

William B Gormley

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

2,439
citations

236925

25
h-index

214800

47
g-index

82
all docs

82
docs citations

82
times ranked

3325
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Frameless neuronavigation with computer vision and real-time tracking for bedside external ventricular drain placement: a cadaveric study. <i>Journal of Neurosurgery</i> , 2022, 136, 1475-1484. | 1.6 | 2 |
| 2 | Decreased Incidence of CSF Leaks after Skull Base Fractures in the 21st Century: An Institutional Report. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2022, 83, 059-065. | 0.8 | 5 |
| 3 | The low utility of routine cranial imaging after pediatric shunt revision. <i>Journal of Neurosurgery: Pediatrics</i> , 2022, 29, 276-282. | 1.3 | 2 |
| 4 | International practice variation in perioperative laboratory testing in glioblastoma patients—a retrospective cohort study. <i>Acta Neurochirurgica</i> , 2022, 164, 385-392. | 1.7 | 1 |
| 5 | Evaluation of simulation models in neurosurgical training according to face, content, and construct validity: a systematic review. <i>Acta Neurochirurgica</i> , 2022, 164, 947-966. | 1.7 | 23 |
| 6 | Venous Thromboembolism Risk and Outcomes Following Decompressive Craniectomy in Severe Traumatic Brain Injury: An Analysis of the Nationwide Inpatient Sample Database. <i>World Neurosurgery</i> , 2022, 161, e531-e545. | 1.3 | 3 |
| 7 | Seizure Outcomes After Interventional Treatment in Cerebral Arteriovenous Malformation—Associated Epilepsy: A Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , 2022, 160, e9-e22. | 1.3 | 2 |
| 8 | Commentary: Response to “Systematic review and meta-analysis of external ventricular drain placement accuracy and narrative review of guidance devices”. <i>Journal of Clinical Neuroscience</i> , 2022, 106, 238-239. | 1.5 | 1 |
| 9 | Survival prediction of glioblastoma patients—are we there yet? A systematic review of prognostic modeling for glioblastoma and its clinical potential. <i>Neurosurgical Review</i> , 2021, 44, 2047-2057. | 2.4 | 25 |
| 10 | Plasma PrPC and ADAM-10 as novel biomarkers for traumatic brain injury and concussion: a pilot study. <i>Brain Injury</i> , 2021, 35, 734-741. | 1.2 | 11 |
| 11 | Artificial Intelligence in Clinical Neurosurgery: More than Machinery. <i>World Neurosurgery</i> , 2021, 149, 302-303. | 1.3 | 2 |
| 12 | Extra-Axial Fluid Collections After Decompressive Craniectomy: Management, Outcomes, and Treatment Algorithm. <i>World Neurosurgery</i> , 2021, 149, e188-e196. | 1.3 | 0 |
| 13 | Classification of glioblastoma versus primary central nervous system lymphoma using convolutional neural networks. <i>Scientific Reports</i> , 2021, 11, 15219. | 3.3 | 21 |
| 14 | Expandable Versus Static Cages in Minimally Invasive Lumbar Interbody Fusion: A Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , 2021, 151, e607-e614. | 1.3 | 10 |
| 15 | Ruptured Suprasellar Dermoid Cyst Treated With Lumbar Drain to Prevent Postoperative Hydrocephalus: Case Report and Focused Review of Literature. <i>Frontiers in Surgery</i> , 2021, 8, 714771. | 1.4 | 3 |
| 16 | The Impact of Age and Severity on Dementia After Traumatic Brain Injury: A Comparison Study. <i>Neurosurgery</i> , 2021, 89, 810-818. | 1.1 | 10 |
| 17 | Incidence and Outcomes of Registry-Based Acute Myocardial Infarction After Aneurysmal Subarachnoid Hemorrhage. <i>Neurocritical Care</i> , 2021, , 1. | 2.4 | 0 |
| 18 | PATH-07. INFRATENTORIAL HIGH-GRADE GLIOMAS: NEUROSURGICAL CASE SERIES WITH MOLECULAR ANALYSIS. <i>Neuro-Oncology</i> , 2021, 23, vi116-vi116. | 1.2 | 0 |

