

John Heiss

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4258261/publications.pdf>

Version: 2024-02-01

109
papers

5,714
citations

93792

39
h-index

90395

73
g-index

111
all docs

111
docs citations

111
times ranked

7127
citing authors

#	ARTICLE	IF	CITATIONS
1	NOTCH-Induced MDSC Recruitment after oHSV Virotherapy in CNS Cancer Models Modulates Antitumor Immunotherapy. <i>Clinical Cancer Research</i> , 2022, 28, 1460-1473.	3.2	26
2	New Developments in the Pathogenesis, Therapeutic Targeting, and Treatment of Pediatric Medulloblastoma. <i>Cancers</i> , 2022, 14, 2285.	1.7	15
3	Neurosurgical Clinical Trials for Glioblastoma: Current and Future Directions. <i>Brain Sciences</i> , 2022, 12, 787.	1.1	3
4	A Prospective Evaluation of Swallowing and Speech in Patients with Neurofibromatosis Type 2. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2021, 82, 244-250.	0.4	0
5	Arginine Methylation in Brain Tumors: Tumor Biology and Therapeutic Strategies. <i>Cells</i> , 2021, 10, 124.	1.8	15
6	Developmental vascular malformations in EPAS1 gain-of-function syndrome. <i>JCI Insight</i> , 2021, 6, .	2.3	14
7	Review of PP2A Tumor Biology and Antitumor Effects of PP2A Inhibitor LB100 in the Nervous System. <i>Cancers</i> , 2021, 13, 3087.	1.7	6
8	Posterior cranial fossa and cervical spine morphometric abnormalities in symptomatic Chiari type 0 and Chiari type 1 malformation patients with and without syringomyelia. <i>Acta Neurochirurgica</i> , 2021, 163, 3051-3064.	0.9	9
9	Tentorial venous anatomy of mice and humans. <i>JCI Insight</i> , 2021, 6, .	2.3	0
10	Influence of Research Continuity on Physician-Scientists'™ Career Success. <i>Neurology</i> , 2021, 97, 10.1212/WNL.0000000000012867.	1.5	1
11	New Developments in the Pathogenesis, Therapeutic Targeting, and Treatment of H3K27M-Mutant Diffuse Midline Glioma. <i>Cancers</i> , 2021, 13, 5280.	1.7	26
12	Tentorial Venous Anatomy: Variation in the Healthy Population. <i>American Journal of Neuroradiology</i> , 2020, 41, 1825-1832.	1.2	3
13	Induction of Immune Response against Metastatic Tumors via Vaccination of Mannan-βAM, TLR Ligands, and Anti-CD40 Antibody (MBTA). <i>Advanced Therapeutics</i> , 2020, 3, 2000044.	1.6	11
14	Comparative clinical and genomic analysis of neurofibromatosis type 2-associated cranial and spinal meningiomas. <i>Scientific Reports</i> , 2020, 10, 12563.	1.6	16
15	HHV-6 and hippocampal volume in patients with mesial temporal sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 1674-1680.	1.7	6
16	Neuraxial dysraphism in EPAS1-associated syndrome due to improper mesenchymal transition. <i>Neurology: Genetics</i> , 2020, 6, e414.	0.9	5
17	Mobile Myxopapillary Ependymoma with Associated Filum Terminale Cyst. <i>World Neurosurgery</i> , 2020, 139, 337-342.	0.7	2
18	GL261 luciferase-expressing cells elicit an anti-tumor immune response: an evaluation of murine glioma models. <i>Scientific Reports</i> , 2020, 10, 11003.	1.6	24

