

Toshihiko Kuroiwa

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

1,874
citations

279701

23
h-index

276775

41
g-index

94
all docs

94
docs citations

94
times ranked

2436
citing authors

#	ARTICLE	IF	CITATIONS
1	Serine/Threonine Kinase MLK4 Determines Mesenchymal Identity in Glioma Stem Cells in an NF- κ B-dependent Manner. <i>Cancer Cell</i> , 2016, 29, 201-213.	7.7	147
2	Development of a Fluorescein Operative Microscope for use During Malignant Glioma Surgery. <i>World Neurosurgery</i> , 1998, 50, 41-49.	1.3	141
3	The distribution of vascular endothelial growth factor-producing cells in clinical radiation necrosis of the brain: pathological consideration of their potential roles. <i>Journal of Neuro-Oncology</i> , 2011, 105, 423-431.	1.4	139
4	Modified boron neutron capture therapy for malignant gliomas performed using epithermal neutron and two boron compounds with different accumulation mechanisms: an efficacy study based on findings on neuroimages. <i>Journal of Neurosurgery</i> , 2005, 103, 1000-1009.	0.9	118
5	Delayed brain radiation necrosis: pathological review and new molecular targets for treatment. <i>Medical Molecular Morphology</i> , 2015, 48, 183-190.	0.4	72
6	Repeated treatments with bevacizumab for recurrent radiation necrosis in patients with malignant brain tumors: a report of 2 cases. <i>Journal of Neuro-Oncology</i> , 2011, 102, 471-475.	1.4	71
7	Diffuse Leptomeningeal Enhancement, "œlvy Sign," in Magnetic Resonance Images of Moyamoya Disease in Childhood. <i>Neurosurgery</i> , 1995, 37, 1009-1012.	0.6	68
8	BORON NEUTRON CAPTURE THERAPY FOR MALIGNANT TUMORS RELATED TO MENINGIOMAS. <i>Neurosurgery</i> , 2007, 61, 82-91.	0.6	67
9	Radiological diagnosis of brain radiation necrosis after cranial irradiation for brain tumor: a systematic review. <i>Radiation Oncology</i> , 2019, 14, 28.	1.2	61
10	Inflammation as well as angiogenesis may participate in the pathophysiology of brain radiation necrosis. <i>Journal of Radiation Research</i> , 2014, 55, 803-811.	0.8	54
11	Age-related variations in global spinal alignment and sagittal balance in asymptomatic Japanese adults. <i>Neurological Research</i> , 2017, 39, 414-418.	0.6	53
12	Evaluation of fluoride-labeled boronophenylalanine-PET imaging for the study of radiation effects in patients with glioblastomas. <i>Journal of Neuro-Oncology</i> , 2008, 89, 239-246.	1.4	51
13	Endoscopic identification and biopsy sampling of an intraventricular malignant glioma using a 5-aminolevulinic acid-induced protoporphyrin IX fluorescence imaging system. <i>Journal of Neurosurgery</i> , 2007, 106, 507-510.	0.9	49
14	Boron neutron capture therapy for recurrent high-grade meningiomas. <i>Journal of Neurosurgery</i> , 2013, 119, 837-844.	0.9	49
15	Critical Role of ABCG2 in ALA-Photodynamic Diagnosis and Therapy of Human Brain Tumor. <i>Advances in Cancer Research</i> , 2015, 125, 197-216.	1.9	39
16	Boron neutron capture therapy with bevacizumab may prolong the survival of recurrent malignant glioma patients: four cases. <i>Radiation Oncology</i> , 2014, 9, 6.	1.2	37
17	Determination of optical properties of human brain tumor tissues from 350 to 1000Ånm to investigate the cause of false negatives in fluorescence-guided resection with 5-aminolevulinic acid. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	37
18	Evaluation of a novel sodium borocaptate-containing unnatural amino acid as a boron delivery agent for neutron capture therapy of the F98 rat glioma. <i>Radiation Oncology</i> , 2017, 12, 26.	1.2	36

