

Alexander Zaboronok

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

555
citations

687220

13
h-index

752573

20
g-index

51
all docs

51
docs citations

51
times ranked

725
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced production of reactive oxygen species by gadolinium oxide nanoparticles under coreâ€‘inner-shell excitation by proton or monochromatic X-ray irradiation: implication of the contribution from the interatomic de-excitation-mediated nanoradiator effect to dose enhancement. <i>Radiation and Environmental Biophysics</i> , 2015, 54, 423-431.	0.6	35
2	Evaluation of a Novel Boron-Containing Î±-d-Mannopyranoside for BNCT. <i>Cells</i> , 2020, 9, 1277.	1.8	35
3	The status of Tsukuba BNCT trial: BPA-based boron neutron capture therapy combined with X-ray irradiation. <i>Applied Radiation and Isotopes</i> , 2011, 69, 1817-1818.	0.7	30
4	Radiobiological response of U251MG, CHO-K1 and V79 cell lines to accelerator-based boron neutron capture therapy. <i>Journal of Radiation Research</i> , 2018, 59, 101-107.	0.8	29
5	Photodynamic Diagnosis Using 5-aminolevulinic Acid in 41 Biopsies for Primary Central Nervous System Lymphoma. <i>Photochemistry and Photobiology</i> , 2015, 91, 1452-1457.	1.3	28
6	The optimization of fluorescence imaging of brain tumor tissue differentiated from brain edemaâ€‘In vivo kinetic study of 5-aminolevulinic acid and talaporfin sodium. <i>Photodiagnosis and Photodynamic Therapy</i> , 2009, 6, 19-27.	1.3	27
7	Accelerator-based boron neutron capture therapy for malignant glioma: a pilot neutron irradiation study using boron phenylalanine, sodium borocaptate and liposomal borocaptate with a heterotopic U87 glioblastoma model in SCID mice. <i>International Journal of Radiation Biology</i> , 2020, 96, 868-878.	1.0	24
8	Prognostic factors in glioblastoma multiforme patients receiving high-dose particle radiotherapy or conventional radiotherapy. <i>British Journal of Radiology</i> , 2011, 84, S54-S60.	1.0	21
9	Elevated diffusion anisotropy in gray matter and the degree of brain compression. <i>Journal of Neurosurgery</i> , 2012, 117, 363-371.	0.9	19
10	Boron neutron capture therapy for newly diagnosed glioblastoma: A pilot study in Tsukuba. <i>Applied Radiation and Isotopes</i> , 2009, 67, S25-S26.	0.7	17
11	Navigation-Guided Endoscopic Biopsy for Intraparenchymal Brain Tumor. <i>Neurologia Medico-Chirurgica</i> , 2011, 51, 694-700.	1.0	17
12	Acute Subdural Hematoma Without Subarachnoid Hemorrhage Caused by Ruptured A1-A2 Junction Aneurysm. <i>Neurologia Medico-Chirurgica</i> , 2012, 52, 430-434.	1.0	14
13	Polycomplexes of Hyaluronic Acid and Borates in a Solid State and Solution: Synthesis, Characterization and Perspectives of Application in Boron Neutron Capture Therapy. <i>Polymers</i> , 2018, 10, 181.	2.0	14
14	Proton magnetic resonance spectroscopy findings of hemangioblastoma. <i>Japanese Journal of Radiology</i> , 2010, 28, 318-321.	1.0	13
15	Random Skin Biopsies Before Brain Biopsy for Intravascular Large B-Cell Lymphoma. <i>World Neurosurgery</i> , 2019, 121, e364-e369.	0.7	13
16	Clinical Characteristics and Neuroimaging Findings in 12 Cases of Recurrent Glioblastoma With Communicating Hydrocephalus. <i>Neurologia Medico-Chirurgica</i> , 2013, 53, 474-481.	1.0	12
17	Abducent nerve palsy treated by microvascular decompression: a case report and review of the literature. <i>Acta Neurochirurgica</i> , 2015, 157, 1801-1805.	0.9	12
18	MRI reveals menstrually-related muscle edema that negatively affects athletic agility in young women. <i>PLoS ONE</i> , 2018, 13, e0191022.	1.1	12