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|----|--|-----|-----------|
| 19 | Task-Shifting and Task-Sharing in Neurosurgery: An International Survey of Current Practices in Low- and Middle-Income Countries. <i>World Neurosurgery</i> : X, 2020, 6, 100059. | 1.1 | 22 |
| 20 | An Online Calculator for the Prediction of Survival in Glioblastoma Patients Using Classical Statistics and Machine Learning. <i>Neurosurgery</i> , 2020, 86, E184-E192. | 1.1 | 75 |
| 21 | Task-Sharing for Emergency Neurosurgery: A Retrospective Cohort Study in the Philippines. <i>World Neurosurgery</i> : X, 2020, 6, 100058. | 1.1 | 16 |
| 22 | Global Perspectives on Task Shifting and Task Sharing in Neurosurgery. <i>World Neurosurgery</i> : X, 2020, 6, 100060. | 1.1 | 35 |
| 23 | Fibrinolytics and Intraventricular Hemorrhage: A Systematic Review and Meta-analysis. <i>Neurocritical Care</i> , 2020, 32, 262-271. | 2.4 | 19 |
| 24 | Routine Blood Tests for Severe Traumatic Brain Injury: Can They Predict Outcomes?. <i>World Neurosurgery</i> , 2020, 136, e60-e67. | 1.3 | 15 |
| 25 | Familial Predisposition and Differences in Radiographic Patterns in Spontaneous Nonaneurysmal Subarachnoid Hemorrhage. <i>Neurosurgery</i> , 2020, 88, 413-419. | 1.1 | 2 |
| 26 | Automating Clinical Chart Review: An Open-Source Natural Language Processing Pipeline Developed on Free-Text Radiology Reports From Patients With Glioblastoma. <i>JCO Clinical Cancer Informatics</i> , 2020, 4, 25-34. | 2.1 | 15 |
| 27 | Medullary Infarction Leading to Locked-In Syndrome Following Lumbar Puncture in a Patient with Basilar Invagination. <i>World Neurosurgery</i> , 2020, 137, 292-295. | 1.3 | 1 |
| 28 | Decreased Rate of CSF Leaks after Skull Base Fractures in the 21st Century: A Two-Institution Experience. , 2020, 81, . | | 0 |
| 29 | Divergence in the epidemiological estimates of traumatic brain injury in the United States: comparison of two national databases. <i>Journal of Neurosurgery</i> , 2020, , 1-10. | 1.6 | 1 |
| 30 | Oversight and Ethical Regulation of Conflicts of Interest in Neurosurgery in the United States. <i>Neurosurgery</i> , 2019, 84, 305-312. | 1.1 | 5 |
| 31 | Long-term outcomes among octogenarians with aneurysmal subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 2019, 131, 426-434. | 1.6 | 6 |
| 32 | Machine Learning Models can Detect Aneurysm Rupture and Identify Clinical Features Associated with Rupture. <i>World Neurosurgery</i> , 2019, 131, e46-e51. | 1.3 | 45 |
| 33 | Palliative Care and Communication Training in Neurosurgery Residency: Results of a Trainee Survey. <i>Journal of Surgical Education</i> , 2019, 76, 1691-1702. | 2.5 | 17 |
| 34 | Natural Language Processing for Automated Quantification of Brain Metastases Reported in Free-Text Radiology Reports. <i>JCO Clinical Cancer Informatics</i> , 2019, 3, 1-9. | 2.1 | 28 |
| 35 | International practice variation in postoperative imaging of chronic subdural hematoma patients. <i>Journal of Neurosurgery</i> , 2019, 131, 1912-1919. | 1.6 | 10 |
| 36 | Adverse Events After Microvascular Decompression: A National Surgical Quality Improvement Program Analysis. <i>World Neurosurgery</i> , 2019, 128, e884-e894. | 1.3 | 16 |