#	ARTICLE	IF	CITATIONS
19	Inhibition of protein phosphatase-2A with LB-100 enhances antitumor immunity against glioblastoma. <i>Journal of Neuro-Oncology</i> , 2020, 148, 231-244.	1.4	17
20	Convection-enhanced delivery of botulinum toxin serotype A into the nonhuman primate cisterna magna and hippocampus. <i>Journal of Neurosurgery</i> , 2020, 133, 588-595.	0.9	0
21	Epidemiology of Symptomatic Chiari Malformation in Tatarstan: Regional and Ethnic Differences in Prevalence. <i>Neurosurgery</i> , 2019, 84, 1090-1097.	0.6	23
22	Convection-Enhanced Delivery of Muscimol Into the Bilateral Subthalamic Nuclei of Nonhuman Primates. <i>Neurosurgery</i> , 2019, 84, E420-E429.	0.6	11
23	Tentorial Venous Anatomy: Cadaveric and Radiographic Study with Discussion of Origin and Surgical Significance. <i>World Neurosurgery</i> , 2019, 131, e38-e45.	0.7	8
24	Development of Common Data Elements for Use in Chiari Malformation Type I Clinical Research: An NIH/NINDS Project. <i>Neurosurgery</i> , 2019, 85, 854-860.	0.6	16
25	Small posterior fossa in Chiari I malformation affected families is significantly linked to 1q43-44 and 12q23-24.11 using whole exome sequencing. <i>European Journal of Human Genetics</i> , 2019, 27, 1599-1610.	1.4	15
26	Trial of magnetic resonanceâ€“guided putaminal gene therapy for advanced Parkinson's disease. <i>Movement Disorders</i> , 2019, 34, 1073-1078.	2.2	65
27	Chiari Malformation Type 1 in EPAS1-Associated Syndrome. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2819.	1.8	8
28	Future Directions of Training Physicianâ€“Scientists: Reimagining and Remeasuring the Workforce. <i>Academic Medicine</i> , 2019, 94, 659-663.	0.8	22
29	Cytokine Microdialysis for Real-Time Immune Monitoring in Glioblastoma Patients Undergoing Checkpoint Blockade. <i>Neurosurgery</i> , 2019, 84, 945-953.	0.6	24
30	Convection-Enhanced Delivery of Muscimol in Patients with Drug-Resistant Epilepsy. <i>Neurosurgery</i> , 2019, 85, E4-E15.	0.6	19
31	Origin of Syring Fluid in Syringomyelia: A Physiological Study. <i>Neurosurgery</i> , 2019, 84, 457-468.	0.6	34
32	Phase I trial of convection-enhanced delivery of IL13-Pseudomonas toxin in children with diffuse intrinsic pontine glioma. <i>Journal of Neurosurgery: Pediatrics</i> , 2019, 23, 333-342.	0.8	54
33	Intradural cauda equina Candida abscess presenting with hydrocephalus: case report. <i>Journal of Neurosurgery: Spine</i> , 2019, 31, 890-893.	0.9	4
34	Eccrine spiradenoma mimicking a painful traumatic neuroma: case report. <i>Journal of Neurosurgery</i> , 2018, 129, 825-828.	0.9	2
35	LB-100, a novel Protein Phosphatase 2A (PP2A) inhibitor, sensitizes malignant meningioma cells to the therapeutic effects of radiation. <i>Cancer Letters</i> , 2018, 415, 217-226.	3.2	28
36	Chiari I Malformation and Basilar Invagination in Fibrous Dysplasia: Prevalence, Mechanisms, and Clinical Implications. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 1990-1998.	3.1	30

