597-1614.	1.1	8
87	Optical imaging of visual cortex epileptic foci and propagation pathways. <i>Epilepsia</i> , 2012, 53, 87-97.	2.6	16
88	Five percent CO2 is a potent, fast-acting inhalation anticonvulsant. <i>Epilepsia</i> , 2011, 52, 104-114.	2.6	92
89	Surgical Capacity Building in Uganda Through Twinning, Technology, and Training Camps. <i>World Journal of Surgery</i> , 2011, 35, 1175-1182.	0.8	98
90	Dynamic linear model analysis of optical imaging data acquired from the human neocortex. <i>Journal of Neuroscience Methods</i> , 2011, 199, 346-362.	1.3	9

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91	Sudden death from diffuse leptomeningeal oligodendrogliomatosis. <i>Journal of Neurosurgery: Spine</i> , 2011, 15, 625-629.	0.9	8
92	Correlation of intrinsic optical signal, cerebral blood flow, and evoked potentials during activation of rat somatosensory cortex. <i>Journal of Neurosurgery</i> , 2008, 109, 654-663.	0.9	5
93	Identification of distinct and overlapping cortical areas for bilingual naming and reading using cortical stimulation. <i>Journal of Neurosurgery: Pediatrics</i> , 2008, 1, 247-254.	0.8	18
94	Imaging of Intrinsic Optical Signals in Primate Cortex during Epileptiform Activity. <i>Epilepsia</i> , 2007, 48, 65-74.	2.6	20
95	Furosemide and Mannitol Suppression of Epileptic Activity in the Human Brain. <i>Journal of Neurophysiology</i> , 2005, 94, 907-918.	0.9	102
96	Optical Imaging of Epileptiform Activity in Human Neocortex. <i>Epilepsia</i> , 2004, 45, 43-47.	2.6	61
97	Possible Role for Vascular Cell Proliferation in Cerebral Vasospasm After Subarachnoid Hemorrhage. <i>Stroke</i> , 2003, 34, 427-433.	1.0	131
98	Phase II Trial of Carmustine Plus O6-Benzylguanine for Patients With Nitrosourea-Resistant Recurrent or Progressive Malignant Glioma. <i>Journal of Clinical Oncology</i> , 2002, 20, 2277-2283.	0.8	178
99	Observer Variability in Assessing Lumbar Spinal Stenosis Severity on Magnetic Resonance Imaging and Its Relation to Cross-Sectional Spinal Canal Area. <i>Spine</i> , 2002, 27, 1082-1086.	1.0	89
100	Use of vagal nerve stimulation as a treatment for refractory epilepsy in dogs. <i>Journal of the American Veterinary Medical Association</i> , 2002, 221, 977-983.	0.2	55
101	Electrophysiological correlates to the intrinsic optical signal in the rat neocortical slice. <i>Neuroscience Letters</i> , 2002, 317, 147-150.	1.0	12
102	Phase I Trial of Carmustine Plus O6-Benzylguanine for Patients With Recurrent or Progressive Malignant Glioma. <i>Journal of Clinical Oncology</i> , 2000, 18, 3522-3528.	0.8	125
103	Asymmetry of Neuronal Activity During Extracellular Microelectrode Recording from Left and Right Human Temporal Lobe Neocortex During Rhyming and Line-Matching. <i>Journal of Cognitive Neuroscience</i> , 2000, 12, 803-812.	1.1	10
104	Intraoperative hippocampal electrocorticography to predict the extent of hippocampal resection in temporal lobe epilepsy surgery. <i>Journal of Neurosurgery</i> , 2000, 93, 44-52.	0.9	144
105	Irinotecan Therapy in Adults With Recurrent or Progressive Malignant Glioma. <i>Journal of Clinical Oncology</i> , 1999, 17, 1516-1516.	0.8	339
106	Cerebral lateralization of neuronal activity during naming, reading and line-matching. <i>Cognitive Brain Research</i> , 1996, 4, 263-273.	3.3	57
107	Enhanced Optical Imaging of Human Gliomas and Tumor Margins. <i>Neurosurgery</i> , 1996, 38, 308-317.	0.6	158
108	Rapid Infusion System for Neurosurgical Treatment of Massive Intraoperative Hemorrhage. <i>Journal of Neurotrauma</i> , 1994, 11, 623-627.	1.7	10

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109	Cortical Localization of Temporal Lobe Language Sites in Patients with Gliomas. Neurosurgery, 1994, 34, 567-576.	0.6	300
110	Enhanced Optical Imaging of Rat Gliomas and Tumor Margins. Neurosurgery, 1994, 35, 930-941.	0.6	64
111	Cortical Localization of Temporal Lobe Language Sites in Patients with Gliomas. Neurosurgery, 1994, 34, 567-576.	0.6	363
112	Low-grade gliomas associated with intractable epilepsy: seizure outcome utilizing electrocorticography during tumor resection. Journal of Neurosurgery, 1993, 79, 62-69.	0.9	205
113	Optical imaging of bipolar cortical stimulation. Journal of Neurosurgery, 1993, 78, 785-793.	0.9	135
114	Thoracic Disc Disease. Neurosurgery, 1993, 33, 58-66.	0.6	110
115	Changes in gamma-aminobutyric acid and somatostatin in epileptic cortex associated with low-grade gliomas. Journal of Neurosurgery, 1992, 77, 209-216.	0.9	162
116	Optical imaging of epileptiform and functional activity in human cerebral cortex. Nature, 1992, 358, 668-671.	13.7	341
117	Intraventricular Hemorrhage in Blunt Head Trauma. Neurosurgery, 1992, 31, 678-685.	0.6	133
118	Symptomatic cerebral vasospasm following tumor resection: Report of two cases. World Neurosurgery, 1991, 36, 25-31.	1.3	51
119	Long-term efficacy of microvascular decompression in trigeminal neuralgia. Journal of Neurosurgery, 1988, 69, 35-38.	0.9	269
120	Spontaneous Rhythmic Synchronous Activity in Epileptic Human and Normal Monkey Temporal Lobe. Epilepsia, 1986, 27, 523-533.	2.6	169
121	Developmental and regional differences in the localization of Na,K-ATPase activity in the rabbit hippocampus. Brain Research, 1985, 343, 198-203.	1.1	72