

Atsushi Natsume

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195
papers

5,190
citations

42
h-index

65
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207
ext. papers

6,129
ext. citations

4.5
avg, IF

5.12
L-index

#	Paper	IF	Citations
195	Mutational landscape and clonal architecture in grade II and III gliomas. <i>Nature Genetics</i> , 2015 , 47, 458-68	6.3	543
194	Targeting the Notch-regulated non-coding RNA TUG1 for glioma treatment. <i>Nature Communications</i> , 2016 , 7, 13616	17.4	201
193	IFN-beta down-regulates the expression of DNA repair gene MGMT and sensitizes resistant glioma cells to temozolomide. <i>Cancer Research</i> , 2005 , 65, 7573-9	10.1	141
192	Novel somatic and germline mutations in intracranial germ cell tumours. <i>Nature</i> , 2014 , 511, 241-5	50.4	131
191	Prognostic relevance of genetic alterations in diffuse lower-grade gliomas. <i>Neuro-Oncology</i> , 2018 , 20, 66-77	1	128
190	Variable DNA methylation patterns associated with progression of disease in hepatocellular carcinomas. <i>Carcinogenesis</i> , 2008 , 29, 1901-10	4.6	106
189	Current trends in targeted therapies for glioblastoma multiforme. <i>Neurology Research International</i> , 2012 , 2012, 878425	1.7	102
188	Intravenously transplanted human neural stem cells migrate to the injured spinal cord in adult mice in an SDF-1- and HGF-dependent manner. <i>Neuroscience Letters</i> , 2007 , 426, 69-74	3.3	102
187	Antitumor effect and cellular immunity activation by murine interferon-beta gene transfer against intracerebral glioma in mouse. <i>Gene Therapy</i> , 1999 , 6, 1626-33	4	91
186	Efficient delivery of liposome-mediated MGMT-siRNA reinforces the cytotoxicity of temozolomide in GBM-initiating cells. <i>Gene Therapy</i> , 2010 , 17, 1363-71	4	89
185	Quantitative metabolome analysis profiles activation of glutaminolysis in glioma with IDH1 mutation. <i>Tumor Biology</i> , 2014 , 35, 5911-20	2.9	80
184	GE-34THE MUTATIONAL LANDSCAPE AND TEMPORAL AND SPATIAL CLONAL EVOLUTION TO PROGRESSION IN 351 LOW-GRADE GLIOMAS. <i>Neuro-Oncology</i> , 2014 , 16, v103-v104	1	78
183	The DNA demethylating agent 5-aza-2Pdeoxycytidine activates NY-ESO-1 antigenicity in orthotopic human glioma. <i>International Journal of Cancer</i> , 2008 , 122, 2542-53	7.5	78
182	The global DNA methylation surrogate LINE-1 methylation is correlated with MGMT promoter methylation and is a better prognostic factor for glioma. <i>PLoS ONE</i> , 2011 , 6, e23332	3.7	76
181	Podoplanin: An emerging cancer biomarker and therapeutic target. <i>Cancer Science</i> , 2018 , 109, 1292-1299	6.9	75
180	Effectiveness of plasma treatment on gastric cancer cells. <i>Gastric Cancer</i> , 2015 , 18, 635-43	7.6	73
179	Benefits of interferon- β and temozolomide combination therapy for newly diagnosed primary glioblastoma with the unmethylated MGMT promoter: A multicenter study. <i>Cancer</i> , 2011 , 117, 1721-30	6.4	72