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|----|--|-----|-----------|
| 37 | Development of machine learning algorithms for prediction of prolonged opioid prescription after surgery for lumbar disc herniation. <i>Spine Journal</i> , 2019, 19, 1764-1771. | 1.3 | 75 |
| 38 | Unnecessary Diagnostics in Neurosurgery: Finding the Ethical Balance. <i>World Neurosurgery</i> , 2019, 125, 527-528. | 1.3 | 4 |
| 39 | Variance Reduction in Neurosurgical Practice: The Case for Analytics-Driven Decision Support in the Era of Big Data. <i>World Neurosurgery</i> , 2019, 126, e190-e195. | 1.3 | 4 |
| 40 | Neurosurgical complications: what the radiologist needs to know. <i>Emergency Radiology</i> , 2019, 26, 331-340. | 1.8 | 4 |
| 41 | In Reply to the Letter to the Editor Regarding "The Effectiveness of Antiepileptic Medications as Prophylaxis of Early Seizure in Patients with Traumatic Brain Injury Compared with Placebo or No Treatment: A Systematic Review and Meta-Analysis" <i>World Neurosurgery</i> , 2019, 131, 307. | 1.3 | 0 |
| 42 | Hyperosmolar Therapy in Pediatric Severe Traumatic Brain Injury" A Systematic Review. <i>Critical Care Medicine</i> , 2019, 47, e1022-e1031. | 0.9 | 11 |
| 43 | The Effectiveness of Antiepileptic Medications as Prophylaxis of Early Seizure in Patients with Traumatic Brain Injury Compared with Placebo or No Treatment: A Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , 2019, 122, 433-440. | 1.3 | 42 |
| 44 | Outcomes of intraparenchymal hemorrhage after direct oral anticoagulant or vitamin K antagonist therapy: A systematic review and meta-analysis. <i>Journal of Clinical Neuroscience</i> , 2019, 62, 188-194. | 1.5 | 1 |
| 45 | Cost-Benefit Analysis of Transitional Care in Neurosurgery. <i>Neurosurgery</i> , 2019, 85, 672-679. | 1.1 | 15 |
| 46 | Non-electrographic Seizures Due to Subdural Hematoma: A Case Series and Review of the Literature. <i>Neurocritical Care</i> , 2019, 30, 16-21. | 2.4 | 6 |
| 47 | Predicting nonroutine discharge after elective spine surgery: external validation of machine learning algorithms. <i>Journal of Neurosurgery: Spine</i> , 2019, 31, 742-747. | 1.7 | 41 |
| 48 | Natural and Artificial Intelligence in Neurosurgery: A Systematic Review. <i>Neurosurgery</i> , 2018, 83, 181-192. | 1.1 | 182 |
| 49 | Thirty-Day Outcomes After Craniotomy for Primary Malignant Brain Tumors. <i>Neurosurgery</i> , 2018, 83, 1249-1259. | 1.1 | 44 |
| 50 | Venous thromboembolism and intracranial hemorrhage after craniotomy for primary malignant brain tumors: a National Surgical Quality Improvement Program analysis. <i>Journal of Neuro-Oncology</i> , 2018, 136, 135-145. | 2.9 | 50 |
| 51 | Machine Learning and Neurosurgical Outcome Prediction: A Systematic Review. <i>World Neurosurgery</i> , 2018, 109, 476-486.e1. | 1.3 | 302 |
| 52 | The endoscopic endonasal approach is not superior to the microscopic transcranial approach for anterior skull base meningiomas" a meta-analysis. <i>Acta Neurochirurgica</i> , 2018, 160, 59-75. | 1.7 | 93 |
| 53 | An introduction and overview of machine learning in neurosurgical care. <i>Acta Neurochirurgica</i> , 2018, 160, 29-38. | 1.7 | 116 |
| 54 | HOUT-20. AN ONLINE CALCULATOR FOR THE PREDICTION OF SURVIVAL AND ADJUVANT TREATMENT BENEFIT IN GLIOBLASTOMA PATIENTS. <i>Neuro-Oncology</i> , 2018, 20, vi117-vi117. | 1.2 | 0 |

