

# Mikhail V Gulyaev

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

515  
citations

777949

13  
h-index

799663

21  
g-index

55  
all docs

55  
docs citations

55  
times ranked

865  
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging Capabilities of the $^1\text{H}$ -X-Nucleus Metamaterial-Inspired Multinuclear RF-Coil. IEEE Transactions on Medical Imaging, 2022, 41, 1587-1595.	5.4	2
2	Advances in magnetic resonance tomography. , 2022, , 107-152.		0
3	Synergetic Enhancement of Tumor Double-Targeted MRI Nano-Probe. International Journal of Molecular Sciences, 2022, 23, 3119.	1.8	3
4	Sex-Dependent Protective Effect of Combined Application of Solubilized Ubiquinol and Selenium on Monocrotaline-Induced Pulmonary Hypertension in Wistar Rats. Antioxidants, 2022, 11, 549.	2.2	5
5	Design and first implementation of wireless square-shaped transmission line resonators in $^1\text{H}$ MRI for small animal studies. Journal of Magnetic Resonance, 2022, 339, 107216.	1.2	0
6	Urokinase-Type Plasminogen Activator Enhances the Neuroprotective Activity of Brain-Derived Neurotrophic Factor in a Model of Intracerebral Hemorrhage. Biomedicines, 2022, 10, 1346.	1.4	2
7	Methods for detection of brain injury after photothrombosis-induced ischemia in mice: Characteristics and new aspects of their application. Journal of Neuroscience Methods, 2020, 329, 108457.	1.3	7
8	New Aspects of Biodistribution of Perfluorocarbon Emulsions in Rats: Thymus Imaging. Applied Magnetic Resonance, 2020, 51, 1625-1635.	0.6	5
9	Intravenous Administration of Coenzyme Q10 in Acute Period of Cerebral Ischemia Decreases Mortality by Reducing Brain Necrosis and Limiting Its Increase within 4 Days in Rat Stroke Model. Antioxidants, 2020, 9, 1240.	2.2	12
10	The Delayed Neuroprotective Effect of Methylene Blue in Experimental Rat Brain Trauma. Antioxidants, 2020, 9, 377.	2.2	2
11	New PAR1 Agonist Peptide Demonstrates Protective Action in a Mouse Model of Photothrombosis-Induced Brain Ischemia. Frontiers in Neuroscience, 2020, 14, 335.	1.4	1
12	$^{19}\text{F}$ MRI of human lungs at 0.5 Tesla using octafluorocyclobutane. Magnetic Resonance in Medicine, 2020, 84, 2117-2123.	1.9	16
13	Cortical Glutamate/GABA Imbalance after Combined Radiation Exposure: Relevance to Human Deep-Space Missions. Neuroscience, 2019, 416, 295-308.	1.1	16
14	Application of copper plates for frequency tuning of surface wired and wireless MRI coils. Journal of Magnetic Resonance, 2019, 309, 106626.	1.2	3
15	Computation of the resonance frequencies of the transmission line resonators used in MRI. Magnetic Resonance Imaging, 2019, 61, 167-174.	1.0	3
16	Silicon Nanoparticles Prepared by Plasma-Assisted Ablative Synthesis: Physical Properties and Potential Biomedical Applications. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800897.	0.8	9
17	Realization of $^{19}\text{F}$ MRI oximetry method using perfluorodecalin. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 307-315.	1.1	4
18	The Use of Strong Inductively Coupled Wireless Surface Coil and Transmit/Receive Volume Coil for $^1\text{H}/^{19}\text{F}$ MRI. Applied Magnetic Resonance, 2019, 50, 403-413.	0.6	1

