

Melanie Hayden Gephart

List of Publications by Year in descending order

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68
papers

1,587
citations

471371

17
h-index

330025

37
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69
all docs

69
docs citations

69
times ranked

3049
citing authors

#	ARTICLE	IF	CITATIONS
1	A Combination of Ontogeny and CNS Environment Establishes Microglial Identity. <i>Neuron</i> , 2018, 98, 1170-1183.e8.	3.8	371
2	Brain Tumor Mutations Detected in Cerebral Spinal Fluid. <i>Clinical Chemistry</i> , 2015, 61, 514-522.	1.5	233
3	Tumor DNA in cerebral spinal fluid reflects clinical course in a patient with melanoma leptomeningeal brain metastases. <i>Journal of Neuro-Oncology</i> , 2016, 128, 93-100.	1.4	80
4	Multisession Stereotactic Radiosurgery for Vestibular Schwannomas. <i>Neurosurgery</i> , 2011, 69, 1200-1209.	0.6	79
5	Hospital Volumes of 5 Medical Emergencies in the COVID-19 Pandemic in 2 US Medical Centers. <i>JAMA Internal Medicine</i> , 2021, 181, 272.	2.6	70
6	Variations of Endoscopic and Open Repair of Metopic Craniosynostosis. <i>Journal of Craniofacial Surgery</i> , 2009, 20, 1439-1444.	0.3	61
7	Antitumor activity of an engineered decoy receptor targeting CLCF1â€“CNTFR signaling in lung adenocarcinoma. <i>Nature Medicine</i> , 2019, 25, 1783-1795.	15.2	43
8	The â€œLiquid Biopsyâ€ the Role of Circulating DNA and RNA in Central Nervous System Tumors. <i>Current Neurology and Neuroscience Reports</i> , 2016, 16, 25.	2.0	34
9	A pilot study on the use of cerebrospinal fluid cell-free DNA in intramedullary spinal ependymoma. <i>Journal of Neuro-Oncology</i> , 2017, 135, 29-36.	1.4	31
10	EGFR-targeted intraoperative fluorescence imaging detects high-grade glioma with panitumumab-IRDye800 in a phase 1 clinical trial. <i>Theranostics</i> , 2021, 11, 7130-7143.	4.6	31
11	Nodular Leptomeningeal Diseaseâ€”A Distinct Pattern of Recurrence After Postresection Stereotactic Radiosurgery for Brain Metastases: A Multi-institutional Study of Interobserver Reliability. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 106, 579-586.	0.4	30
12	A phase I/II trial of 5-fraction stereotactic radiosurgery with 5-mm margins with concurrent temozolomide in newly diagnosed glioblastoma: primary outcomes. <i>Neuro-Oncology</i> , 2020, 22, 1182-1189.	0.6	30
13	Retrospective, Propensity Score-Matched Cohort Study Examining Timing of Fracture Fixation for Traumatic Thoracolumbar Fractures. <i>Journal of Neurotrauma</i> , 2012, 29, 2220-2225.	1.7	29
14	Pediatric concussions in sports; a simple and rapid assessment tool for concussive injury in children and adults. <i>Child's Nervous System</i> , 2007, 23, 431-435.	0.6	28
15	Prostate Cancer Brain Metastases: A Single-Institution Experience. <i>World Neurosurgery</i> , 2020, 138, e445-e449.	0.7	26
16	Comparison of Porcine and Bovine Collagen Dural Substitutes in Posterior Fossa Decompression for Chiari I Malformation in Adults. <i>World Neurosurgery</i> , 2017, 108, 33-40.	0.7	23
17	Racial and socioeconomic correlates of treatment and survival among patients with meningioma: a population-based study. <i>Journal of Neuro-Oncology</i> , 2020, 147, 495-501.	1.4	22
18	Leptomeningeal Carcinomatosis. <i>Neurosurgery Clinics of North America</i> , 2020, 31, 613-625.	0.8	21