178	Chromatin regulator PRC2 is a key regulator of epigenetic plasticity in glioblastoma. <i>Cancer Research</i> , 2013 , 73, 4559-70	10.1	69
177	EGFR mutations in patients with brain metastases from lung cancer: association with the efficacy of gefitinib. <i>Neuro-Oncology</i> , 2006 , 8, 137-44	1	68
176	Human neural stem cells target and deliver therapeutic gene to experimental leptomeningeal medulloblastoma. <i>Gene Therapy</i> , 2007 , 14, 1132-42	4	65
175	Expression of miR-17-92 enhances anti-tumor activity of T-cells transduced with the anti-EGFRvIII chimeric antigen receptor in mice bearing human GBM xenografts 2013 , 1, 21		61
174	Epigenetic subclassification of meningiomas based on genome-wide DNA methylation analyses. <i>Carcinogenesis</i> , 2012 , 33, 436-41	4.6	61
173	Girdin maintains the stemness of glioblastoma stem cells. <i>Oncogene</i> , 2012 , 31, 2715-24	9.2	61
172	A phase I clinical trial of interferon-beta gene therapy for high-grade glioma: novel findings from gene expression profiling and autopsy. <i>Journal of Gene Medicine</i> , 2008 , 10, 329-39	3.5	61
171	Bcl-2 and GDNF delivered by HSV-mediated gene transfer act additively to protect dopaminergic neurons from 6-OHDA-induced degeneration. <i>Experimental Neurology</i> , 2001 , 169, 231-8	5.7	61
170	Human neural stem cells transduced with IFN-beta and cytosine deaminase genes intensify bystander effect in experimental glioma. <i>Cancer Gene Therapy</i> , 2010 , 17, 299-306	5.4	55
169	A combination of IFN-beta and temozolomide in human glioma xenograft models: implication of p53-mediated MGMT downregulation. <i>Cancer Chemotherapy and Pharmacology</i> , 2008 , 61, 653-9	3.5	55
168	Oncogenic effects of evolutionarily conserved noncoding RNA ECONEXIN on gliomagenesis. <i>Oncogene</i> , 2017 , 36, 4629-4640	9.2	54
167	CAR T Cells Targeting Podoplanin Reduce Orthotopic Glioblastomas in Mouse Brains. <i>Cancer Immunology Research</i> , 2016 , 4, 259-68	12.5	54
166	IFN-beta gene therapy induces systemic antitumor immunity against malignant glioma. <i>Journal of Neuro-Oncology</i> , 2000 , 47, 117-24	4.8	54
165	The modulation of microRNAs by type I IFN through the activation of signal transducers and activators of transcription 3 in human glioma. <i>Molecular Cancer Research</i> , 2009 , 7, 2022-30	6.6	51
164	Inhibition of acid secretion in gastric parietal cells by the Ca ²⁺ /calmodulin-dependent protein kinase II inhibitor KN-93. <i>Biochemical and Biophysical Research Communications</i> , 1993 , 195, 608-15	3.4	51
163	Novel Human NK Cell Line Carrying CAR Targeting EGFRvIII Induces Antitumor Effects in Glioblastoma Cells. <i>Anticancer Research</i> , 2018 , 38, 5049-5056	2.3	50
162	Ganglioside GD3 Enhances Invasiveness of Gliomas by Forming a Complex with Platelet-derived Growth Factor Receptor and Yes Kinase. <i>Journal of Biological Chemistry</i> , 2015 , 290, 16043-58	5.4	48
161	Epigenetic dysregulation in glioma. <i>Cancer Science</i> , 2014 , 105, 363-9	6.9	48