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19	Visualization of Digestion Process Using 19F MRI. <i>Applied Magnetic Resonance</i> , 2018, 49, 71-75.	0.6	2
20	Small animal, whole body imaging with metamaterial inspired RF coil. <i>NMR in Biomedicine</i> , 2018, 31, e3952.	1.6	16
21	Magnetic Resonance Imaging on Sodium Nuclei: Potential Medical Applications of 23Na MRI. <i>Applied Magnetic Resonance</i> , 2018, 49, 925-957.	0.6	5
22	Neuroprotective Effects of Mitochondria-Targeted Plastoquinone in a Rat Model of Neonatal Hypoxic-Ischemic Brain Injury. <i>Molecules</i> , 2018, 23, 1871.	1.7	35
23	Neuroprotective and anti-amnesic effects of a combination therapy in a model of photochemical ischemic damage in the prefrontal cortex. <i>Patologicheskaya Fiziologiya i Eksperimental'naya Terapiya</i> , 2018, , 39-45.	0.1	1
24	Effect of anesthetics on efficiency of remote ischemic preconditioning. <i>Biochemistry (Moscow)</i> , 2017, 82, 1006-1016.	0.7	12
25	The Influence of Proinflammatory Factors on the Neuroprotective Efficiency of Multipotent Mesenchymal Stromal Cells in Traumatic Brain Injury. <i>Bulletin of Experimental Biology and Medicine</i> , 2017, 163, 528-534.	0.3	4
26	Optimization of MRI parameters for the gradient echo method in fluorocarbon research. <i>Physics of Wave Phenomena</i> , 2017, 25, 140-146.	0.3	1
27	A Facile Method of Preparation of Polymer-Stabilized Perfluorocarbon Nanoparticles with Enhanced Contrast for Molecular Magnetic Resonance Imaging. <i>BioNanoScience</i> , 2017, 7, 456-463.	1.5	10
28	Multinuclear magnetic resonance imaging in biomedical experiments. <i>Journal of Physics: Conference Series</i> , 2017, 886, 012006.	0.3	4
29	Changes in number of neurons, astrocytes and microglia in brain after ischemic stroke assessed by immunohistochemistry and immunoblotting. <i>Cell and Tissue Biology</i> , 2016, 10, 445-452.	0.2	2
30	Relationship between Morphofunctional Changes in Open Traumatic Brain Injury and the Severity of Brain Damage in Rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2016, 161, 419-424.	0.3	1
31	The Use of Technetium-99m for Intravital Tracing of Transplanted Multipotent Stromal Cells. <i>Bulletin of Experimental Biology and Medicine</i> , 2016, 162, 153-159.	0.3	6
32	Mitochondria as a target for neuroprotection. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2016, 10, 28-36.	0.3	2
33	The registration of signals from the nuclei other than protons at 0.5 T MRI scanner. <i>Journal of Physics: Conference Series</i> , 2016, 677, 012005.	0.3	5
34	Sensitivity of magnetic resonance imaging based on the detection of 19F NMR signals. <i>Mendeleev Communications</i> , 2016, 26, 24-25.	0.6	4
35	Protection of Neurovascular Unit Cells with Lithium Chloride and Sodium Valproate Prevents Brain Damage in Neonatal Ischemia/Hypoxia. <i>Bulletin of Experimental Biology and Medicine</i> , 2016, 160, 313-318.	0.3	10

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37	Structural alterations in the rat brain and behavioral impairment after status epilepticus: An MRI study. <i>Neuroscience</i> , 2016, 315, 79-90.	1.1	21
38	Fetal valproate syndrome as an experimental model of autism. <i>Moscow University Biological Sciences Bulletin</i> , 2015, 70, 110-114.	0.1	4
39	Porous silicon nanoparticles as biocompatible contrast agents for magnetic resonance imaging. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	52
40	Neuroprotective Effects of Mitochondria-Targeted Plastoquinone and Thymoquinone in a Rat Model of Brain Ischemia/Reperfusion Injury. <i>Molecules</i> , 2015, 20, 14487-14503.	1.7	46
41	Investigation of the distribution of heavy nuclei in laboratory animals using multinuclear magnetic resonance imaging. <i>Physics of Wave Phenomena</i> , 2015, 23, 311-315.	0.3	4
42	Control of the radiofrequency field in fluorine ( <sup>19</sup> F) magnetic resonance imaging. <i>Physics of Wave Phenomena</i> , 2015, 23, 304-310.	0.3	2
43	Study of phthalocyanine derivatives as contrast agents for magnetic resonance imaging. <i>Russian Journal of General Chemistry</i> , 2015, 85, 333-337.	0.3	5
44	Magnetic resonance spectroscopy of the ischemic brain under lithium treatment. Link to mitochondrial disorders under stroke. <i>Chemico-Biological Interactions</i> , 2015, 237, 175-182.	1.7	23
45	Ginseng extract attenuates early MRI changes after status epilepticus and decreases subsequent reduction of hippocampal volume in the rat brain. <i>Epilepsy Research</i> , 2014, 108, 223-231.	0.8	16
46	Assessment of Long-Term Sensorimotor Deficit after Cerebral Ischemia/Hypoxia in Neonatal Rats. <i>Neuroscience and Behavioral Physiology</i> , 2014, 44, 879-887.	0.2	2
47	Effects of Activated Protein C on the Size of Modeled Ischemic Focus and Morphometric Parameters of Neurons and Neuroglia in Its Perifocal Zone. <i>Bulletin of Experimental Biology and Medicine</i> , 2014, 157, 530-534.	0.3	0
48	A short-chain alkyl derivative of Rhodamine 19 acts as a mild uncoupler of mitochondria and a neuroprotector. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1739-1747.	0.5	34
49	Neuroprotective effect of glutamate-substituted analog of gramicidin A is mediated by the uncoupling of mitochondria. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 3434-3442.	1.1	24
50	Magneto-hydrodynamic Thermochemotherapy and MRI of Malignant Tumorigenesis. <i>Solid State Phenomena</i> , 2012, 190, 717-720.	0.3	3
51	Neuroimaging of structural changes in brain of adult rats after febrile seizures at early postnatal age. <i>International Journal of Psychophysiology</i> , 2012, 85, 374.	0.5	0
52	Antitumor Effects of Monoclonal Antibodies to Connexin 43 Extracellular Fragment in Induced Low-Differentiated Glioma. <i>Bulletin of Experimental Biology and Medicine</i> , 2012, 153, 163-169.	0.3	13
53	Targeted delivery of liposomal nanocontainers to the peritumoral zone of glioma by means of monoclonal antibodies against CFAP and the extracellular loop of Cx43. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 63-70.	1.7	51
54	MRI-Adaptive Magneto-Thermo-Chemotherapy for Improved Cancer Treatment. , 2010, , .		1