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19	Recurrently Mutated Genes Differ between Leptomeningeal and Solid Lung Cancer Brain Metastases. <i>Journal of Thoracic Oncology</i> , 2018, 13, 1022-1027.	0.5	20
20	Dynamin impacts homology-directed repair and breast cancer response to chemotherapy. <i>Journal of Clinical Investigation</i> , 2018, 128, 5307-5321.	3.9	20
21	Executive summary from American Radium Society's appropriate use criteria on neurocognition after stereotactic radiosurgery for multiple brain metastases. <i>Neuro-Oncology</i> , 2020, 22, 1728-1741.	0.6	19
22	Using bioabsorbable fixation systems in the treatment of pediatric skull deformities leads to good outcomes and low morbidity. <i>Child's Nervous System</i> , 2013, 29, 297-301.	0.6	17
23	Single-Cell RNA-Sequencing in Glioma. <i>Current Oncology Reports</i> , 2018, 20, 42.	1.8	16
24	Long-Term Update of Stereotactic Radiosurgery for Benign Spinal Tumors. <i>Neurosurgery</i> , 2019, 85, 708-716.	0.6	14
25	Practice transition in graduate medical education. <i>Clinical Teacher</i> , 2017, 14, 344-348.	0.4	13
26	Resident Away Rotations Allow Adaptive Neurosurgical Training. <i>Neurosurgery</i> , 2015, 76, 421-426.	0.6	12
27	Management of brain tumors presenting in pregnancy: a case series and systematic review. <i>American Journal of Obstetrics & Gynecology MFM</i> , 2021, 3, 100256.	1.3	12
28	Evaluating Surgical Resection Extent and Adjuvant Therapy in the Management of Gliosarcoma. <i>Frontiers in Oncology</i> , 2020, 10, 337.	1.3	11
29	Genetic and molecular distinctions in spinal ependymomas: A review. <i>Clinical Neurology and Neurosurgery</i> , 2015, 139, 210-215.	0.6	9
30	Noncontrast T2-Weighted Magnetic Resonance Imaging Sequences for Long-Term Monitoring of Asymptomatic Convexity Meningiomas. <i>World Neurosurgery</i> , 2020, 135, e100-e105.	0.7	9
31	Stereotactic Radiosurgery for Resected Brain Metastases: Does the Surgical Corridor Need to be Targeted?. <i>Practical Radiation Oncology</i> , 2020, 10, e363-e371.	1.1	9
32	Stereotactic Radiosurgery After Resection of Brain Metastases: Changing Patterns of Care in the United States. <i>World Neurosurgery</i> , 2020, 144, e797-e806.	0.7	9
33	Brain Metastases from Endometrial Cancer: Clinical Characteristics, Outcomes, and Review of the Literature. <i>World Neurosurgery</i> , 2021, 147, e32-e39.	0.7	9
34	A Clinical PET Imaging Tracer ([¹⁸ F]DASA-23) to Monitor Pyruvate Kinase M2-Induced Glycolytic Reprogramming in Glioblastoma. <i>Clinical Cancer Research</i> , 2021, 27, 6467-6478.	3.2	9
35	Comprehensive RNA analysis of CSF reveals a role for CEACAM6 in lung cancer leptomeningeal metastases. <i>Npj Precision Oncology</i> , 2021, 5, 90.	2.3	9
36	Rehospitalization and Emergency Department Use Rates Before and After Vagus Nerve Stimulation for Epilepsy: Use of State Databases to Provide Longitudinal Data Across Multiple Clinical Settings. <i>Neuromodulation</i> , 2014, 17, 60-65.	0.4	8