160	Contribution of microRNA-1275 to Claudin11 protein suppression via a polycomb-mediated silencing mechanism in human glioma stem-like cells. <i>Journal of Biological Chemistry</i> , 2012 , 287, 27396-406	5.4	47
159	Dendritic cells pulsed with tumor extract-cationic liposome complex increase the induction of cytotoxic T lymphocytes in mouse brain tumor. <i>Cancer Immunology, Immunotherapy</i> , 2001 , 50, 463-8	7.4	47
158	Synergistic induction of NY-ESO-1 antigen expression by a novel histone deacetylase inhibitor, valproic acid, with 5-aza-2Pdeoxycytidine in glioma cells. <i>Journal of Neuro-Oncology</i> , 2009 , 92, 15-22	4.8	46
157	Glioma-initiating cells and molecular pathology: implications for therapy. <i>Brain Tumor Pathology</i> , 2011 , 28, 1-12	3.2	45
156	Malignant transformation-related genes in meningiomas: allelic loss on 1p36 and methylation status of p73 and RASSF1A. <i>Journal of Neurosurgery</i> , 2007 , 107, 398-404	3.2	45
155	Bcl-2 and GDNF delivered by HSV-mediated gene transfer after spinal root avulsion provide a synergistic effect. <i>Journal of Neurotrauma</i> , 2002 , 19, 61-8	5.4	45
154	Lenalidomide enhances the function of chimeric antigen receptor T cells against the epidermal growth factor receptor variant III by enhancing immune synapses. <i>Cancer Gene Therapy</i> , 2015 , 22, 487-95	5.4	42
153	Lack of presence of the human cytomegalovirus in human glioblastoma. <i>Modern Pathology</i> , 2014 , 27, 922-9	9.8	42
152	Retrovirally engineered T-cell-based immunotherapy targeting type III variant epidermal growth factor receptor, a glioma-associated antigen. <i>Cancer Science</i> , 2010 , 101, 2518-24	6.9	41
151	Induction of oligodendrogenesis in glioblastoma-initiating cells by IFN-mediated activation of STAT3 signaling. <i>Cancer Letters</i> , 2009 , 284, 71-9	9.9	40
150	Type I interferon inhibits astrocytic gliosis and promotes functional recovery after spinal cord injury by deactivation of the MEK/ERK pathway. <i>Journal of Neurotrauma</i> , 2009 , 26, 41-53	5.4	39
149	Herpes simplex virus vector-mediated expression of Bcl-2 protects spinal motor neurons from degeneration following root avulsion. <i>Experimental Neurology</i> , 2001 , 168, 225-30	5.7	39
148	Peptide-pulsed dendritic cell vaccination targeting interleukin-13 receptor β chain in recurrent malignant glioma patients with HLA-A*24/A*02 allele. <i>Cytotherapy</i> , 2012 , 14, 733-42	4.8	37
147	Association of dorsal inferior frontooccipital fasciculus fibers in the deep parietal lobe with both reading and writing processes: a brain mapping study. <i>Journal of Neurosurgery</i> , 2014 , 121, 142-8	3.2	36
146	p16 promoter methylation in the serum as a basis for the molecular diagnosis of gliomas. <i>Neurosurgery</i> , 2009 , 64, 455-61; discussion 461-2	3.2	36
145	Antiangiogenic activity of BAI1 in vivo: implications for gene therapy of human glioblastomas. <i>Cancer Gene Therapy</i> , 2006 , 13, 385-92	5.4	36
144	Effect of CRISPR/Cas9-Mediated PD-1-Disrupted Primary Human Third-Generation CAR-T Cells Targeting EGFRvIII on In Vitro Human Glioblastoma Cell Growth. <i>Cells</i> , 2020 , 9,	7.9	35
143	Cytokine networks in glioma. <i>Neurosurgical Review</i> , 2011 , 34, 253-63; discussion 263-4	3.9	35

142	The free-radical scavenger edaravone restores the differentiation of human neural precursor cells after radiation-induced oxidative stress. <i>Neuroscience Letters</i> , 2007 , 423, 225-30	3.3	33
141	A randomized, double-blind, phase III trial of personalized peptide vaccination for recurrent glioblastoma. <i>Neuro-Oncology</i> , 2019 , 21, 348-359	1	33
140	Immunohistochemical analysis-based proteomic subclassification of newly diagnosed glioblastomas. <i>Cancer Science</i> , 2012 , 103, 1871-9	6.9	32
139	A multicenter phase I trial of combination therapy with interferon- β and temozolomide for high-grade gliomas (INTEGRA study): the final report. <i>Journal of Neuro-Oncology</i> , 2011 , 104, 573-7	4.8	32
138	Significance of perivascular tumour cells defined by CD109 expression in progression of glioma. <i>Journal of Pathology</i> , 2017 , 243, 468-480	9.4	29
137	Inhibition of Aurora-B function increases formation of multinucleated cells in p53 gene deficient cells and enhances anti-tumor effect of temozolomide in human glioma cells. <i>Journal of Neuro-Oncology</i> , 2007 , 83, 249-58	4.8	29
136	JCOG0911 INTEGRA study: a randomized screening phase II trial of interferon- β plus temozolomide in comparison with temozolomide alone for newly diagnosed glioblastoma. <i>Journal of Neuro-Oncology</i> , 2018 , 138, 627-636	4.8	28
135	Blockade of gap junction hemichannel protects secondary spinal cord injury from activated microglia-mediated glutamate excitotoxicity. <i>Journal of Neurotrauma</i> , 2014 , 31, 1967-74	5.4	28
134	Gene therapy for high-grade glioma: current approaches and future directions. <i>Cell Adhesion and Migration</i> , 2008 , 2, 186-91	3.2	27
133	Intraventricular chordoid meningioma presenting with Castleman disease due to overproduction of interleukin-6. Case report. <i>Journal of Neurosurgery</i> , 2005 , 102, 733-7	3.2	27
132	Surgical benefits of combined awake craniotomy and intraoperative magnetic resonance imaging for gliomas associated with eloquent areas. <i>Journal of Neurosurgery</i> , 2017 , 127, 790-797	3.2	26
131	A hypoxia-inducible factor (HIF)-3 β splicing variant, HIF-3 β impairs angiogenesis in hypervascular malignant meningiomas with epigenetically silenced HIF-3 β . <i>Biochemical and Biophysical Research Communications</i> , 2013 , 433, 139-44	3.4	26
130	Cationic liposome conjugation to recombinant adenoviral vector reduces viral antigenicity. <i>Japanese Journal of Cancer Research</i> , 2000 , 91, 363-7		26
129	Interferon- β delivery via human neural stem cell abates glial scar formation in spinal cord injury. <i>Cell Transplantation</i> , 2013 , 22, 2187-201	4	24
128	Clinical features of patients bearing central nervous system hemangioblastoma in von Hippel-Lindau disease. <i>Acta Neurochirurgica</i> , 2013 , 155, 1-7	3	23
127	The role of PLK1-phosphorylated SVIL in myosin II activation and cytokinetic furrowing. <i>Journal of Cell Science</i> , 2013 , 126, 3627-37	5.3	23
126	Neural stem cell-based dual suicide gene delivery for metastatic brain tumors. <i>Cancer Gene Therapy</i> , 2012 , 19, 796-801	5.4	23
125	Establishment of novel monoclonal antibodies KMab-1 and MAb-1 specific for IDH2 mutations. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 432, 40-5	3.4	22

