

Jia Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6317817/publications.pdf>

Version: 2024-02-01

112
papers

2,026
citations

279487

23
h-index

329751

37
g-index

115
all docs

115
docs citations

115
times ranked

3867
citing authors

#	ARTICLE	IF	CITATIONS
1	Exome sequencing identifies somatic gain-of-function PPM1D mutations in brainstem gliomas. <i>Nature Genetics</i> , 2014, 46, 726-730.	9.4	148
2	Molecular profiling of tumors of the brainstem by sequencing of CSF-derived circulating tumor DNA. <i>Acta Neuropathologica</i> , 2019, 137, 297-306.	3.9	109
3	First-in-human study of PET and optical dual-modality image-guided surgery in glioblastoma using ⁶⁸ Ga-IRDye800CW-BBN. <i>Theranostics</i> , 2018, 8, 2508-2520.	4.6	93
4	The H3.3 K27M mutation results in a poorer prognosis in brainstem gliomas than thalamic gliomas in adults. <i>Human Pathology</i> , 2015, 46, 1626-1632.	1.1	88
5	A Cascaded Deep Convolutional Neural Network for Joint Segmentation and Genotype Prediction of Brainstem Gliomas. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 1943-1952.	2.5	65
6	Clinical features and surgical outcomes of patients with skull base chordoma: a retrospective analysis of 238 patients. <i>Journal of Neurosurgery</i> , 2017, 127, 1257-1267.	0.9	58
7	A comprehensive map and functional annotation of the normal human cerebrospinal fluid proteome. <i>Journal of Proteomics</i> , 2015, 119, 90-99.	1.2	57
8	A Comparative Proteomics Analysis of Five Body Fluids: Plasma, Urine, Cerebrospinal Fluid, Amniotic Fluid, and Saliva. <i>Proteomics - Clinical Applications</i> , 2018, 12, e1800008.	0.8	53
9	A Proteomic Analysis of Individual and Gender Variations in Normal Human Urine and Cerebrospinal Fluid Using iTRAQ Quantification. <i>PLoS ONE</i> , 2015, 10, e0133270.	1.1	52
10	The integrated genomic and epigenomic landscape of brainstem glioma. <i>Nature Communications</i> , 2020, 11, 3077.	5.8	50
11	Overexpressed KDM5B is associated with the progression of glioma and promotes glioma cell growth via downregulating p21. <i>Biochemical and Biophysical Research Communications</i> , 2014, 454, 221-227.	1.0	45
12	Standardized Operational Protocol for Human Brain Banking in China. <i>Neuroscience Bulletin</i> , 2019, 35, 270-276.	1.5	39
13	Treatment Response and Prognosis After Recurrence of Atypical Meningiomas. <i>World Neurosurgery</i> , 2015, 84, 1014-1019.	0.7	38
14	The diagnostic value of cerebrospinal fluid lactate for post-neurosurgical bacterial meningitis: a meta-analysis. <i>BMC Infectious Diseases</i> , 2016, 16, 483.	1.3	36
15	Optical coherence tomography for precision brain imaging, neurosurgical guidance and minimally invasive theranostics. <i>BioScience Trends</i> , 2018, 12, 12-23.	1.1	33
16	COL12A1, a novel potential prognostic factor and therapeutic target in gastric cancer. <i>Molecular Medicine Reports</i> , 2019, 20, 3103-3112.	1.1	32
17	BRAF V600E mutation is a significant prognosticator of the tumour regrowth rate in brainstem gangliogliomas. <i>Journal of Clinical Neuroscience</i> , 2017, 46, 50-57.	0.8	29
18	Three-Dimensional Feature-Enhanced Network for Automatic Femur Segmentation. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 243-252.	3.9	29