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|----|--|------|-----------|
| 55 | The Timing of Tracheostomy and Outcomes After Aneurysmal Subarachnoid Hemorrhage: A Nationwide Inpatient Sample Analysis. <i>Neurocritical Care</i> , 2018, 29, 326-335. | 2.4 | 14 |
| 56 | Intracranial Pressure Monitoring—Review and Avenues for Development. <i>Sensors</i> , 2018, 18, 465. | 3.8 | 110 |
| 57 | Development of machine learning algorithms for prediction of discharge disposition after elective inpatient surgery for lumbar degenerative disc disorders. <i>Neurosurgical Focus</i> , 2018, 45, E6. | 2.3 | 72 |
| 58 | Body habitus, serum albumin, and the outcomes after craniotomy for tumor: a National Surgical Quality Improvement Program analysis. <i>Journal of Neurosurgery</i> , 2017, 126, 677-689. | 1.6 | 23 |
| 59 | Timing of Decompressive Hemicraniectomy for Stroke. <i>Stroke</i> , 2017, 48, 704-711. | 2.0 | 78 |
| 60 | Ventriculostomy-associated hemorrhage: a risk assessment by radiographic simulation. <i>Journal of Neurosurgery</i> , 2017, 127, 532-536. | 1.6 | 12 |
| 61 | Keen's Point for External Ventricular Drainage in Traumatic Brain Injury Patients: An Uncommon Indication for An Old Technique. <i>World Neurosurgery</i> , 2017, 102, 694.e1-694.e7. | 1.3 | 2 |
| 62 | Cis P-tau is induced in clinical and preclinical brain injury and contributes to post-injury sequelae. <i>Nature Communications</i> , 2017, 8, 1000. | 12.8 | 103 |
| 63 | Defensive medicine among neurosurgeons in the Netherlands: a national survey. <i>Acta Neurochirurgica</i> , 2017, 159, 2341-2350. | 1.7 | 24 |
| 64 | Readmission After Craniotomy for Tumor: A National Surgical Quality Improvement Program Analysis. <i>Neurosurgery</i> , 2017, 80, 551-562. | 1.1 | 49 |
| 65 | Validation of an International Classification of Disease, Ninth Revision coding algorithm to identify decompressive craniectomy for stroke. <i>BMC Neurology</i> , 2017, 17, 121. | 1.8 | 9 |
| 66 | Unplanned Reoperation After Craniotomy for Tumor: A National Surgical Quality Improvement Program Analysis. <i>Neurosurgery</i> , 2017, 81, 761-771. | 1.1 | 36 |
| 67 | Advanced Age and Post-“Acute Care Outcomes After Subarachnoid Hemorrhage. <i>Journal of the American Heart Association</i> , 2017, 6, . | 3.7 | 10 |
| 68 | Quality Programs in Neurosurgery: The Memorial Hermann/University of Texas Experience. <i>Neurosurgery</i> , 2017, 80, S65-S74. | 1.1 | 9 |
| 69 | How a Lumbar Diskectomy Influenced Medical Malpractice and the Landscape of Health Care. <i>World Neurosurgery</i> , 2016, 86, 88-92. | 1.3 | 3 |
| 70 | Defensive medicine in neurosurgery: the Canadian experience. <i>Journal of Neurosurgery</i> , 2016, 124, 1524-1530. | 1.6 | 18 |
| 71 | International Defensive Medicine in Neurosurgery: Comparison of Canada, South Africa, and the United States. <i>World Neurosurgery</i> , 2016, 95, 53-61. | 1.3 | 31 |
| 72 | Thirty-day readmission and reoperation after surgery for spinal tumors: a National Surgical Quality Improvement Program analysis. <i>Neurosurgical Focus</i> , 2016, 41, E5. | 2.3 | 92 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Thrombocytopenia and craniotomy for tumor: A National Surgical Quality Improvement Program analysis. <i>Cancer</i> , 2016, 122, 1708-1717. | 4.1 | 28 |
| 74 | Hospital-Acquired Infections after Aneurysmal Subarachnoid Hemorrhage: A Nationwide Analysis. <i>World Neurosurgery</i> , 2016, 88, 459-474. | 1.3 | 55 |
| 75 | The frequency and severity of intracranial hypotension post-intraoperative lumbar drainage using a Tuohy needle and the traditional needle. <i>British Journal of Neurosurgery</i> , 2016, 30, 438-443. | 0.8 | 8 |
| 76 | The Neurocritical and Neurosurgical Care of Subdural Hematomas. <i>Neurocritical Care</i> , 2016, 24, 294-307. | 2.4 | 30 |
| 77 | Length of hospital stay after craniotomy for tumor: a National Surgical Quality Improvement Program analysis. <i>Neurosurgical Focus</i> , 2015, 39, E12. | 2.3 | 118 |
| 78 | “Extraoperative” MRI (eoMRI) for Brain Tumor Surgery: Initial Results at a Single Institution. <i>World Neurosurgery</i> , 2015, 83, 921-928. | 1.3 | 1 |
| 79 | Evita’s lobotomy. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 1883-1888. | 1.5 | 4 |
| 80 | The neurosurgeon as baseball fan and inventor: Walter Dandy and the batter’s helmet. <i>Neurosurgical Focus</i> , 2015, 39, E9. | 2.3 | 2 |
| 81 | The Assassination of Abraham Lincoln and the Evolution of Neuro-Trauma Care: Would the 16th President Have Survived in the Modern Era?. <i>World Neurosurgery</i> , 2015, 84, 1453-1457. | 1.3 | 3 |
| 82 | Platelet dysfunction and platelet transfusion in traumatic brain injury. <i>Journal of Surgical Research</i> , 2015, 193, 802-806. | 1.6 | 56 |