

Aleksandr Potapov

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

397
citations

11
h-index

16
g-index

85
ext. papers

571
ext. citations

1.7
avg, IF

3.04
L-index

#	Paper	IF	Citations
52	A novel direct spray-from-tissue ionization method for mass spectrometric analysis of human brain tumors. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 7797-805	4.4	33
51	Laser biospectroscopy and 5-ALA fluorescence navigation as a helpful tool in the meningioma resection. <i>Neurosurgical Review</i> , 2016 , 39, 437-47	3.9	31
50	Treatment of poorly differentiated glioma using a combination of monoclonal antibodies to extracellular connexin-43 fragment, temozolomide, and radiotherapy. <i>Bulletin of Experimental Biology and Medicine</i> , 2014 , 157, 510-5	0.8	27
49	The Role of 5-ALA in Low-Grade Gliomas and the Influence of Antiepileptic Drugs on Intraoperative Fluorescence. <i>Frontiers in Oncology</i> , 2019 , 9, 423	5.3	24
48	Analysis of expression of microRNAs and genes involved in the control of key signaling mechanisms that support or inhibit development of brain tumors of different grades. <i>Clinica Chimica Acta</i> , 2014 , 430, 55-62	6.2	20
47	Neuroimaging of Traumatic Brain Injury 2014 ,		15
46	Metrics for evaluating the stability and reproducibility of mass spectra. <i>Scientific Reports</i> , 2019 , 9, 914	4.9	14
45	Late diagnosis and removal of a large wooden foreign body in the cranio-orbital region. <i>Journal of Craniofacial Surgery</i> , 1996 , 7, 311-4	1.2	14
44	Unified representation of high- and low-resolution spectra to facilitate application of mass spectrometric techniques in clinical practice. <i>Clinical Mass Spectrometry</i> , 2019 , 12, 37-46	1.9	12
43	[Long association tracts of the human white matter: an analysis of 18 hemisphere dissections and in vivo HARDI-CSD tractography]. <i>Zhurnal Voprosy Neirokhirurgii Imeni N N Burdenko</i> , 2017 , 81, 13-25		12
42	[Guidelines for the diagnosis and treatment of severe traumatic brain injury. Part 2. Intensive care and neuromonitoring]. <i>Zhurnal Voprosy Neirokhirurgii Imeni N N Burdenko</i> , 2016 , 80, 98-106		11
41	Removal of a cranio-orbital foreign body by a supraorbital-pterion approach. <i>Journal of Craniofacial Surgery</i> , 1996 , 7, 224-7	1.2	10
40	[Clinical guidelines for the use of intraoperative fluorescence diagnosis in brain tumor surgery]. <i>Zhurnal Voprosy Neirokhirurgii Imeni N N Burdenko</i> , 2015 , 79, 91-101		10
39	Untangling the Metabolic Reprogramming in Brain Cancer: Discovering Key Molecular Players Using Mass Spectrometry. <i>Current Topics in Medicinal Chemistry</i> , 2019 , 19, 1521-1534	3	10
38	Effect of Irradiation on expression of tight and adherens junction protein mRNA on in vitro blood-brain barrier model. <i>Bulletin of Experimental Biology and Medicine</i> , 2014 , 158, 127-36	0.8	9
37	High-resolution mass spectra processing for the identification of different pathological tissue types of brain tumors. <i>European Journal of Mass Spectrometry</i> , 2017 , 23, 213-216	1.1	8
36	Capability of physically reasonable OCT-based differentiation between intact brain tissues, human brain gliomas of different WHO grades, and glioma model 101.8 from rats. <i>Biomedical Optics Express</i> , 2020 , 11, 6780-6798	3.5	6