#	ARTICLE	IF	CITATIONS
19	Clinical, radiological, and pathological features of 33 adult unilateral thalamic gliomas. <i>World Journal of Surgical Oncology</i> , 2016, 14, 78.	0.8	28
20	Simultaneous determination of six flavonoids from <i>Paulownia tomentosa</i> flower extract in rat plasma by LC-MS/MS and its application to a pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 978-979, 54-61.	1.2	27
21	Kindlin-2 interacts with β -catenin and YB-1 to enhance EGFR transcription during glioma progression. <i>Oncotarget</i> , 2016, 7, 74872-74885.	0.8	27
22	Patient-derived DIPG cells preserve stem-like characteristics and generate orthotopic tumors. <i>Oncotarget</i> , 2017, 8, 76644-76655.	0.8	27
23	SET and MYND domain-containing protein 3 is overexpressed in human glioma and contributes to tumorigenicity. <i>Oncology Reports</i> , 2015, 34, 2722-2730.	1.2	26
24	Factors for tumor progression in patients with skull base chordoma. <i>Cancer Medicine</i> , 2016, 5, 2368-2377.	1.3	25
25	Prediction of H3K27M-mutant brainstem glioma by amide proton transfer-weighted imaging and its derived radiomics. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 4426-4436.	3.3	25
26	Analysis of Clinical Features and Outcomes of Skull Base Chordoma in Different Age-Groups. <i>World Neurosurgery</i> , 2016, 92, 407-417.	0.7	23
27	Potent anti-tumor efficacy of palbociclib in treatment-naïve H3.3K27M-mutant diffuse intrinsic pontine glioma. <i>EBioMedicine</i> , 2019, 43, 171-179.	2.7	23
28	Visualization of Diagnostic and Therapeutic Targets in Glioma With Molecular Imaging. <i>Frontiers in Immunology</i> , 2020, 11, 592389.	2.2	23
29	Massive interstitial copy-neutral loss-of-heterozygosity as evidence for cancer being a disease of the DNA-damage response. <i>BMC Medical Genomics</i> , 2015, 8, 42.	0.7	21
30	Survival rates, prognostic factors and treatment of anaplastic meningiomas. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 828-833.	0.8	20
31	Bioluminescence imaging and two-photon microscopy guided laser ablation of GBM decreases tumor burden. <i>Theranostics</i> , 2018, 8, 4072-4085.	4.6	20
32	A preliminary quantitative proteomic analysis of glioblastoma pseudoprogression. <i>Proteome Science</i> , 2015, 13, 12.	0.7	19
33	Identification of the Facial Nerve in Relation to Vestibular Schwannoma Using Preoperative Diffusion Tensor Tractography and Intraoperative Tractography-Integrated Neuronavigation System. <i>World Neurosurgery</i> , 2017, 107, 669-677.	0.7	19
34	Hypoglossal-facial nerve side-to-side neuroorrhaphy using a predegenerated nerve autograft for facial palsy after removal of acoustic tumours at the cerebellopontine angle. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 865-872.	0.9	18
35	3D Catheter Shape Determination for Endovascular Navigation Using a Two-Step Particle Filter and Ultrasound Scanning. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 685-695.	5.4	18
36	Non-NF2 mutations have a key effect on inhibitory immune checkpoints and tumor pathogenesis in skull base meningiomas. <i>Journal of Neuro-Oncology</i> , 2019, 144, 11-20.	1.4	18

#	ARTICLE	IF	CITATIONS
37	Targeting Mutant PPM1D Sensitizes Diffuse Intrinsic Pontine Glioma Cells to the PARP Inhibitor Olaparib. <i>Molecular Cancer Research</i> , 2020, 18, 968-980.	1.5	18
38	Primary medulla oblongata germinomas: two case reports and review of the literature. <i>World Journal of Surgical Oncology</i> , 2013, 11, 274.	0.8	17
39	Brachyury: A sensitive marker, but not a prognostic factor, for skull base chordomas. <i>Molecular Medicine Reports</i> , 2015, 12, 4298-4304.	1.1	17
40	Factors for Overall Survival in Patients with Skull Base Chordoma: A Retrospective Analysis of 225 Patients. <i>World Neurosurgery</i> , 2017, 97, 39-48.	0.7	17
41	RNaseH2A is involved in human gliomagenesis through the regulation of cell proliferation and apoptosis. <i>Oncology Reports</i> , 2016, 36, 173-180.	1.2	16
42	Myxoma of the cranial base. <i>World Neurosurgery</i> , 2007, 68, S22-S28.	1.3	15
43	Systematic profiling of alternative splicing signature reveals prognostic predictor for prostate cancer. <i>Cancer Science</i> , 2020, 111, 3020-3031.	1.7	15
44	Deep Learning Methodology for Differentiating Glioma Recurrence From Radiation Necrosis Using Multimodal Magnetic Resonance Imaging: Algorithm Development and Validation. <i>JMIR Medical Informatics</i> , 2020, 8, e19805.	1.3	15
45	Bone invasiveness is associated with prognosis in clivus chordomas. <i>Journal of Clinical Neuroscience</i> , 2016, 27, 147-152.	0.8	14
46	Biodegradable Flexible Electronic Device with Controlled Drug Release for Cancer Treatment. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 21067-21075.	4.0	14
47	Diagnostic accuracy of routine blood examinations and CSF lactate level for post-neurosurgical bacterial meningitis. <i>International Journal of Infectious Diseases</i> , 2017, 59, 50-54.	1.5	13
48	Significance of the Tentorial Alignment in Protecting the Occipital Lobe with the Poppen Approach for Tentorial or Pineal Area Meningiomas. <i>World Neurosurgery</i> , 2017, 108, 453-459.	0.7	13
49	Clustering of Morphological Features for Identifying Femur Cavity Subtypes With Difficulties of Intramedullary Nail Implantation. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2018, 22, 1209-1217.	3.9	13
50	Neuronavigation-Guided Corticospinal Tract Mapping in Brainstem Tumor Surgery: Better Preservation of Motor Function. <i>World Neurosurgery</i> , 2018, 116, e291-e297.	0.7	13
51	Identification of survival-associated key genes and long non-coding RNAs in glioblastoma multiforme by weighted gene co-expression network analysis. <i>International Journal of Molecular Medicine</i> , 2019, 43, 1709-1722.	1.8	13
52	<p>Quiescin Sulfhydryl Oxidase 1 Regulates the Proliferation, Migration and Invasion of Human Glioblastoma Cells via PI3K/Akt Pathway</p>. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 5721-5729.	1.0	13
53	Medullary hemangioblastoma: 34 patients at a single institution. <i>Journal of Clinical Neuroscience</i> , 2014, 21, 250-255.	0.8	12
54	Cerebellar liponeurocytoma: A case report and review of the literature. <i>Oncology Letters</i> , 2016, 11, 1061-1064.	0.8	12