#	ARTICLE	IF	CITATIONS
37	Pharmacologic inhibition of protein phosphatase-2A achieves durable immune-mediated antitumor activity when combined with PD-1 blockade. <i>Nature Communications</i> , 2018, 9, 2126.	5.8	54
38	Physician-scientists in neurology. <i>Neurology</i> , 2018, 91, 508-514.	1.5	3
39	Pain control through selective chemo-ablation of centrally projecting TRPV1+ sensory neurons. <i>Journal of Clinical Investigation</i> , 2018, 128, 1657-1670.	3.9	61
40	Inhibition of B Cell Receptor Signaling by Ibrutinib in Primary CNS Lymphoma. <i>Cancer Cell</i> , 2017, 31, 833-843.e5.	7.7	383
41	Discovery of Aquaporin-1 and Aquaporin-4 Expression in an Intramedullary Spinal Cord Ependymal Cyst: Case Report. <i>World Neurosurgery</i> , 2017, 107, 1046.e1-1046.e7.	0.7	2
42	Identification of an <i>Alu</i> -mediated deletion in the promoter region of <i>GNE</i> in siblings with <i>GNE</i> myopathy. <i>Molecular Genetics & Genomic Medicine</i> , 2017, 5, 410-417.	0.6	15
43	First insight into the somatic mutation burden of neurofibromatosis type 2-associated grade I and grade II meningiomas: a case report comprehensive genomic study of two cranial meningiomas with vastly different clinical presentation. <i>BMC Cancer</i> , 2017, 17, 127.	1.1	13
44	ZEB1 expression is increased in IDH1-mutant lower-grade gliomas. <i>Journal of Neuro-Oncology</i> , 2016, 130, 111-122.	1.4	14
45	B7-H4-Mediated Cross-talk between Glioma-Initiating Cells and Macrophages via the IL6/JAK/STAT3 Pathway Lead to Poor Prognosis in Glioma Patients. <i>Clinical Cancer Research</i> , 2016, 22, 2778-2790.	3.2	128
46	Diagnosis of a growing radiation-induced skull lesion in a patient: an unusual scar. <i>Journal of Neurosurgery</i> , 2016, 125, 561-564.	0.9	2
47	PP2A inhibition with LB100 enhances cisplatin cytotoxicity and overcomes cisplatin resistance in medulloblastoma cells. <i>Oncotarget</i> , 2016, 7, 12447-12463.	0.8	26
48	Hypotaurine evokes a malignant phenotype in glioma through aberrant hypoxic signaling. <i>Oncotarget</i> , 2016, 7, 15200-15214.	0.8	30
49	Tumors displaying hybrid schwannoma and neurofibroma features in patients with neurofibromatosis type 2. <i>Journal of Neurosurgery</i> , 2016, 35, 78-83.		17
50	Activation of hypoxia signaling induces phenotypic transformation of glioma cells: implications for bevacizumab antiangiogenic therapy. <i>Oncotarget</i> , 2015, 6, 11882-11893.	0.8	68
51	New Developments in the Pathogenesis and Therapeutic Targeting of the IDH1 Mutation in Glioma. <i>International Journal of Medical Sciences</i> , 2015, 12, 201-213.	1.1	83
52	Protein Phosphatase 2A Inhibition with LB100 Enhances Radiation-Induced Mitotic Catastrophe and Tumor Growth Delay in Glioblastoma. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 1540-1547.	1.9	41
53	Accuracy of direct magnetic resonance imaging-guided placement of drug infusion cannulae. <i>Journal of Neurosurgery</i> , 2015, 122, 1173-1179.	0.9	28
54	Pathogenesis and Cerebrospinal Fluid Hydrodynamics of the Chiari I Malformation. <i>Neurosurgery Clinics of North America</i> , 2015, 26, 495-499.	0.8	52

