Aleksandr Potapov

List of Publications by Year in Descending Order

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	3D pseudo-continuous arterial spin labeling-MRI (3D PCASL-MRI) in the differential diagnosis between glioblastomas and primary central nervous system lymphomas.. *Neuroradiology*, **2022**, 1	3.2	1
51	Diffusion-tensor and Diffusion-kurtosis Magnetic Resonance Imaging in the Assessment of Diffuse Axonal Injury (Literature Review). *Radiologiia-Praktika*, **2022**, 77-90		
50	Comparison of Dimensionality Reduction Methods in Mass Spectra of Astrocytoma and Glioblastoma Tissues. *Mass Spectrometry*, **2021**, 10, A0094	1.7	1
49	The Role of Lipids in the Classification of Astrocytoma and Glioblastoma Using Mass Spectrometry Tumor Profiling. *Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry*, **2021**, 15, 153-160	0.4	1
48	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. *Biomedical Optics Express*, **2020**, 11, 6780-6798	3.5	6
47	Fresh frozen plasma transfusion in the acute period of isolated traumatic brain injury. *Messenger of Anesthesiology and Resuscitation*, **2020**, 17, 40-46	0.4	
46	BOLD FMRI MAPPING OF ELOQUENT CORTICAL AREAS IN PATIENTS WITH BRAIN TUMOR USING INDEPENDENT PHYSIOLOGICAL PARAMETERS. *Diagnostic Radiology and Radiotherapy*, **2020**, 11, 25-37	0.4	
45	Metrics for evaluating the stability and reproducibility of mass spectra. *Scientific Reports*, **2019**, 9, 914	4.9	14
44	Unified representation of high- and low-resolution spectra to facilitate application of mass spectrometric techniques in clinical practice. *Clinical Mass Spectrometry*, **2019**, 12, 37-46	1.9	12
43	The Role of 5-ALA in Low-Grade Gliomas and the Influence of Antiepileptic Drugs on Intraoperative Fluorescence. *Frontiers in Oncology*, **2019**, 9, 423	5.3	24
42	Untangling the Metabolic Reprogramming in Brain Cancer: Discovering Key Molecular Players Using Mass Spectrometry. *Current Topics in Medicinal Chemistry*, **2019**, 19, 1521-1534	3	10
41	Cluster analysis of the results of intraoperative optical spectroscopic diagnostics In brain glioma neurosurgery. *Biomedical Photonics*, **2019**, 7, 23-34	0.6	1
40	APPLICATION OF DEVICES FOR SPACE-RESOLVED SPECTROSCOPY ON THE EXAMPLE OF TWO-LAYER PHANTOMS CONTAINING METALLIC NANOPARTICLES. *Biomedical Photonics*, **2018**, 7, 4-12	0.6	3
39	Great Hospitals of the Russian Federation: National Medical Research Center for Neurosurgery Named After N. N. Burdenko: History and Contemporaneity. *World Neurosurgery*, **2018**, 120, 100-111	2.1	2
38	Feature selection algorithm for spray-from-tissue mass spectrometry. *European Journal of Mass Spectrometry*, **2017**, 23, 237-241	1.1	5
37	Multi-label classification of brain tumor mass spectrometry data In pursuit of tumor boundary detection method **2017**,		1
36	High-resolution mass spectra processing for the identification of different pathological tissue types of brain tumors. *European Journal of Mass Spectrometry*, **2017**, 23, 213-216	1.1	8

