

# Kazuya Motomura

## List of Publications by Year in descending order

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84  
papers

2,833  
citations

257450

24  
h-index

189892

50  
g-index

87  
all docs

87  
docs citations

87  
times ranked

4968  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mutational landscape and clonal architecture in grade II and III gliomas. <i>Nature Genetics</i> , 2015, 47, 458-468.	21.4	729
2	Prognostic relevance of genetic alterations in diffuse lower-grade gliomas. <i>Neuro-Oncology</i> , 2018, 20, 66-77.	1.2	225
3	Efficient delivery of liposome-mediated MGMT-siRNA reinforces the cytotoxicity of temozolomide in GBM-initiating cells. <i>Gene Therapy</i> , 2010, 17, 1363-1371.	4.5	107
4	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.	2.5	95
5	Quantitative metabolome analysis profiles activation of glutaminolysis in glioma with IDH1 mutation. <i>Tumor Biology</i> , 2014, 35, 5911-5920.	1.8	95
6	CAR T Cells Targeting Podoplanin Reduce Orthotopic Glioblastomas in Mouse Brains. <i>Cancer Immunology Research</i> , 2016, 4, 259-268.	3.4	90
7	Benefits of interferon- $\gamma$ and temozolomide combination therapy for newly diagnosed primary glioblastoma with the unmethylated MGMT promoter. <i>Cancer</i> , 2011, 117, 1721-1730.	4.1	85
8	Intraoperative subcortical mapping of a language-associated deep frontal tract connecting the superior frontal gyrus to Broca's area in the dominant hemisphere of patients with glioma. <i>Journal of Neurosurgery</i> , 2015, 122, 1390-1396.	1.6	79
9	Evaluation of Resting State Networks in Patients with Gliomas: Connectivity Changes in the Unaffected Side and Its Relation to Cognitive Function. <i>PLoS ONE</i> , 2015, 10, e0118072.	2.5	73
10	Girdin maintains the stemness of glioblastoma stem cells. <i>Oncogene</i> , 2012, 31, 2715-2724.	5.9	67
11	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, 2022-2030.	3.4	58
12	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, 487-495.	4.6	56
13	Glioma-initiating cells and molecular pathology: implications for therapy. <i>Brain Tumor Pathology</i> , 2011, 28, 1-12.	1.7	55
14	Retrovirally engineered T cell-based immunotherapy targeting type III variant epidermal growth factor receptor, a glioma-associated antigen. <i>Cancer Science</i> , 2010, 101, 2518-2524.	3.9	53
15	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, 142-148.	1.6	53
16	Lack of presence of the human cytomegalovirus in human glioblastoma. <i>Modern Pathology</i> , 2014, 27, 922-929.	5.5	47
17	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.	1.6	45
18	Immunohistochemical analysis-based proteomic subclassification of newly diagnosed glioblastomas. <i>Cancer Science</i> , 2012, 103, 1871-1879.	3.9	42

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19	<i><sc>MET</sc></i> Gain in Diffuse Astrocytomas is Associated with Poorer Outcome. Brain Pathology, 2013, 23, 13-18.	4.1	37
20	Neurocognitive and functional outcomes in patients with diffuse frontal lower-grade gliomas undergoing intraoperative awake brain mapping. Journal of Neurosurgery, 2020, 132, 1683-1691.	1.6	37
21	Interferon- $\beta$ Delivery via Human Neural Stem Cell Abates Glial Scar Formation in Spinal Cord Injury. Cell Transplantation, 2013, 22, 2187-2201.	2.5	30
22	Supratotal Resection of Diffuse Frontal Lower Grade Gliomas with Awake Brain Mapping, Preserving Motor, Language, and Neurocognitive Functions. World Neurosurgery, 2018, 119, 30-39.	1.3	29
23	Neural stem cell-based dual suicide gene delivery for metastatic brain tumors. Cancer Gene Therapy, 2012, 19, 796-801.	4.6	27
24	Urinary MicroRNA-Based Diagnostic Model for Central Nervous System Tumors Using Nanowire Scaffolds. ACS Applied Materials & Interfaces, 2021, 13, 17316-17329.	8.0	27
25	Newly established patient-derived organoid model of intracranial meningioma. Neuro-Oncology, 2021, 23, 1936-1948.	1.2	26
26	Epigenetic aberrations and therapeutic implications in gliomas. Cancer Science, 2010, 101, 1331-1336.	3.9	25
27	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. Leukemia and Lymphoma, 2011, 52, 2069-2075.	1.3	25
28	Rhabdoid glioblastoma in a child: case report and literature review. Brain Tumor Pathology, 2011, 28, 65-70.	1.7	23
29	Anterior insular cortex stimulation and its effects on emotion recognition. Brain Structure and Function, 2019, 224, 2167-2181.	2.3	23
30	The first-in-human phase I study of a brain-penetrant mutant IDH1 inhibitor DS-1001 in patients with recurrent or progressive IDH1-mutant gliomas. Neuro-Oncology, 2023, 25, 326-336.	1.2	23
31	Assessment of Tumor Cells in a Mouse Model of Diffuse Infiltrative Glioma by Raman Spectroscopy. BioMed Research International, 2014, 2014, 1-8.	1.9	21
32	A free-radical scavenger protects the neural progenitor cells in the dentate subgranular zone of the hippocampus from cell death after X-irradiation. Neuroscience Letters, 2010, 485, 65-70.	2.1	20
33	Peptide-based inhibition of the HOXA9/PBX interaction retards the growth of human meningioma. Cancer Chemotherapy and Pharmacology, 2014, 73, 53-60.	2.3	20
34	Validation of a novel molecular RPA classification in glioblastoma (GBM-molRPA) treated with chemoradiation: A multi-institutional collaborative study. Radiotherapy and Oncology, 2018, 129, 347-351.	0.6	18
35	A novel all-in-one intraoperative genotyping system for IDH1-mutant glioma. Brain Tumor Pathology, 2017, 34, 91-97.	1.7	16
36	Immunohistochemical ATRX expression is not a surrogate for 1p19q codeletion. Brain Tumor Pathology, 2018, 35, 106-113.	1.7	16

