

# Alexandru Korotcov

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

761  
citations

623734

14  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1154  
citing authors

#	ARTICLE	IF	CITATIONS
1	Meningeal and Visual Pathway Magnetic Resonance Imaging Analysis after Single and Repetitive Closed-Head Impact Model of Engineered Rotational Acceleration (CHIMERA)-Induced Disruption in Male and Female Mice. <i>Journal of Neurotrauma</i> , 2022, 39, 784-799.	3.4	3
2	Genetic inactivation of SARM1 axon degeneration pathway improves outcome trajectory after experimental traumatic brain injury based on pathological, radiological, and functional measures. <i>Acta Neuropathologica Communications</i> , 2021, 9, 89.	5.2	23
3	Translatonally Relevant Magnetic Resonance Imaging Markers in a Ferret Model of Closed Head Injury. <i>Frontiers in Neuroscience</i> , 2021, 15, 779533.	2.8	2
4	Graph Convolutional Neural Networks as "General-Purpose" Property Predictors: The Universality and Limits of Applicability. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 22-28.	5.4	60
5	Investigation of the effect of dietary intake of omega-3 polyunsaturated fatty acids on trauma-induced white matter injury with quantitative diffusion MRI in mice. <i>Journal of Neuroscience Research</i> , 2020, 98, 2232-2244.	2.9	3
6	Transplantation of induced neural stem cells (iNSCs) into chronically demyelinated corpus callosum ameliorates motor deficits. <i>Acta Neuropathologica Communications</i> , 2020, 8, 84.	5.2	21
7	Subcutaneous Administration of Angiotensin-(1-7) Improves Recovery after Traumatic Brain Injury in Mice. <i>Journal of Neurotrauma</i> , 2019, 36, 3115-3131.	3.4	26
8	Neuronal and vascular deficits following chronic adaptation to high altitude. <i>Experimental Neurology</i> , 2019, 311, 293-304.	4.1	20
9	Comparing and Validating Machine Learning Models for <i>Mycobacterium tuberculosis</i> Drug Discovery. <i>Molecular Pharmaceutics</i> , 2018, 15, 4346-4360.	4.6	83
10	Comparison of Deep Learning With Multiple Machine Learning Methods and Metrics Using Diverse Drug Discovery Data Sets. <i>Molecular Pharmaceutics</i> , 2017, 14, 4462-4475.	4.6	249
11	Non-Invasive MRI and Spectroscopy of mdx Mice Reveal Temporal Changes in Dystrophic Muscle Imaging and in Energy Deficits. <i>PLoS ONE</i> , 2014, 9, e112477.	2.5	26
12	A Nanocomplex System as Targeted Contrast Agent Delivery Vehicle for Magnetic Resonance Imaging Dynamic Contrast Enhancement Study. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 7545-7549.	0.9	4
13	Well-Aligned $\text{IrO}_2$ Nanorods Encapsulated in Poly(vinylidene fluoride) Nanotubes for Supercapacitor Applications. <i>Journal of Nanomaterials</i> , 2007, 2007, 1-17.	2.7	27
14	Structures and Electrochemical Capacitive Properties of $\text{RuO}_2$ Vertical Nanorods Encased in Hydrous $\text{RuO}_2$ . <i>Journal of Physical Chemistry C</i> , 2007, 111, 9530-9537.	3.1	84
15	Effect of length, spacing and morphology of vertically aligned $\text{RuO}_2$ nanostructures on field-emission properties. <i>Nanotechnology</i> , 2006, 17, 3149-3153.	2.6	19
16	Selective growth of $\text{IrO}_2$ nanorods using metalorganic chemical vapor deposition. <i>Journal of Materials Chemistry</i> , 2006, 16, 780-786.	6.7	23
17	Growth and Characterization of Well-Aligned $\text{RuO}_2$ Nanocrystals on Oxide Substrates via Reactive Sputtering. <i>Crystal Growth and Design</i> , 2006, 6, 2501-2506.	3.0	22
18	Raman scattering characterization of well-aligned $\text{IrO}_2$ nanocrystals grown on sapphire substrates via reactive sputtering. <i>Journal of Raman Spectroscopy</i> , 2006, 37, 1411-1415.	2.5	10

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19	Growth and characterization of well aligned densely packed IrO <sub>2</sub> nanocrystals on sapphire via reactive sputtering. Journal of Physics Condensed Matter, 2006, 18, 1121-1136.	1.8	16
20	One-dimensional conductive IrO <sub>2</sub> nanocrystals. Nanotechnology, 2006, 17, R67-R87.	2.6	59