#	ARTICLE	IF	CITATIONS
55	Genetic and immune features of resectable malignant brainstem gliomas. <i>Oncotarget</i> , 2017, 8, 82571-82582.	0.8	12
56	Data for a comprehensive map and functional annotation of the human cerebrospinal fluid proteome. <i>Data in Brief</i> , 2015, 3, 103-107.	0.5	11
57	The relation between angioarchitectural factors of developmental venous anomaly and concomitant sporadic cavernous malformation. <i>BMC Neurology</i> , 2016, 16, 183.	0.8	11
58	SMYD3 promotes epithelial ovarian cancer metastasis by downregulating p53 protein stability and promoting p53 ubiquitination. <i>Carcinogenesis</i> , 2019, 40, 1492-1503.	1.3	11
59	<p>Long Non-Coding RNA LINC00662 Regulated Proliferation and Migration by Targeting miR-34a-5p/LMAN2L Axis in Glioma<p>. <i>OncoTargets and Therapy</i> , 2020, Volume 13, 10161-10172.	1.0	11
60	Expression of Cathepsin K in Skull Base Chordoma. <i>World Neurosurgery</i> , 2017, 101, 396-404.	0.7	10
61	Diffuse Intrinsic Pontine Gliomas Exhibit Cell Biological and Molecular Signatures of Fetal Hindbrain-Derived Neural Progenitor Cells. <i>Neuroscience Bulletin</i> , 2019, 35, 216-224.	1.5	10
62	Urinary protein biomarkers for pediatric medulloblastoma. <i>Journal of Proteomics</i> , 2020, 225, 103832.	1.2	10
63	Surgical resection of upper-middle clivus chordomas via a modified anterior transpetrous approach. <i>Clinical Neurology and Neurosurgery</i> , 2015, 130, 20-25.	0.6	9
64	Pituitary Adenoma Associated With Rathke's Cleft Cyst: Report of 15 Cases. <i>Canadian Journal of Neurological Sciences</i> , 2018, 45, 68-75.	0.3	9
65	Long experience for the diagnosis and treatment of sporadic endolymphatic sac tumor in a single center. <i>Clinical Neurology and Neurosurgery</i> , 2020, 197, 106078.	0.6	9
66	Familial chordoma: A case report and review of the literature. <i>Oncology Letters</i> , 2015, 10, 2937-2940.	0.8	8
67	PODNL1 promotes cell proliferation and migration in glioma via regulating Akt/mTOR pathway. <i>Journal of Cancer</i> , 2020, 11, 6234-6242.	1.2	8
68	<p>Identification of the Different Roles and Potential Mechanisms of T Isoforms in the Tumor Recurrence and Cell Cycle of Chordomas<p>. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 11777-11791.	1.0	8
69	Automatic estimation of morphological characteristics of proximal tibia for precise plate treatment using model matching. <i>Computerized Medical Imaging and Graphics</i> , 2020, 81, 101714.	3.5	8
70	Association of ERCC1 C8092A and ERCC2 Lys751Gln Polymorphisms with the Risk of Glioma: A Meta-Analysis. <i>PLoS ONE</i> , 2014, 9, e95966.	1.1	8
71	TP53 wild-type/PPM1D mutant diffuse intrinsic pontine gliomas are sensitive to a MDM2 antagonist. <i>Acta Neuropathologica Communications</i> , 2021, 9, 178.	2.4	8
72	Combined Application of Sodium Fluorescein and Neuronavigation Techniques in the Resection of Brain Gliomas. <i>Frontiers in Neurology</i> , 2021, 12, 747072.	1.1	8