#	ARTICLE	IF	CITATIONS
55	Effect of craniovertebral decompression on CSF dynamics in Chiari malformation Type I studied with computational fluid dynamics. <i>Journal of Neurosurgery: Spine</i> , 2014, 21, 559-564.	0.9	15
56	“Hidden” bone metastasis from thyroid carcinoma: A clinical note. <i>Revista Espanola De Medicina Nuclear E Imagen Molecular</i> , 2014, 33, 36-38.	0.0	2
57	Cholesterol homeostatic responses provide biomarkers for monitoring treatment for the neurodegenerative disease Niemann-Pick C1 (NPC1). <i>Human Molecular Genetics</i> , 2014, 23, 6022-6033.	1.4	36
58	Magnetic resonance imaging properties of convective delivery in diffuse intrinsic pontine gliomas. <i>Journal of Neurosurgery: Pediatrics</i> , 2014, 13, 276-282.	0.8	51
59	Von Hippel-Lindau Disease Associated Pulmonary Carcinoid with Cranial Metastasis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 2633-2636.	1.8	7
60	Collaborative Development of 2-Hydroxypropyl-β-Cyclodextrin for the Treatment of Niemann-Pick Type C1 Disease. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 330-339.	1.0	108
61	Convection-enhanced delivery of M13 bacteriophage to the brain. <i>Journal of Neurosurgery</i> , 2012, 117, 197-203.	0.9	53
62	Normalization of hindbrain morphology after decompression of Chiari malformation Type I. <i>Journal of Neurosurgery</i> , 2012, 117, 942-946.	0.9	43
63	PET of Serotonin 1A Receptors and Cerebral Glucose Metabolism for Temporal Lobectomy. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1375-1382.	2.8	19
64	Pathophysiology of primary spinal syringomyelia. <i>Journal of Neurosurgery: Spine</i> , 2012, 17, 367-380.	0.9	97
65	Nanoplatfoms for constructing new approaches to cancer treatment, imaging, and drug delivery: What should be the policy?. <i>NeuroImage</i> , 2011, 54, S106-S124.	2.1	146
66	Intrathecal gene therapy for treatment of leptomeningeal carcinomatosis. <i>Journal of Neuro-Oncology</i> , 2011, 104, 365-369.	1.4	8
67	Effect of concentration on the accuracy of convective imaging distribution of a gadolinium-based surrogate tracer. <i>Journal of Neurosurgery</i> , 2011, 115, 467-473.	0.9	48
68	Surgical management of melanoma brain metastases in patients treated with immunotherapy. <i>Journal of Neurosurgery</i> , 2011, 115, 30-36.	0.9	38
69	Tracking accuracy of T2- and diffusion-weighted magnetic resonance imaging for infusate distribution by convection-enhanced delivery. <i>Journal of Neurosurgery</i> , 2011, 115, 474-480.	0.9	20
70	Editorial. <i>Journal of Neurosurgery</i> , 2011, 115, 463-466.	0.9	11
71	Neurological Surgery at the National Institutes of Health. <i>World Neurosurgery</i> , 2010, 74, 49-59.	0.7	5
72	Pathophysiology of persistent syringomyelia after decompressive craniocervical surgery. <i>Journal of Neurosurgery: Spine</i> , 2010, 13, 729-742.	0.9	80

#	ARTICLE	IF	CITATIONS
73	Image-guided convection-enhanced delivery of muscimol to the primate brain. <i>Journal of Neurosurgery</i> , 2010, 112, 790-795.	0.9	53
74	Long-term result of the Echols procedure for treating syringomyelia. <i>Journal of Neurosurgery: Spine</i> , 2009, 10, 73-78.	0.9	2
75	Cortical mapping and frameless stereotactic navigation in the high-field intraoperative magnetic resonance imaging suite. <i>Journal of Neurosurgery</i> , 2009, 111, 1185-1190.	0.9	35
76	Temporal lobectomy: Resection volume, neuropsychological effects, and seizure outcome. <i>Epilepsy and Behavior</i> , 2009, 16, 311-314.	0.9	31
77	Time course of syringomyelia resolution following decompression of Chiari malformation Type I. <i>Journal of Neurosurgery: Pediatrics</i> , 2008, 1, 118-123.	0.8	90
78	Association of Human Herpesvirus-6B with Mesial Temporal Lobe Epilepsy. <i>PLoS Medicine</i> , 2007, 4, e180.	3.9	123
79	The post-“syrinx syndrome: stable central myelopathy and collapsed or absent syrinx. <i>Journal of Neurology</i> , 2006, 253, 707-713.	1.8	28
80	Technique for enhanced accuracy and reliability in non-human primate stereotaxy. <i>Journal of Neuroscience Methods</i> , 2006, 156, 310-313.	1.3	10
81	Peripheral and central hypomyelination with hypogonadotropic hypogonadism and hypodontia. <i>Neurology</i> , 2006, 67, 2066-2069.	1.5	85
82	High-resolution Global Genomic Survey of 178 Gliomas Reveals Novel Regions of Copy Number Alteration and Allelic Imbalances. <i>Cancer Research</i> , 2006, 66, 9428-9436.	0.4	116
83	Local distribution and toxicity of prolonged hippocampal infusion of muscimol. <i>Journal of Neurosurgery</i> , 2005, 103, 1035-1045.	0.9	42
84	Intraoperative infrared imaging of brain tumors. <i>Journal of Neurosurgery</i> , 2004, 101, 960-969.	0.9	64
85	Clinical and neuroimaging features of idiopathic syringomyelia. <i>Neurology</i> , 2004, 62, 791-794.	1.5	65
86	Intraoperative infrared functional imaging of human brain. <i>Annals of Neurology</i> , 2003, 54, 297-309.	2.8	85
87	Insertion of mutant proteolipid protein results in missorting of myelin proteins. <i>Annals of Neurology</i> , 2003, 54, 769-780.	2.8	18
88	Detection of human herpesvirus-6 in mesial temporal lobe epilepsy surgical brain resections. <i>Neurology</i> , 2003, 61, 1405-1411.	1.5	188
89	Pathophysiology of headache associated with cough in patients with Chiari I malformation. <i>Journal of Neurosurgery</i> , 2003, 98, 453-458.	0.9	90
90	Real-time detection of vascular occlusion and reperfusion of the brain during surgery by using infrared imaging. <i>Journal of Neurosurgery</i> , 2002, 96, 918-923.	0.9	35