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37	Impact of the extent of resection on the survival of patients with grade II and III gliomas using awake brain mapping. <i>Journal of Neuro-Oncology</i> , 2021, 153, 361-372.	2.9	16
38	DMBT1 Homozygous Deletion in Diffuse Astrocytomas Is Associated With Unfavorable Clinical Outcome. <i>Journal of Neuropathology and Experimental Neurology</i> , 2012, 71, 702-707.	1.7	15
39	Correlation between quantified promoter methylation and enzymatic activity of O <sup>6</sup> -methylguanine-DNA methyltransferase in glioblastomas. <i>Tumor Biology</i> , 2012, 33, 373-381.	1.8	15
40	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, 704-709.	1.7	14
41	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.	1.7	14
42	H3F3A mutant allele specific imbalance in an aggressive subtype of diffuse midline glioma, H3 K27M-mutant. <i>Acta Neuropathologica Communications</i> , 2020, 8, 8.	5.2	14
43	<i>PDGFRA</i> Gain in Low-Grade Diffuse Gliomas. <i>Journal of Neuropathology and Experimental Neurology</i> , 2013, 72, 61-66.	1.7	13
44	Navigated repetitive transcranial magnetic stimulation as preoperative assessment in patients with brain tumors. <i>Scientific Reports</i> , 2020, 10, 9044.	3.3	13
45	Applicable advances in the molecular pathology of glioblastoma. <i>Brain Tumor Pathology</i> , 2015, 32, 153-162.	1.7	12
46	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.	6.1	12
47	Efficacy of the transtemporal approach with awake brain mapping to reach the dominant posteromedial temporal lesions. <i>Acta Neurochirurgica</i> , 2017, 159, 177-184.	1.7	12
48	Effects of insular resection on interactions between cardiac interoception and emotion recognition. <i>Cortex</i> , 2021, 137, 271-281.	2.4	12
49	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.	2.9	11
50	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.	4.9	10
51	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.	1.1	10
52	Preclinical evaluation of an O <sup>6</sup> -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.	0.0	10
53	Neurod4 converts endogenous neural stem cells to neurons with synaptic formation after spinal cord injury. <i>iScience</i> , 2021, 24, 102074.	4.1	9
54	Adoptive immunotherapy for the treatment of glioblastoma: progress and possibilities. <i>Immunotherapy</i> , 2016, 8, 1393-1404.	2.0	8