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19	A prospective, multicentre, single-arm clinical trial of bevacizumab for patients with surgically untreatable, symptomatic brain radiation necrosis. <i>Neuro-Oncology Practice</i> , 2016, 3, 272-280.	1.0	34
20	PD-L1 and PD-L2 expression in the tumor microenvironment including peritumoral tissue in primary central nervous system lymphoma. <i>BMC Cancer</i> , 2020, 20, 277.	1.1	34
21	Bevacizumab Treatment for Symptomatic Radiation Necrosis Diagnosed by Amino Acid PET. <i>Japanese Journal of Clinical Oncology</i> , 2013, 43, 337-341.	0.6	32
22	5-Aminolevulinic acid-mediated photodynamic therapy can target human glioma stem-like cells refractory to antineoplastic agents. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 24, 58-68.	1.3	27
23	Trigeminal Neuralgia Associated with a Primitive Trigeminal Artery Variant: Case Report. <i>Neurosurgery</i> , 2003, 52, 1217-1220.	0.6	25
24	A case of radiation-induced osteosarcoma treated effectively by boron neutron capture therapy. <i>Radiation Oncology</i> , 2014, 9, 237.	1.2	25
25	Usefulness of the Pipeline Embolic Device for Large and Giant Carotid Cavernous Aneurysms. <i>Neurointervention</i> , 2017, 12, 83-90.	0.5	24
26	Symptomatic Hypertrophic Pacchionian Granulation Mimicking Bone Tumor. <i>Neurosurgery</i> , 1996, 39, 860-861.	0.6	22
27	Freely Movable Armrest for Microneurosurgery: Technical Note. <i>Neurosurgery</i> , 2000, 46, 1259-1261.	0.6	22
28	Folate receptor-targeted novel boron compound for boron neutron capture therapy on F98 glioma-bearing rats. <i>Radiation and Environmental Biophysics</i> , 2019, 58, 59-67.	0.6	21
29	Boron Neutron Capture Therapy for High-Grade Skull-Base Meningioma. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2018, 79, S322-S327.	0.4	19
30	Intracerebral Hematoma Due to Ruptured Nontraumatic Middle Meningeal Artery Aneurysm. Case Report. <i>Neurologia Medico-Chirurgica</i> , 2001, 41, 611-614.	1.0	18
31	Innovations in Endovascular Treatment Strategies for Large Carotid Cavernous Aneurysms: The Safety and Efficacy of a Flow Diverter. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 1071-1080.	0.7	18
32	Immunotherapy of Nivolumab with Dendritic Cell Vaccination Is Effective against Intractable Recurrent Primary Central Nervous System Lymphoma: A Case Report. <i>Neurologia Medico-Chirurgica</i> , 2017, 57, 191-197.	1.0	18
33	Boron Neutron Capture Therapy Combined with Early Successive Bevacizumab Treatments for Recurrent Malignant Gliomas: A Pilot Study. <i>Neurologia Medico-Chirurgica</i> , 2018, 58, 487-494.	1.0	18
34	Malignant pilocytic astrocytoma in the medulla oblongata: case report. <i>Brain Tumor Pathology</i> , 1999, 16, 81-85.	1.1	17
35	Clinical Significance of Postoperative Changes in Redundant Nerve Roots After Decompressive Laminectomy for Lumbar Spinal Canal Stenosis. <i>World Neurosurgery</i> , 2014, 82, e825-e830.	0.7	17
36	Efficacy and safety of non-suture dural closure using a novel dural substitute consisting of polyglycolic acid felt and fibrin glue to prevent cerebrospinal fluid leakage: A non-controlled, open-label, multicenter clinical trial. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 69.	1.7	17