#	ARTICLE	IF	CITATIONS
91	Root and Spinal Cord Compression from Methylmethacrylate Vertebroplasty. <i>Spine</i> , 2001, 26, e300-e302.	1.0	201
92	Chiari malformation type 1 and osteoporosis. <i>Neurosurgical Review</i> , 2000, 23, 171-172.	1.2	3
93	Symptomatic Vertebral Hemangiomas: Treatment by Means of Direct Intralesional Injection of Ethanol. <i>Radiology</i> , 2000, 214, 341-348.	3.6	190
94	Retrospective analysis of surgical treatment outcomes for gelastic seizures: a review of the literature. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2000, 9, 204-207.	0.9	29
95	Syringomyelia, hemangioblastoma, and Chiari I malformation. <i>Journal of Neurosurgery</i> , 1999, 90, 169.	0.9	5
96	Elucidating the pathophysiology of syringomyelia. <i>Journal of Neurosurgery</i> , 1999, 91, 553-562.	0.9	401
97	Vascular Endothelial Growth Factor (VEGF) Modulates Vascular Permeability and Inflammation in Rat Brain. <i>Journal of Neuropathology and Experimental Neurology</i> , 1999, 58, 613-627.	0.9	201
98	Brain Metastasis After Immunotherapy in Patients with Metastatic Melanoma or Renal Cell Cancer. <i>Journal of Immunotherapy</i> , 1999, 22, 356-362.	1.2	17
99	Tumor devascularization by intratumoral ethanol injection during surgery. <i>Journal of Neurosurgery</i> , 1998, 88, 923-924.	0.9	41
100	Phase II trial of chemotherapy alone for primary CNS and intraocular lymphoma.. <i>Journal of Clinical Oncology</i> , 1998, 16, 3000-3006.	0.8	219
101	Immunologic Analysis of a Spinal Cord "Biopsy Specimen from a Patient with Human T-Cell Lymphotropic Virus Type 1" Associated Neurologic Disease. <i>New England Journal of Medicine</i> , 1997, 336, 839-845.	13.9	75
102	Vascular endothelial growth factor (vascular permeability factor) expression in injured rat brain. , 1997, 49, 451-460.		69
103	Treatment of Vertebral Hemangioma by Intralesional Injection of Absolute Ethanol. <i>New England Journal of Medicine</i> , 1996, 334, 1340-1340.	13.9	39
104	Mechanism of dexamethasone suppression of brain tumor-associated vascular permeability in rats. Involvement of the glucocorticoid receptor and vascular permeability factor.. <i>Journal of Clinical Investigation</i> , 1996, 98, 1400-1408.	3.9	232
105	Relief of Spinal Cord Compression from Vertebral Hemangioma by Intralesional Injection of Absolute Ethanol. <i>New England Journal of Medicine</i> , 1994, 331, 508-511.	13.9	109
106	In vivo transfer of the human interleukin-2 gene: negative tumoricidal results in experimental brain tumors. <i>Journal of Neurosurgery</i> , 1994, 80, 535-540.	0.9	82
107	Childhood ataxia with diffuse central nervous system hypomyelination. <i>Annals of Neurology</i> , 1994, 35, 331-340.	2.8	253
108	Diskogenic diseases of the spine: Clinical aspects. <i>Seminars in Roentgenology</i> , 1988, 23, 93-99.	0.2	2

#	ARTICLE	IF	CITATIONS
109	Persistent hypoglossal artery associated with basilar artery aneurysm. Minimally Invasive Neurosurgery, 1987, 30, 158-159.	0.9	5