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55	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.	6.4	8
56	Mathematical Modeling and Mutational Analysis Reveal Optimal Therapy to Prevent Malignant Transformation in Grade II IDH-Mutant Gliomas. <i>Cancer Research</i> , 2021, 81, 4861-4873.	0.9	7
57	Long-term survival in patients with primary intracranial germ cell tumors treated with surgery, platinum-based chemotherapy, and radiotherapy: a single-institution study. <i>Journal of Neurosurgery</i> , 2020, , 1-9.	1.6	7
58	The Aftercare Survey: Assessment and intervention practices after brain tumor surgery in Europe. <i>Neuro-Oncology Practice</i> , 2022, 9, 328-337.	1.6	7
59	Supratotal Resection of Gliomas With Awake Brain Mapping: Maximal Tumor Resection Preserving Motor, Language, and Neurocognitive Functions. <i>Frontiers in Neurology</i> , 2022, 13, .	2.4	7
60	Rapid sensitive analysis of IDH1 mutation in lower-grade gliomas by automated genetic typing involving a quenching probe. <i>Cancer Investigation</i> , 2016, 34, 12-15.	1.3	6
61	Spontaneous Tumor Regression of Intracranial Solitary Fibrous Tumor Originating From the Medulla Oblongata: A Case Report and Literature Review. <i>World Neurosurgery</i> , 2019, 130, 400-404.	1.3	6
62	Reliability of IDH1-R132H and ATRX and/or p53 immunohistochemistry for molecular subclassification of Grade 2/3 gliomas. <i>Brain Tumor Pathology</i> , 2022, 39, 14-24.	1.7	6
63	Characterization of Intraoperative Motor Evoked Potential Monitoring for Surgery of the Pediatric Population with Brain Tumors. <i>World Neurosurgery</i> , 2018, 119, e1052-e1059.	1.3	5
64	Next Generation Sequencing-Based Transcriptome Predicts Bevacizumab Efficacy in Combination with Temozolomide in Glioblastoma. <i>Molecules</i> , 2019, 24, 3046.	3.8	5
65	Genetic analysis in patients with newly diagnosed glioblastomas treated with interferon-beta plus temozolomide in comparison with temozolomide alone. <i>Journal of Neuro-Oncology</i> , 2020, 148, 17-27.	2.9	5
66	Posterior Cerebral Artery Reconstruction by In-Situ Bypass with Superior Cerebellar Artery via Occipital Transtentorial Approach. <i>World Neurosurgery</i> , 2019, 126, 24-29.	1.3	4
67	Trautmann-focused mastoidectomy for a simple, safe presigmoid approach: technical note. <i>Journal of Neurosurgery</i> , 2021, 134, 843-847.	1.6	4
68	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, 209-211.	2.9	3
69	Intraoperative seizure outcome of levetiracetam combined with perampanel therapy in patients with glioma undergoing awake brain surgery. <i>Journal of Neurosurgery</i> , 2021, 135, 998-1007.	1.6	3
70	Prognostic model of lower grade gliomas.. <i>Journal of Clinical Oncology</i> , 2015, 33, 2038-2038.	1.6	1
71	Survival Benefit of Supratotal Resection in a Long-term Survivor of IDH-wildtype Glioblastoma: A Case Report and Literature Review. <i>NMC Case Report Journal</i> , 2021, 8, 747-753.	0.5	1
72	Glioma-Initiating Cells: Interferon Treatment. , 2012, , 99-106.		0

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73	Multiple metastases to the bone and bone marrow from a 1p/19q-codeleted and IDH2-mutant anaplastic oligodendroglioma: a case report and literature review. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa101.	0.7	0
74	Genetically-Engineered Neural Stem Cell Therapy for Spinal Cord Injury. <i>Spinal Surgery</i> , 2011, 25, 84-87.	0.0	0
75	Glioma-Initiating Cells: Interferon Treatment. , 2011, , 269-276.		0
76	The Basics of Glioma Surgery. <i>Japanese Journal of Neurosurgery</i> , 2012, 21, 937-942.	0.0	0
77	Abstract 2406: Intra-tumoral heterogeneity of PDGFRA / MET gain in WHO grade II diffuse astrocytomas.. , 2013, , .		0
78	Potential biomarkers for pseudoprogression in malignant glioma.. <i>Journal of Clinical Oncology</i> , 2013, 31, e13012-e13012.	1.6	0
79	Abstract 2229: Whole exome sequencing reveals the landscape of gene mutations and evolution in low-grade glioma. , 2014, , .		0
80	The landscape and clonal architecture in lower grade glioma.. <i>Journal of Clinical Oncology</i> , 2015, 33, 2008-2008.	1.6	0
81	Abstract 4751: Genetic subtype-specific prognostic significance of genetic alterations in lower-grade gliomas. , 2016, , .		0
82	Pathogenesis of Diffuse Low-Grade Gliomas. , 2017, , 111-117.		0
83	Awake Surgery for Brain Tumors to Preserve Motor, Language, and Neurocognitive Functions. <i>The Japanese Journal of Rehabilitation Medicine</i> , 2019, 56, 613-617.	0.0	0
84	Serum Concentration of Ropivacaine After Repeated Administration to Several Parts of the Head During Awake Craniotomy: A Prospective Cohort Study. <i>Frontiers in Medicine</i> , 2022, 9, .	2.6	0