124	Efficacy of temozolomide is correlated with 1p loss and methylation of the deoxyribonucleic acid repair gene MGMT in malignant gliomas. <i>Neurologia Medico-Chirurgica</i> , 2007 , 47, 341-9; discussion 350	2.6	22
123	Neurocognitive and functional outcomes in patients with diffuse frontal lower-grade gliomas undergoing intraoperative awake brain mapping. <i>Journal of Neurosurgery</i> , 2019 , 132, 1683-1691	3.2	22
122	Rhabdoid glioblastoma in a child: case report and literature review. <i>Brain Tumor Pathology</i> , 2011 , 28, 65-70	3.2	21
121	Epigenetic aberrations and therapeutic implications in gliomas. <i>Cancer Science</i> , 2010 , 101, 1331-6	6.9	20
120	Enhanced functional recovery after proximal nerve root injury by vector-mediated gene transfer. <i>Experimental Neurology</i> , 2003 , 184, 878-86	5.7	20
119	Clinical practice guidance for next-generation sequencing in cancer diagnosis and treatment (edition 2.1). <i>International Journal of Clinical Oncology</i> , 2021 , 26, 233-283	4.2	20
118	Identification of a human leukocyte antigen-A24-restricted T-cell epitope derived from interleukin-13 receptor alpha2 chain, a glioma-associated antigen. <i>Journal of Neurosurgery</i> , 2008 , 109, 117-22	3.2	19
117	Long-term survival in patients with newly diagnosed primary central nervous system lymphoma treated with dexamethasone, etoposide, ifosfamide and carboplatin chemotherapy and whole-brain radiation therapy. <i>Leukemia and Lymphoma</i> , 2011 , 52, 2069-75	1.9	18
116	Overview of DNA methylation in adult diffuse gliomas. <i>Brain Tumor Pathology</i> , 2019 , 36, 84-91	3.2	17
115	Paired related homeobox 1 is associated with the invasive properties of glioblastoma cells. <i>Oncology Reports</i> , 2015 , 33, 1123-30	3.5	17
114	Assessment of tumor cells in a mouse model of diffuse infiltrative glioma by Raman spectroscopy. <i>BioMed Research International</i> , 2014 , 2014, 860241	3	17
113	A novel method of intracranial injection via the postglenoid foramen for brain tumor mouse models. <i>Journal of Neurosurgery</i> , 2012 , 116, 630-5	3.2	17
112	Process of apoptosis induced by TNF-alpha in murine fibroblast Ltk-cells: continuous observation with video enhanced contrast microscopy. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2002 , 7, 77-86	5.4	17
111	A free-radical scavenger protects the neural progenitor cells in the dentate subgranular zone of the hippocampus from cell death after X-irradiation. <i>Neuroscience Letters</i> , 2010 , 485, 65-70	3.3	16
110	Anterior insular cortex stimulation and its effects on emotion recognition. <i>Brain Structure and Function</i> , 2019 , 224, 2167-2181	4	15
109	Supratotal Resection of Diffuse Frontal Lower Grade Gliomas with Awake Brain Mapping, Preserving Motor, Language, and Neurocognitive Functions. <i>World Neurosurgery</i> , 2018 , 119, 30-39	2.1	15
108	Correlation between quantified promoter methylation and enzymatic activity of O6-methylguanine-DNA methyltransferase in glioblastomas. <i>Tumor Biology</i> , 2012 , 33, 373-81	2.9	15
107	A novel monoclonal antibody GMab-m1 specifically recognizes IDH1-R132G mutation. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 432, 564-7	3.4	15