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37	Endovascular Treatment of Idiopathic Intracranial Hypertension with Stenting of the Transverse Sinus Stenosis. <i>Neurointervention</i> , 2018, 13, 138-143.	0.5	16
38	Intratumoral and peritumoral post-irradiation changes, but not viable tumor tissue, may respond to bevacizumab in previously irradiated meningiomas. <i>Radiation Oncology</i> , 2015, 10, 156.	1.2	15
39	Spinopelvic alignment and sagittal balance of asymptomatic adults with 6 lumbar vertebrae. <i>European Spine Journal</i> , 2016, 25, 3583-3588.	1.0	13
40	Assessment of safety of 5-aminolevulinic acid-mediated photodynamic therapy in rat brain. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 21, 367-374.	1.3	12
41	The Anti-Proliferative Effect of Boron Neutron Capture Therapy in a Prostate Cancer Xenograft Model. <i>PLoS ONE</i> , 2015, 10, e0136981.	1.1	12
42	A surgical loupe system for observing protoporphyrin IX fluorescence in high-grade gliomas after administering 5-aminolevulinic acid. <i>Photodiagnosis and Photodynamic Therapy</i> , 2013, 10, 379-381.	1.3	11
43	Transthyretin Concentrations in Acute Stroke Patients Predict Convalescent Rehabilitation. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 1375-1382.	0.7	11
44	Spectral Radiance of Protoporphyrin IX Fluorescence and Its Histopathological Implications in 5-Aminolevulinic Acid-Guided Surgery for Glioblastoma. <i>Photomedicine and Laser Surgery</i> , 2018, 36, 266-272.	2.1	9
45	Limit of intraoperative near-infrared spectroscopy monitoring during endovascular thrombectomy in acute ischemic stroke. <i>Interventional Neuroradiology</i> , 2018, 24, 57-63.	0.7	8
46	New Bipolar Diathermy Forceps with Automatic Dripping and Flushing "Technical Note". <i>Neurologia Medico-Chirurgica</i> , 1999, 39, 548-550.	1.0	6
47	Long-term therapeutic effects of vertebroplasty for painful vertebral compression fracture: a retrospective comparative study. <i>British Journal of Neurosurgery</i> , 2017, 31, 184-188.	0.4	6
48	Ruptured Aneurysm of the Anterior Inferior Cerebellar Artery-Internal Auditory Artery Junction : A Case Report. <i>Japanese Journal of Neurosurgery</i> , 2003, 12, 31-36.	0.0	6
49	Tied Pipeline: A Case of Rare Complication. <i>Neurologia Medico-Chirurgica</i> , 2018, 58, 219-224.	1.0	5
50	Skull Bone Regeneration Using Chitosan-Siloxane Porous Hybrids Long-Term Implantation. <i>Pharmaceutics</i> , 2018, 10, 70.	2.0	5
51	Extradural Extension of Primitive Neuroectodermal Tumor "Case Report". <i>Neurologia Medico-Chirurgica</i> , 1994, 34, 379-381.	1.0	4
52	Successful recanalization for internal carotid artery occlusion with persistent primitive trigeminal artery manifesting only as ischemia of the posterior circulation. <i>BMC Neurology</i> , 2016, 16, 41.	0.8	4
53	A Case of Large Broad-necked Aneurysm at the Posterior Communicating Artery Treated with T-stent Technique. <i>Journal of Neuroendovascular Therapy</i> , 2017, 11, 272-276.	0.1	4
54	Refractory Chronic Subdural Hematoma Associated with Dural Metastasis of Lung Adenocarcinoma Treated with Endovascular Embolization for the Middle Meningeal Artery: A Case Report and Review of the Literature. <i>World Neurosurgery</i> , 2020, 133, 256-259.	0.7	4