35	[Long association tracts of the human white matter: an analysis of 18 hemisphere dissections and in vivo HARDI-CSD tractography]. *Zhurnal Voprosy Nejrokhirurgii Imeni N N Burdenko*, **2017**, 81, 13-25		12
34	Vector nanosystems for drug delivery to target cells. *Herald of the Russian Academy of Sciences*, **2016**, 86, 164-168	0.7	2
33	Laser biospectroscopy and 5-ALA fluorescence navigation as a helpful tool in the meningioma resection. *Neurosurgical Review*, **2016**, 39, 437-47	3.9	31
32	[Diffusion tensor imaging tractography and intraoperative neurophysiological monitoring in surgery of intracranial tumors located near the pyramidal tract]. *Zhurnal Voprosy Nejrokhirurgii Imeni N N Burdenko*, **2016**, 80, 5-18		5
31	[Guidelines for the diagnosis and treatment of severe traumatic brain injury. Part 2. Intensive care and neuromonitoring]. *Zhurnal Voprosy Nejrokhirurgii Imeni N N Burdenko*, **2016**, 80, 98-106		11
30	[Guidelines for the management of severe traumatic brain injury. Part 3. Surgical management of severe traumatic brain injury (Options)]. *Zhurnal Voprosy Nejrokhirurgii Imeni N N Burdenko*, **2016**, 80, 93-101		6
29	[Navigation systems in neurosurgery]. *Zhurnal Voprosy Nejrokhirurgii Imeni N N Burdenko*, **2016**, 80, 107-114		5
28	A spectroscopic method for simultaneous determination of protoporphyrin IX and hemoglobin in the nerve tissues at intraoperative diagnosis. *Russian Journal of General Chemistry*, **2015**, 85, 1549-1557	0.7	5
27	A novel direct spray-from-tissue ionization method for mass spectrometric analysis of human brain tumors. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 7797-805	4.4	33
26	Identification of Central Nervous System Proteins in Human Blood Serum and Plasma. *Bulletin of Experimental Biology and Medicine*, **2015**, 160, 35-9	0.8	1
25	[Cellular and molecular mechanisms of radiation-induced brain injury: can peripheral markers be detected?]. *Zhurnal Voprosy Nejrokhirurgii Imeni N N Burdenko*, **2015**, 79, 90-96		3
24	[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]. *Zhurnal Voprosy Nejrokhirurgii Imeni N N Burdenko*, **2015**, 79, 60-68		5
23	[Clinical guidelines for the use of intraoperative fluorescence diagnosis in brain tumor surgery]. *Zhurnal Voprosy Nejrokhirurgii Imeni N N Burdenko*, **2015**, 79, 91-101		10
22	[Guidelines for the management of severe head injury. Part 1. Neurotrauma system and neuroimaging]. *Zhurnal Voprosy Nejrokhirurgii Imeni N N Burdenko*, **2015**, 79, 100-106		6
21	[A correlation between diffusion kurtosis imaging and the proliferative activity of brain glioma]. *Zhurnal Voprosy Nejrokhirurgii Imeni N N Burdenko*, **2015**, 79, 5-14		6
20	[Pr□monitoring based decision-making about decompressive craniectomy in a patient with severe traumatic brain injury. A case report]. *Zhurnal Voprosy Nejrokhirurgii Imeni N N Burdenko*, **2015**, 79, 92-99		1
19	[The current state of the brain-computer interface problem]. *Zhurnal Voprosy Nejrokhirurgii Imeni N N Burdenko*, **2015**, 79, 97-104		
18	[Blood-brain barrier permeability in healthy rats and rats with experimental C6 glioma after fractionated radiotherapy of the brain]. *Zhurnal Voprosy Nejrokhirurgii Imeni N N Burdenko*, **2015**, 79, 15-26		1

17	[Glioblastoma metastases: a literature review and a description of six clinical observations]. *Zhurnal Voprosy Nejrokhirurgii Imeni N N Burdenko*, **2015**, 79, 33-43		3
16	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. *Clinica Chimica Acta*, **2014**, 430, 55-62	6.2	20
15	Expression of VEGF, GFAP, and BDNF genes in the brain of rats after fractionated Irradiation according to different protocols. *Bulletin of Experimental Biology and Medicine*, **2014**, 157, 501-5	0.8	3
14	Treatment of poorly differentiated glioma using a combination of monoclonal antibodies to extracellular connexin-43 fragment, temozolomide, and radiotherapy. *Bulletin of Experimental Biology and Medicine*, **2014**, 157, 510-5	0.8	27
13	Neuroimaging of Traumatic Brain Injury **2014**,		15
12	Novel Photomedicine. *International Journal of Photoenergy*, **2014**, 2014, 1-2	2.1	
11	Profile of microRNA expression in brain tumors of different malignancy. *Bulletin of Experimental Biology and Medicine*, **2014**, 157, 794-7	0.8	5
10	Endoscopic fluorescence visualization of 5-ALA photosensitized central nervous system tumors in the neural tissue transparency spectral range. *Photonics & Lasers in Medicine*, **2014**, 3,		4
9	Effect of Irradiation on expression of tight and adherens junction protein mRNA on in vitro blood-brain barrier model. *Bulletin of Experimental Biology and Medicine*, **2014**, 158, 127-36	0.8	9
8	Neuroimaging Classification of Traumatic Brain Injury **2014**, 35-67		1
7	[Penetrating head and brain injuries with nonmetal foreign bodies]. *Zhurnal Voprosy Nejrokhirurgii Imeni N N Burdenko*, **2014**, 78, 101-106		1
6	[Modern molecular approaches to diagnosis and treatment of high-grade brain gliomas]. *Zhurnal Voprosy Nejrokhirurgii Imeni N N Burdenko*, **2014**, 78, 85-100		
5	Applying cerebral hypothermia and brain oxygen monitoring in treating severe traumatic brain injury: a preliminary study. *World Neurosurgery*, **2010**, 74, 259-60	2.1	
4	Therapeutic hypothermia for out-of-hospital cardiac arrest: an update for neurosurgeons. *World Neurosurgery*, **2010**, 74, 102	2.1	
3	EEG Effects of Therapeutic Electric Stimulation of the Human Brain in the Posttraumatic Unconscious State. *Human Physiology*, **2001**, 27, 155-164	0.3	1
2	Removal of a cranio-orbital foreign body by a supraorbital-pterion approach. *Journal of Craniofacial Surgery*, **1996**, 7, 224-7	1.2	10
1	Late diagnosis and removal of a large wooden foreign body in the cranio-orbital region. *Journal of Craniofacial Surgery*, **1996**, 7, 311-4	1.2	14