106	Intra-extradural dumbbell-shaped hemangioblastoma manifesting as subarachnoid hemorrhage in the cauda equina. <i>Neurologia Medico-Chirurgica</i> , 2012 , 52, 659-65	2.6	15
105	A multicenter phase I trial of interferon-beta and temozolomide combination therapy for high-grade gliomas (INTEGRA Study). <i>Japanese Journal of Clinical Oncology</i> , 2008 , 38, 715-8	2.8	15
104	Gene therapy for high-grade glioma. <i>Neurologia Medico-Chirurgica</i> , 2010 , 50, 727-36	2.6	14
103	Growth inhibition of subcutaneous mouse melanoma and induction of natural killer cells by liposome-mediated interferon-beta gene therapy. <i>Melanoma Research</i> , 2003 , 13, 349-56	3.3	13
102	Immunohistochemical ATRX expression is not a surrogate for 1p19q codeletion. <i>Brain Tumor Pathology</i> , 2018 , 35, 106-113	3.2	12
101	Efficacy of the transtemporal approach with awake brain mapping to reach the dominant posteromedial temporal lesions. <i>Acta Neurochirurgica</i> , 2017 , 159, 177-184	3	12
100	Peptide-based inhibition of the HOXA9/PBX interaction retards the growth of human meningioma. <i>Cancer Chemotherapy and Pharmacology</i> , 2014 , 73, 53-60	3.5	12
99	A novel all-in-one intraoperative genotyping system for IDH1-mutant glioma. <i>Brain Tumor Pathology</i> , 2017 , 34, 91-97	3.2	11
98	Applicable advances in the molecular pathology of glioblastoma. <i>Brain Tumor Pathology</i> , 2015 , 32, 153-63	3.2	11
97	Brain metastases from apocrine carcinoma of the scalp: case report. <i>Journal of Neuro-Oncology</i> , 2006 , 77, 285-9	4.8	11
96	An immuno-wall microdevice exhibits rapid and sensitive detection of IDH1-R132H mutation specific to grade II and III gliomas. <i>Science and Technology of Advanced Materials</i> , 2016 , 17, 618-625	7.1	11
95	Validation of a novel molecular RPA classification in glioblastoma (GBM-molRPA) treated with chemoradiation: A multi-institutional collaborative study. <i>Radiotherapy and Oncology</i> , 2018 , 129, 347-351	5.3	11
94	A novel high-sensitivity assay to detect a small fraction of mutant IDH1 using droplet digital PCR. <i>Brain Tumor Pathology</i> , 2018 , 35, 97-105	3.2	10
93	Cytokine therapy. <i>Advances in Experimental Medicine and Biology</i> , 2012 , 746, 86-94	3.6	9
92	Transduction efficiency of adenoviral vectors into human glioma cells increased by association with cationic liposomes. <i>Neurologia Medico-Chirurgica</i> , 2000 , 40, 256-60	2.6	9
91	Preclinical evaluation of an O(6)-methylguanine-DNA methyltransferase-siRNA/liposome complex administered by convection-enhanced delivery to rat and porcine brains. <i>American Journal of Translational Research (discontinued)</i> , 2014 , 6, 169-78	3	9
90	Multiplex ligation-dependent probe amplification analysis is useful for detecting a copy number gain of the FGFR1 tyrosine kinase domain in dysembryoplastic neuroepithelial tumors. <i>Journal of Neuro-Oncology</i> , 2019 , 143, 27-33	4.8	8
89	Activation of Yes-Associated Protein in Low-Grade Meningiomas Is Regulated by Merlin, Cell Density, and Extracellular Matrix Stiffness. <i>Journal of Neuropathology and Experimental Neurology</i> , 2015 , 74, 704-9	3.1	8