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55	Hemodynamics in an arterial union—simulation study on therapeutic unilateral vertebral artery occlusion. <i>Neurological Research</i> , 1996, 18, 564-566.	0.6	3
56	Cavernous Angioma Associated with Venous Angioma —Two Case Reports—. <i>Neurologia Medico-Chirurgica</i> , 1998, 38, 648-653.	1.0	3
57	Neurosurgical microscopic solid laser-based light inhibits photobleaching during fluorescence-guided brain tumor removal with 5-aminolevulinic acid. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 20, 120-124.	1.3	3
58	Other Hospital-onset Acute Ischemic Stroke Due to Large Vessel Occlusion Treated by Mechanical Thrombectomy after Inter-hospital Transfer. <i>Neurologia Medico-Chirurgica</i> , 2020, 60, 209-216.	1.0	3
59	Primary malignant lymphoma of the brain: analysis of MMAC1 (PTEN) tumor suppressor gene. <i>Brain Tumor Pathology</i> , 2001, 18, 139-143.	1.1	2
60	Flow Diverter for Large Carotid Cavernous Aneurysms. <i>Surgery for Cerebral Stroke</i> , 2018, 46, 50-57.	0.0	2
61	A Case of Posterior Fossa Neurenteric Cyst. <i>Japanese Journal of Neurosurgery</i> , 2003, 12, 617-622.	0.0	2
62	Frameless Stereotactic Biopsy with Intraoperative Computed Tomography "Assessment of Efficacy and Real Target Registration Error". <i>Neurologia Medico-Chirurgica</i> , 2022, 62, 195-202.	1.0	2
63	Exophytic Intraspinal Extension of Cerebellar Glioma —Case Report—. <i>Neurologia Medico-Chirurgica</i> , 1996, 36, 590-592.	1.0	1
64	Glioma Surgery using 5-ALA and Navigation System(SURGICAL TECHNIQUES and PERIOPERATIVE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.0	1
65	A Case of Coil Embolization with Retrograde Stenting for Ruptured Vertebral Artery Dissecting Aneurysm Ipsilateral to Brachiocephalic Artery Occlusion. <i>Journal of Neuroendovascular Therapy</i> , 2018, 12, 335-340.	0.1	1
66	A Patient with a Pseudoaneurysm of the Middle Meningeal Artery Who Developed Intracerebral Hemorrhage during Conservative Treatment for Traumatic Subarachnoid Hemorrhage. <i>Journal of Neuroendovascular Therapy</i> , 2019, 13, 299-306.	0.1	1
67	Thoracic Intramedullary Cavernoma with Recurrent Hemorrhage in the Short Interval. <i>Spinal Surgery</i> , 2003, 17, 239-244.	0.0	1
68	Intravenous Administration of Bevacizumab for the Treatment of Symptomatic Radiation Necrosis in the Brain with the Diagnosis based on Amino Acid PET—Advanced Therapy of Type B for NDA Approval—. <i>Japanese Journal of Neurosurgery</i> , 2015, 24, 399-406.	0.0	1
69	Usefulness of fast imaging employing steady-state acquisition magnetic resonance images for appropriate fenestration in a recurrent convexity arachnoid cyst. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2014, 1, 50-52.	0.2	0
70	A method for deciding the optimal anticoagulant infusion dose for blood—purification therapy. <i>Bio-Medical Materials and Engineering</i> , 2016, 27, 161-170.	0.4	0
71	ACTR-09. BORON NEUTRON CAPTURE THERAPY WITH THE COMBINATION OF SUCCESSIVE BEVACIZUMAB TREATMENTS FOR RECURRENT MALIGNANT GLIOMAS. <i>Neuro-Oncology</i> , 2017, 19, vi3-vi3.	0.6	0
72	Continuous Blood Glucose Monitoring May Detect Carotid Occlusion Intolerance during Carotid Artery Stenting. <i>Annals of Vascular Surgery</i> , 2018, 49, 91-98.	0.4	0