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19	Proton beam irradiation stimulates migration and invasion of human U87 malignant glioma cells. <i>Journal of Radiation Research</i> , 2014, 55, 283-287.	0.8	11
20	Malignant transformation of pleomorphic xanthoastrocytoma and differential diagnosis: case report. <i>BMC Neurology</i> , 2020, 20, 21.	0.8	11
21	Polymer-Stabilized Elemental Boron Nanoparticles for Boron Neutron Capture Therapy: Initial Irradiation Experiments. <i>Pharmaceutics</i> , 2022, 14, 761.	2.0	11
22	Additive effect of BPA and Gd-DTPA for application in accelerator-based neutron source. <i>Applied Radiation and Isotopes</i> , 2015, 106, 247-250.	0.7	10
23	Risk of female athlete triad development in Japanese collegiate athletes is related to sport type and competitive level. <i>International Journal of Women's Health</i> , 2018, Volume 10, 671-687.	1.1	10
24	In Vivo Accelerator-Based Boron Neutron Capture Therapy for Spontaneous Tumors in Large Animals: Case Series. <i>Biology</i> , 2022, 11, 138.	1.3	10
25	Spinal Dural Arteriovenous Fistula With Lipomyelodysplasia. <i>Neurologia Medico-Chirurgica</i> , 2013, 53, 107-109.	1.0	9
26	Hyaluronic acid as a potential boron carrier for BNCT: Preliminary evaluation. <i>Applied Radiation and Isotopes</i> , 2015, 106, 181-184.	0.7	9
27	In Vitro and In Vivo Evaluation of Fluorescently Labeled Borocaptate-Containing Liposomes. <i>Journal of Fluorescence</i> , 2021, 31, 73-83.	1.3	9
28	A New Mechanism of Cerebrospinal Fluid Leakage after Lumboperitoneal Shunt: A Theory of Shunt Side Hole Case Report. <i>Neurologia Medico-Chirurgica</i> , 2014, 54, 572-577.	1.0	8
29	Gold Nanoparticles Permit In Situ Absorbed Dose Evaluation in Boron Neutron Capture Therapy for Malignant Tumors. <i>Pharmaceutics</i> , 2021, 13, 1490.	2.0	8
30	Size-Dependent Radiosensitization Effects of Gold Nanoparticles on Human U251 Malignant Glioma Cells. <i>Nanoscience and Nanotechnology Letters</i> , 2013, 5, 990-994.	0.4	8
31	A Novel Boron Lipid to Modify Liposomal Surfaces for Boron Neutron Capture Therapy. <i>Cells</i> , 2021, 10, 3421.	1.8	8
32	Navigation-guided endoscopic biopsy for pathological diagnosis for intraparenchymal pure germinoma near the ventricular trigone. , 2012, 3, 9.		7
33	Difference in BPA uptake between glioma stem-like cells and their cancerous cells. <i>Applied Radiation and Isotopes</i> , 2020, 164, 109234.	0.7	7
34	Feasibility of boron neutron capture therapy for malignant spinal tumors. <i>Applied Radiation and Isotopes</i> , 2009, 67, S43-S46.	0.7	6
35	Dose-Dependent Suppression of Human Glioblastoma Xenograft Growth by Accelerator-Based Boron Neutron Capture Therapy with Simultaneous Use of Two Boron-Containing Compounds. <i>Biology</i> , 2021, 10, 1124.	1.3	6
36	Intraparenchymal brain lesion biopsy guided by a rigid endoscope and navigation system. , 2015, 6, 149.		5

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37	Glioma Immunotherapy With Combined Autologous Tumor Cell and Endothelial Cell Vaccine In Vivo. <i>Neurologia Medico-Chirurgica</i> , 2012, 52, 194-201.	1.0	4
38	Atypical chronological changes on neuroimaging in the epidermoid in the frontal lobe with intracystic hemorrhage and tumor growth: Case report. <i>Radiology Case Reports</i> , 2018, 13, 1133-1136.	0.2	4
39	Packaging and Delivery of Asthma Therapeutics. <i>Pharmaceutics</i> , 2022, 14, 92.	2.0	4
40	Dual-port technique in navigation-guided endoscopic resection for intraparenchymal brain tumor. , 2012, 3, 35.		3
41	Intracellular uptake of a new boronated porphyrin EC032. <i>Applied Radiation and Isotopes</i> , 2009, 67, S94-S96.	0.7	2
42	Pretreatment with buthionine sulfoximine enhanced uptake and retention of BSH in brain tumor. <i>Applied Radiation and Isotopes</i> , 2014, 88, 86-88.	0.7	2
43	Transvenous Embolization of Dural Arteriovenous Fistula of the Anterior Condylar Confluence via the Intercavernous Sinus Assisted by Bone Subtraction Computed Tomography Angiography. <i>World Neurosurgery</i> , 2019, 126, 151-155.	0.7	2
44	Postoperative epileptic seizures after brain tumor surgery. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2020, 19, 100549.	0.2	2
45	Serum Creatine Kinase Increases after Acute Strength Training in College Athletes with Menstrual Irregularities. <i>Women</i> , 2021, 1, 71-79.	0.5	2
46	Primary meningeal myxoid liposarcoma with aggressive behavior after recurrence: case report. <i>Acta Neurochirurgica</i> , 2018, 160, 1557-1561.	0.9	2
47	Stroke Mimics and Accuracy of Referrals Made by Emergency Department Doctors in Japan for Patients with Suspected Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019, 28, 1078-1084.	0.7	1
48	Levetiracetam Versus Levetiracetam Plus Sodium Channel Blockers for Postoperative Epileptic Seizure Prevention in Brain Tumor Patients. <i>Cureus</i> , 2022, , .	0.2	1
49	High fibrin/fibrinogen degradation product value as a risk factor for progressive remote traumatic intracranial haemorrhage following neurosurgery. <i>British Journal of Neurosurgery</i> , 2021, 35, 749-752.	0.4	0
50	Response Of Muscle Damage Markers After Acute Heavy Exercise In Different Ovarian Hormone Secretion. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 350.	0.2	0