88	Interferon-beta, MCNU, and conventional radiotherapy for pediatric patients with brainstem glioma. <i>Pediatric Blood and Cancer</i> , 2009 , 53, 37-41	3	8
87	Preoperative predictive factors affecting return to work in patients with gliomas undergoing awake brain mapping. <i>Journal of Neuro-Oncology</i> , 2020 , 146, 195-205	4.8	8
86	So-called bifocal tumors with diabetes insipidus and negative tumor markers: are they all germinoma?. <i>Neuro-Oncology</i> , 2021 , 23, 295-303	1	8
85	Remote ischemic preconditioning protects human neural stem cells from oxidative stress. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2017 , 22, 1353-1361	5.4	7
84	Papillary glioneuronal tumor with a high proliferative component and minigemistocytes in a child. <i>Neuropathology</i> , 2014 , 34, 484-90	2	7
83	Adoptive transfer of genetically modified WilmsPtumor 1-specific T cells in a novel malignant skull base meningioma model. <i>Neuro-Oncology</i> , 2013 , 15, 747-58	1	7
82	Comparing the Efficacy of DeVIC Therapy and High-dose Methotrexate Monotherapy with Whole-brain Radiation Therapy for Newly-diagnosed Primary Central Nervous System Lymphoma: A Single Institution Study. <i>Anticancer Research</i> , 2017 , 37, 5215-5223	2.3	7
81	Adoptive immunotherapy for the treatment of glioblastoma: progress and possibilities. <i>Immunotherapy</i> , 2016 , 8, 1393-1404	3.8	7
80	Anaplastic meningioma with rapid growth after omental flap transposition: a case report and experimental study. <i>Brain Tumor Pathology</i> , 2015 , 32, 137-44	3.2	6
79	KHYG-1 Cells With EGFRVIII-specific CAR Induced a Pseudoprogression-like Feature in Subcutaneous Tumours Derived from Glioblastoma-like Cells. <i>Anticancer Research</i> , 2020 , 40, 3231-3237	2.3	6
78	Navigated repetitive transcranial magnetic stimulation as preoperative assessment in patients with brain tumors. <i>Scientific Reports</i> , 2020 , 10, 9044	4.9	6
77	H3F3A mutant allele specific imbalance in an aggressive subtype of diffuse midline glioma, H3 K27M-mutant. <i>Acta Neuropathologica Communications</i> , 2020 , 8, 8	7.3	6
76	Neuroendoscopic Cylinder Surgery and 5-Aminolevulinic Acid Photodynamic Diagnosis of Deep-Seated Intracranial Lesions. <i>World Neurosurgery</i> , 2018 , 116, e35-e41	2.1	6
75	Olig2 labeling index is correlated with histological and molecular classifications in low-grade diffuse gliomas. <i>Journal of Neuro-Oncology</i> , 2014 , 120, 283-91	4.8	6
74	Genetically heterogeneous glioblastoma recurring with disappearance of 1p/19q losses: case report. <i>Neurosurgery</i> , 2007 , 61, E168-9; discussion E169	3.2	6
73	Urinary MicroRNA-Based Diagnostic Model for Central Nervous System Tumors Using Nanowire Scaffolds. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 17316-17329	9.5	6
72	Surgical Designs of Revascularization for Moyamoya Disease: 15 Years of Experience in a Single Center. <i>World Neurosurgery</i> , 2020 , 139, e325-e334	2.1	6
71	Effects of aspirin and heparin treatment on perioperative outcomes in patients with Moyamoya disease. <i>Acta Neurochirurgica</i> , 2021 , 163, 1485-1491	3	6