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73	RTHP-38. BNCT COMBINED WITH EARLY SUCCESSIVE BEVACIZUMAB TREATMENTS FOR RECURRENT MALIGNANT GLIOMAS. <i>Neuro-Oncology</i> , 2018, 20, vi233-vi233.	0.6	0
74	RTHP-39. SINGLE ARM, MULTI-CENTRIC PHASE II CLINICAL STUDY NAMED "BORON NEUTRON CAPTURE THERAPY AND TEMOZOLOMIDE IN TREATING PATIENTS WITH NEWLY DIAGNOSED GLIOBLASTOMA MULTIFORME". <i>Neuro-Oncology</i> , 2018, 20, vi233-vi233.	0.6	0
75	NI-04 WHICH RADIOLOGICAL IMAGING IS BEST TO DISCRIMINATE RADIATION NECROSIS FROM TUMOR PROGRESSION? - SUBANALYSIS OF SYSTEMATIC REVIEW FOR RADIOLOGICAL DIAGNOSIS OF RADIATION NECROSIS. <i>Neuro-Oncology Advances</i> , 2019, 1, ii26-ii26.	0.4	0
76	A case of congenital afibrinogenemia with intracranial hemorrhage. <i>Nosotchu</i> , 2020, 42, 171-175.	0.0	0
77	1. Fluorescence labeled surgery (M2-D Improvement in glioma surgery). <i>Japanese Journal of Neurosurgery</i> , 2004, 13, 325.	0.0	0
78	Recanalization Therapy using Hypothermia for Treatment of Internal Carotid Artery (ICA) Occlusion : A Case Report. <i>Japanese Journal of Neurosurgery</i> , 2006, 15, 138-143.	0.0	0
79	1. Photodynamic Diagnosis and Glioma Surgery(MS2-4 Therapeutic Standard of Malignant Brain) Tj ETQq1 1 0.784314 rgBT /Overlock 1 <i>Japanese Journal of Neurosurgery</i> , 2007, 16, 331.	0.0	0
80	Preparing Scalp Arteries for Childhood Moyamoya Disease Surgery using Subcutaneous Injections of Physiological Saline(SURGICAL TECHNIQUES and PERIOPERATIVE MANAGEMENT). <i>Japanese Journal of Neurosurgery</i> , 2008, 17, 475-478.	0.0	0
81	Intradural/subarachnoid Osteoma presented with Sudden-onset Headache followed by Intermittent Headache : A Case Report. <i>Japanese Journal of Neurosurgery</i> , 2011, 20, 922-926.	0.0	0
82	7E12 Quantification of 5-ALA induced porphyrin fluorescence using spectroradiometer. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2012, 2012.24, _7E12-1_-_7E12-2_.	0.0	0
83	Endovascular Closure of High Flow Arteriovenous Shunts in Intracranial AV Malformations. <i>Surgery for Cerebral Stroke</i> , 2014, 42, 238-242.	0.0	0
84	Transvenous Embolization for an Isolated Galenic Dural Arteriovenous Fistula Associated with Marfan Syndrome: A Case Report. <i>Surgery for Cerebral Stroke</i> , 2015, 43, 472-476.	0.0	0
85	Usefulness of Three-dimensional Stereoscopic Images for Cerebral Endovascular Treatment. <i>Journal of Neuroendovascular Therapy</i> , 2016, 10, 291-296.	0.1	0
86	Safety and Usefulness of Endovascular Treatment for Cerebral Unruptured Aneurysms in Elderly Patients: Efficacy of a Flow Diverter for Large Carotid Cavernous Aneurysms. <i>Surgery for Cerebral Stroke</i> , 2017, 45, 204-208.	0.0	0
87	Stent-assisted Coil Embolization Using a Low-profile Visualized Intraluminal Support Device: Characteristics and Outcomes of the Braided Stent. <i>Surgery for Cerebral Stroke</i> , 2019, 47, 179-184.	0.0	0
88	Intracerebral Hemorrhage after Endovascular Treatment of Unruptured Intracerebral Aneurysm: A Case Report and Review of the Literature. <i>Surgery for Cerebral Stroke</i> , 2020, 48, 129-133.	0.0	0
89	ML-07 High expression of PD-L1 on tumor-associated macrophage is a predictive factor for favorable prognosis in PCNSL. <i>Neuro-Oncology Advances</i> , 2020, 2, ii16-ii16.	0.4	0
90	Characteristic and Management of Symptomatic Septum Pellucidum Cyst in Extreme Elderly Patient: Case Report and Literature Review. <i>NMC Case Report Journal</i> , 2022, 9, 19-23.	0.2	0