35	[Guidelines for the management of severe head injury. Part 1. Neurotrauma system and neuroimaging]. <i>Zhurnal Voprosy Neurokhirurgii Imeni N N Burdenko</i> , 2015 , 79, 100-106		6
34	[A correlation between diffusion kurtosis imaging and the proliferative activity of brain glioma]. <i>Zhurnal Voprosy Neurokhirurgii Imeni N N Burdenko</i> , 2015 , 79, 5-14		6
33	[Guidelines for the management of severe traumatic brain injury. Part 3. Surgical management of severe traumatic brain injury (Options)]. <i>Zhurnal Voprosy Neurokhirurgii Imeni N N Burdenko</i> , 2016 , 80, 93-101		6
32	A spectroscopic method for simultaneous determination of protoporphyrin IX and hemoglobin in the nerve tissues at intraoperative diagnosis. <i>Russian Journal of General Chemistry</i> , 2015 , 85, 1549-1557	0.7	5
31	Feature selection algorithm for spray-from-tissue mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2017 , 23, 237-241	1.1	5
30	Profile of microRNA expression in brain tumors of different malignancy. <i>Bulletin of Experimental Biology and Medicine</i> , 2014 , 157, 794-7	0.8	5
29	[The structure of activation of the language zone in patients with intracerebral tumors according to fMRI with respect to tumor location and the functional asymmetry profile]. <i>Zhurnal Voprosy Neurokhirurgii Imeni N N Burdenko</i> , 2015 , 79, 60-68		5
28	[Diffusion tensor imaging tractography and intraoperative neurophysiological monitoring in surgery of intracranial tumors located near the pyramidal tract]. <i>Zhurnal Voprosy Neurokhirurgii Imeni N N Burdenko</i> , 2016 , 80, 5-18		5
27	[Navigation systems in neurosurgery]. <i>Zhurnal Voprosy Neurokhirurgii Imeni N N Burdenko</i> , 2016 , 80, 107-114		5
26	Endoscopic fluorescence visualization of 5-ALA photosensitized central nervous system tumors in the neural tissue transparency spectral range. <i>Photonics & Lasers in Medicine</i> , 2014 , 3,		4
25	Expression of VEGF, GFAP, and BDNF genes in the brain of rats after fractionated irradiation according to different protocols. <i>Bulletin of Experimental Biology and Medicine</i> , 2014 , 157, 501-5	0.8	3
24	[Cellular and molecular mechanisms of radiation-induced brain injury: can peripheral markers be detected?]. <i>Zhurnal Voprosy Neurokhirurgii Imeni N N Burdenko</i> , 2015 , 79, 90-96		3
23	APPLICATION OF DEVICES FOR SPACE-RESOLVED SPECTROSCOPY ON THE EXAMPLE OF TWO-LAYER PHANTOMS CONTAINING METALLIC NANOPARTICLES. <i>Biomedical Photonics</i> , 2018 , 7, 4-12	0.6	3
22	[Glioblastoma metastases: a literature review and a description of six clinical observations]. <i>Zhurnal Voprosy Neurokhirurgii Imeni N N Burdenko</i> , 2015 , 79, 33-43		3
21	Vector nanosystems for drug delivery to target cells. <i>Herald of the Russian Academy of Sciences</i> , 2016 , 86, 164-168	0.7	2
20	Great Hospitals of the Russian Federation: National Medical Research Center for Neurosurgery Named After N. N. Burdenko: History and Contemporaneity. <i>World Neurosurgery</i> , 2018 , 120, 100-111	2.1	2
19	Identification of Central Nervous System Proteins in Human Blood Serum and Plasma. <i>Bulletin of Experimental Biology and Medicine</i> , 2015 , 160, 35-9	0.8	1
18	Multi-label classification of brain tumor mass spectrometry data In pursuit of tumor boundary detection method 2017 ,		1

17	EEG Effects of Therapeutic Electric Stimulation of the Human Brain in the Posttraumatic Unconscious State. <i>Human Physiology</i> , 2001 , 27, 155-164	0.3	1
16	3D pseudo-continuous arterial spin labeling-MRI (3D PCASL-MRI) in the differential diagnosis between glioblastomas and primary central nervous system lymphomas.. <i>Neuroradiology</i> , 2022 , 1	3.2	1
15	Cluster analysis of the results of intraoperative optical spectroscopic diagnostics In brain glioma neurosurgery. <i>Biomedical Photonics</i> , 2019 , 7, 23-34	0.6	1
14	Neuroimaging Classification of Traumatic Brain Injury 2014 , 35-67		1
13	[PrEmonitoring based decision-making about decompressive craniectomy in a patient with severe traumatic brain injury. A case report]. <i>Zhurnal Voprosy Neurokhirurgii Imeni N N Burdenko</i> , 2015 , 79, 92-99		1
12	[Blood-brain barrier permeability in healthy rats and rats with experimental C6 glioma after fractionated radiotherapy of the brain]. <i>Zhurnal Voprosy Neurokhirurgii Imeni N N Burdenko</i> , 2015 , 79, 15-26		1
11	[Penetrating head and brain injuries with nonmetal foreign bodies]. <i>Zhurnal Voprosy Neurokhirurgii Imeni N N Burdenko</i> , 2014 , 78, 101-106		1
10	Comparison of Dimensionality Reduction Methods in Mass Spectra of Astrocytoma and Glioblastoma Tissues. <i>Mass Spectrometry</i> , 2021 , 10, A0094	1.7	1
9	The Role of Lipids in the Classification of Astrocytoma and Glioblastoma Using Mass Spectrometry Tumor Profiling. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2021 , 15, 153-160	0.4	1
8	Novel Photomedicine. <i>International Journal of Photoenergy</i> , 2014 , 2014, 1-2	2.1	
7	Applying cerebral hypothermia and brain oxygen monitoring in treating severe traumatic brain injury: a preliminary study. <i>World Neurosurgery</i> , 2010 , 74, 259-60	2.1	
6	Therapeutic hypothermia for out-of-hospital cardiac arrest: an update for neurosurgeons. <i>World Neurosurgery</i> , 2010 , 74, 102	2.1	
5	Fresh frozen plasma transfusion in the acute period of isolated traumatic brain injury. <i>Messenger of Anesthesiology and Resuscitation</i> , 2020 , 17, 40-46	0.4	
4	BOLD FMRI MAPPING OF ELOQUENT CORTICAL AREAS IN PATIENTS WITH BRAIN TUMOR USING INDEPENDENT PHYSIOLOGICAL PARAMETERS. <i>Diagnostic Radiology and Radiotherapy</i> , 2020 , 11, 25-37	0.4	
3	[The current state of the brain-computer interface problem]. <i>Zhurnal Voprosy Neurokhirurgii Imeni N N Burdenko</i> , 2015 , 79, 97-104		
2	[Modern molecular approaches to diagnosis and treatment of high-grade brain gliomas]. <i>Zhurnal Voprosy Neurokhirurgii Imeni N N Burdenko</i> , 2014 , 78, 85-100		
1	Diffusion-tensor and Diffusion-kurtosis Magnetic Resonance Imaging in the Assessment of Diffuse Axonal Injury (Literature Review). <i>Radiologiya i Praktika</i> , 2022 , 77-90		