#	ARTICLE	IF	CITATIONS
73	Diffuse cerebral vasospasm after resection of schwannoma: a case report. <i>Neuropsychiatric Disease and Treatment</i> , 2015, 11, 317.	1.0	7
74	Upregulation of p-Smad2 contributes to FAT10-induced oncogenic activities in glioma. <i>Tumor Biology</i> , 2016, 37, 8621-8631.	0.8	7
75	Digitoxin increases sensitivity of glioma stem cells to TRAIL-mediated apoptosis. <i>Neuroscience Letters</i> , 2017, 653, 19-24.	1.0	7
76	Tissue Structure Updating for In Situ Augmented Reality Navigation using Calibrated Ultrasound and Two-level Surface Warping. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 1-1.	2.5	7
77	High Copy-Number Variation Burdens in Cranial Meningiomas From Patients With Diverse Clinical Phenotypes Characterized by Hot Genomic Structure Changes. <i>Frontiers in Oncology</i> , 2020, 10, 1382.	1.3	7
78	Clinical characteristics and prognosis factors analysis for post-operative ptosis of sphenocavernous meningiomas: A single institution study. <i>Clinical Neurology and Neurosurgery</i> , 2015, 131, 35-41.	0.6	6
79	Quantitative Assessment of Invasion of High-Grade Gliomas Using Diffusion Tensor Magnetic Resonance Imaging. <i>World Neurosurgery</i> , 2018, 113, e561-e567.	0.7	6
80	Identification of Grade-associated MicroRNAs in Brainstem Gliomas Based on Microarray Data. <i>Journal of Cancer</i> , 2018, 9, 4463-4476.	1.2	6
81	Glioma Association and Balancing Selection of ZFPM2. <i>PLoS ONE</i> , 2015, 10, e0133003.	1.1	6
82	A Global Multiregional Proteomic Map of the Human Cerebral Cortex. <i>Genomics, Proteomics and Bioinformatics</i> , 2022, 20, 614-632.	3.0	6
83	T gene isoform expression pattern is significantly different between chordomas and notochords. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 261-267.	1.0	5
84	Microsurgical management of primary jugular foramen meningiomas: a series of 22 cases and review of the literature. <i>Neurosurgical Review</i> , 2016, 39, 671-683.	1.2	5
85	CASP8, XRCC1, WRN, NF2, and BRIP1 Polymorphisms Analysis Shows Their Genetic Susceptibility for Meningioma Risk and the Association with Tumor-Related Phenotype in a Chinese Population. <i>World Neurosurgery</i> , 2018, 114, e883-e891.	0.7	5
86	Effect comparisons among treatment measures on progression-free survival in patients with skull base chordomas: a retrospective study of 234 post-surgical cases. <i>Acta Neurochirurgica</i> , 2017, 159, 1803-1813.	0.9	4
87	The Differentially Expressed Genes of Human Sporadic Cerebral CavernousÂMalformations. <i>World Neurosurgery</i> , 2018, 113, e247-e270.	0.7	4
88	Guideline conformity to the Stupp regimen in patients with newly diagnosed glioblastoma multiforme in China. <i>Future Oncology</i> , 2021, 17, 4571-4582.	1.1	4
89	Diverse evolutionary dynamics in glioblastoma inference by multi-region and single-cell sequencing.. <i>Journal of Clinical Oncology</i> , 2016, 34, 11580-11580.	0.8	4
90	Primary Squamous Cell Carcinomas Arising in Intracranial Epidermoid Cysts: A Series of Nine Cases and Systematic Review. <i>Frontiers in Oncology</i> , 2021, 11, 750899.	1.3	4