70	Ependymoma-like tumor with mesenchymal differentiation harboring C11orf95-NCOA1/2 or -RELA fusion: A hitherto unclassified tumor related to ependymoma. <i>Brain Pathology</i> , 2021 , 31, e12943	6	6
69	Identification of a novel fusion gene HMGA2-EGFR in glioblastoma. <i>International Journal of Cancer</i> , 2018 , 142, 1627-1639	7.5	6
68	Postoperative stroke and neurological outcomes in the early phase after revascularization surgeries for moyamoya disease: an age-stratified comparative analysis. <i>Neurosurgical Review</i> , 2021 , 44, 2785-2795	3.9	6
67	Next Generation Sequencing-Based Transcriptome Predicts Bevacizumab Efficacy in Combination with Temozolomide in Glioblastoma. <i>Molecules</i> , 2019 , 24,	4.8	5
66	Aberrant Transcriptional Regulation of Super-enhancers by RET Finger Protein-histone Deacetylase 1 Complex in Glioblastoma: Chemoresistance to Temozolomide. <i>Neurologia Medico-Chirurgica</i> , 2019 , 59, 293-298	2.6	5
65	Aberrant Active cis-Regulatory Elements Associated with Downregulation of RET Finger Protein Overcome Chemoresistance in Glioblastoma. <i>Cell Reports</i> , 2019 , 26, 2274-2281.e5	10.6	5
64	Rapid sensitive analysis of IDH1 mutation in lower-grade gliomas by automated genetic typing involving a quenching probe. <i>Cancer Investigation</i> , 2016 , 34, 12-5	2.1	5
63	Cytokine Therapy of Gliomas. <i>Progress in Neurological Surgery</i> , 2018 , 32, 79-89	1.4	5
62	Antitumorigenic effect of interferon- β by inhibition of undifferentiated glioblastoma cells. <i>International Journal of Oncology</i> , 2015 , 47, 1647-54	4.4	5
61	Spinal dural arteriovenous fistula associated with L-4 isthmic spondylolisthesis. <i>Journal of Neurosurgery: Spine</i> , 2014 , 20, 670-4	2.8	5
60	Lack of GD3 synthase (St8sia1) attenuates malignant properties of gliomas in genetically engineered mouse model. <i>Cancer Science</i> , 2021 , 112, 3756-3768	6.9	5
59	Progressively unstable c2 spondylolysis requiring spinal fusion: case report. <i>Neurologia Medico-Chirurgica</i> , 2014 , 54, 761-7	2.6	4
58	Development of Database and Genomic Medicine for von Hippel-Lindau Disease in Japan. <i>Neurologia Medico-Chirurgica</i> , 2017 , 57, 59-65	2.6	4
57	Establishment of in-hospital clinical network for patients with neurofibromatosis type 1 in Nagoya University Hospital. <i>Scientific Reports</i> , 2021 , 11, 11933	4.9	4
56	Newly established patient-derived organoid model of intracranial meningioma. <i>Neuro-Oncology</i> , 2021 , 23, 1936-1948	1	4
55	Synthesis of PET probe O-[(3-[^{14}C]methyl)benzyl]guanine by Pd-mediated rapid C-[^{14}C]methylation toward imaging DNA repair protein O-methylguanine-DNA methyltransferase in glioblastoma. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 1892-1896	2.9	3
54	Posterior Cerebral Artery Reconstruction by In-Situ Bypass with Superior Cerebellar Artery via Occipital Transtentorial Approach. <i>World Neurosurgery</i> , 2019 , 126, 24-29	2.1	3
53	Intravenous administration of temozolomide as a useful alternative over oral treatment with temozolomide capsules in patients with gliomas. <i>Journal of Neuro-Oncology</i> , 2012 , 106, 209-11	4.8	3

52	Spinal intradural cystic venous angioma originating from a nerve root in the cauda equina. <i>Journal of Neurosurgery: Spine</i> , 2013 , 19, 716-20	2.8	3
51	RNA Interference Therapeutics for Tumor Therapy 2014 , 393-408		3
50	Effects of insular resection on interactions between cardiac interoception and emotion recognition. <i>Cortex</i> , 2021 , 137, 271-281	3.8	3
49	Significance of low mTORC1 activity in defining the characteristics of brain tumor stem cells. <i>Neuro-Oncology</i> , 2017 , 19, 636-647	1	3
48	Necessity for craniospinal irradiation of germinoma with positive cytology without spinal lesion on MR imaging-A controversy. <i>Neuro-Oncology Advances</i> , 2021 , 3, vdab086	0.9	3
47	Characterization of Intraoperative Motor Evoked Potential Monitoring for Surgery of the Pediatric Population with Brain Tumors. <i>World Neurosurgery</i> , 2018 , 119, e1052-e1059	2.1	3
46	Inflammation Flare and Radiation Necrosis Around a Stereotactic Radiotherapy-Pretreated Brain Metastasis Site After Nivolumab Treatment. <i>Journal of Thoracic Oncology</i> , 2018 , 13, 1975-1978	8.9	3
45	Pathogenic Epigenetic Consequences of Genetic Alterations in IDH-Wild-Type Diffuse Astrocytic Gliomas. <i>Cancer Research</i> , 2019 , 79, 4814-4827	10.1	2
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