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37	Primary Pediatric Skull Tumors. <i>Pediatric Neurosurgery</i> , 2011, 47, 198-203.	0.4	7
38	Stereotactic Radiosurgery for Pediatric and Adult Intracranial and Spinal Ependymomas. <i>Stereotactic and Functional Neurosurgery</i> , 2019, 97, 189-194.	0.8	7
39	Improved survival and disease control following pembrolizumab-induced immune-related adverse events in high PD-L1 expressing non-small cell lung cancer with brain metastases. <i>Journal of Neuro-Oncology</i> , 2021, 152, 125-134.	1.4	7
40	DSC Perfusion MRI-derived Fractional Tumor Burden and Relative CBV Differentiate Tumor Progression and Radiation Necrosis in Brain Metastases Treated with Stereotactic Radiosurgery. <i>American Journal of Neuroradiology</i> , 2022, 43, 689-695.	1.2	7
41	Cavernous malformations are rare sequelae of stereotactic radiosurgery for brain metastases. <i>Acta Neurochirurgica</i> , 2019, 161, 43-48.	0.9	6
42	Differences in treatment patterns and overall survival between grade II and anaplastic pleomorphic xanthoastrocytomas. <i>Journal of Neuro-Oncology</i> , 2021, 153, 321-330.	1.4	6
43	Clinical factors associated with mortality within three months after radiosurgery of asymptomatic brain metastases from non-small cell lung cancer. <i>Journal of Neuro-Oncology</i> , 2018, 140, 705-715.	1.4	5
44	Epidermal Growth Factor Receptor Mutation Status Confers Survival Benefit in Patients with Non-Small-Cell Lung Cancer Undergoing Surgical Resection of Brain Metastases: A Retrospective Cohort Study. <i>World Neurosurgery</i> , 2019, 125, e487-e496.	0.7	5
45	Difference-Frequency Ultrasound Imaging With Non-Linear Contrast. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 1759-1766.	5.4	5
46	The primary sites leading to brain metastases: Shifting trends at a tertiary care center. <i>Journal of Clinical Neuroscience</i> , 2020, 80, 121-124.	0.8	5
47	Re-evaluating Biopsy for Recurrent Glioblastoma: A Position Statement by the Christopher Davidson Forum Investigators. <i>Neurosurgery</i> , 2021, 89, 129-132.	0.6	5
48	A Novel Protocol for Reducing Intensive Care Utilization After Craniotomy. <i>Neurosurgery</i> , 2021, 89, 471-477.	0.6	5
49	Financial Toxicity in Patients with Brain and Spine Metastases. <i>World Neurosurgery</i> , 2021, 151, e630-e651.	0.7	5
50	A Novel Brain-Permeant Chemotherapeutic Agent for the Treatment of Brain Metastasis in Triple-Negative Breast Cancer. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 2110-2116.	1.9	5
51	Isolated Leptomeningeal Progression in a Patient with NTRK Fusion+ Uterine Sarcoma: A Case Report. <i>Case Reports in Oncology</i> , 2022, 14, 1841-1846.	0.3	5
52	Hepatocellular Carcinoma Brain Metastases: A Single-Institution Experience. <i>World Neurosurgery</i> , 2020, 140, e27-e32.	0.7	4
53	High-quality neurosurgeon communication and visualization during telemedicine encounters improves patient satisfaction. <i>Journal of Clinical Neuroscience</i> , 2021, 94, 18-23.	0.8	4
54	Socioeconomic Disparities in Brain Metastasis Survival and Treatment: A Population-Based Study. <i>World Neurosurgery</i> , 2022, 158, e636-e644.	0.7	4

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55	Factors for Differential Outcome Across Cancers in Clinical Molecule-Targeted Fluorescence Imaging. <i>Journal of Nuclear Medicine</i> , 2022, 63, 1693-1700.	2.8	4
56	Foramen Magnum Meningioma with Brainstem Compression During Pregnancy. <i>World Neurosurgery</i> , 2016, 91, 671.e9-671.e12.	0.7	3
57	Costs and Complications Associated With Resection of Supratentorial Tumors With and Without the Operative Microscope in the United States. <i>World Neurosurgery</i> , 2020, 138, e607-e619.	0.7	3
58	Intracranial Tumor Control After Immune-Related Adverse Events and Discontinuation of Immunotherapy for Melanoma. <i>World Neurosurgery</i> , 2020, 144, e316-e325.	0.7	3
59	Commentary: Treatment Considerations for Patients With Epidermal Growth Factor Receptor-Mutated Non-Small Cell Lung Cancer Brain Metastases in the Era of Tyrosine Kinase Inhibitors. <i>Neurosurgery</i> , 2018, 82, E6-E14.	0.6	2
60	Massive Intradural Chondroma Masquerading as Lower Body Parkinsonism. <i>Cureus</i> , 2018, 10, e2099.	0.2	2
61	Biliary cancer brain metastases: a multi-institution case series with case reports. <i>Journal of Gastrointestinal Oncology</i> , 2022, 13, 822-832.	0.6	2
62	Executive summary of American Radium Society's appropriate use criteria for the postoperative management of lower grade gliomas. <i>Radiotherapy and Oncology</i> , 2022, 170, 79-88.	0.3	2
63	Outcomes and Costs Following Ommaya Placement with Thrombocytopenia Among U.S. Patients with Cancer. <i>World Neurosurgery</i> , 2020, 135, e548-e561.	0.7	1
64	Real-Time Fluoroscopic and C-Arm Computed Tomography Evaluation of Ommaya Reservoir Integrity. <i>Cureus</i> , 2017, 9, e1097.	0.2	1
65	P212. <i>Journal of Surgical Research</i> , 2007, 137, 317-318.	0.8	0
66	Commentary: Predicting Postoperative Outcomes in Brain Tumor Patients With a 5-Factor Modified Frailty Index. <i>Neurosurgery</i> , 2020, 88, E36-E38.	0.6	0
67	Report from the American Radium Society (ARS) Appropriate Use Criteria Brain Malignancies Panel: Treatment of Multiple Brain Metastases. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, E27-E28.	0.4	0
68	An updated comparison between WHO grade 2 gemistocytic and diffuse astrocytoma survival and treatment patterns. <i>World Neurosurgery</i> , 2021, , .	0.7	0