#	ARTICLE	IF	CITATIONS
91	Surgical management and clinical outcomes of cerebellar liponeurocytomas—a report of seven cases and a pooled analysis of individual patient data. <i>Neurosurgical Review</i> , 2022, 45, 1747-1757.	1.2	4
92	Adult diffuse intrinsic pontine glioma: clinical, radiological, pathological, molecular features, and treatments of 96 patients. <i>Journal of Neurosurgery</i> , 2022, 137, 1628-1638.	0.9	4
93	Surgical treatment and prognosis of focal brainstem gliomas in children. <i>Medicine (United States)</i> , 2020, 99, e22029.	0.4	3
94	Improving brain health by identifying structure-function relations in patients with neurosurgical disorders. <i>BMJ, The</i> , 2020, 371, m3690.	3.0	3
95	Improved 3D Catheter Shape Estimation Using Ultrasound Imaging for Endovascular Navigation: A Further Study. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 3616-3629.	3.9	3
96	Establishment of the National Brain Tumor Registry of China. <i>JCO Global Oncology</i> , 2020, 6, 47-48.	0.8	3
97	Prediction of H3 K27M-mutant in midline gliomas by magnetic resonance imaging: a systematic review and meta-analysis. <i>Neuroradiology</i> , 2022, 64, 1311-1319.	1.1	3
98	Authors' Reply to "Translating palbociclib to the clinic for DIPG - What is truly achievable?" <i>EBioMedicine</i> , 2019, 45, 23-24.	2.7	2
99	SCG3 Protein Expression in Glioma Associates With less Malignancy and Favorable Clinical Outcomes. <i>Pathology and Oncology Research</i> , 2021, 27, 594931.	0.9	2
100	Evaluation of the efficacy of laparoscopic-assisted radical vaginal hysterectomy and abdominal radical hysterectomy for treating cervical cancer: a meta-analysis. <i>Wideochirurgia I Inne Techniki Maloinwazyjne</i> , 2022, 17, 69-82.	0.3	2
101	Landscape of the oncogenic role of fatty acid synthase in human tumors. <i>Aging</i> , 2021, 13, 25106-25137.	1.4	2
102	Body Mass Index Has a Nonlinear Association With Postoperative 30-Day Mortality in Patients Undergoing Craniotomy for Tumors in Men: An Analysis of Data From the ACS NSQIP Database. <i>Frontiers in Endocrinology</i> , 2022, 13, 868968.	1.5	2
103	Analysis of variants at LGALS3 single nucleotide polymorphism loci in skull base chordoma. <i>Oncology Letters</i> , 2018, 16, 1312-1320.	0.8	1
104	Combination of Anti-Programmed Death 1 Therapy and Apatinib for a Patient with Hepatocellular Carcinoma and Brain Metastasis: Case Report and Literature Review. <i>World Neurosurgery</i> , 2020, 143, 114-117.	0.7	1
105	Abstract 2103: Distinct methylation patterns correlate with unique clinical and genomic profiles of brainstem gliomas. , 2021, , .		1
106	Possible pathogenic role of Brain-Derived Neurotrophic Factor (BDNF) in glaucoma-like optic neuropathy in patients with intracranial tumours. Reply. <i>Acta Ophthalmologica</i> , 2011, 89, e475-e476.	0.6	0
107	BSTM-01. POTENT ANTI-TUMOR EFFICACY OF PALBOCICLIB IN TREATMENT-NAÏVE H3.3K27M-MUTANT DIFFUSE INTRINSIC PONTINE GLIOMA. <i>Neuro-Oncology</i> , 2019, 21, ii67-ii67.	0.6	0
108	Trans-lamina terminalis supratentorial approach for ventral midbrain lesions: Technical note. <i>Journal of Clinical Neuroscience</i> , 2021, 83, 25-30.	0.8	0

#	ARTICLE	IF	CITATIONS
109	A pacemaker-assisted microvascular decompression for a patient with left primary facial spasm and arrhythmia: a case report. BMC Surgery, 2021, 21, 27.	0.6	0
110	LC-MS-based urine metabolomics analyses for early diagnosis of medulloblastoma. FASEB Journal, 2020, 34, 1-1.	0.2	0
111	The Right Internal Jugular at the Cricoid Cartilage Level May Represent the Optimal Central Vein Puncture Site in Pediatric Patients. Frontiers in Pediatrics, 2022, 10, 833845.	0.9	0
112	Microvascular decompression and aneurysm clipping for a patient with hemifacial spasm and ipsilateral labyrinthine artery aneurysm: A rare case report and literature review. CNS Neuroscience and Therapeutics, 2022, 28, 307-309.	1.9	0