

Krisztián Szigeti

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

831
citations

567281

15
h-index

526287

27
g-index

35
all docs

35
docs citations

35
times ranked

1577
citing authors

#	ARTICLE	IF	CITATIONS
1	Microglia modulate blood flow, neurovascular coupling, and hypoperfusion via purinergic actions. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	94
2	Radiolabeling of Extracellular Vesicles with ^{99m} Tc for Quantitative <i>In Vivo</i> Imaging Studies. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2016, 31, 168-173.	1.0	86
3	Aluminium hydroxide stabilised MnFe ₂ O ₄ and Fe ₃ O ₄ nanoparticles as dual-modality contrasts agent for MRI and PET imaging. <i>Biomaterials</i> , 2014, 35, 5840-5846.	11.4	81
4	Diastolic dysfunction in prediabetic male rats: Role of mitochondrial oxidative stress. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H927-H943.	3.2	72
5	Synthesis, Characterization, and Application of Core-Shell Co _{0.16} Fe _{2.84} O ₄ @NaYF ₄ (Yb, Er) and Fe ₃ O ₄ @NaYF ₄ (Yb, Tm) Nanoparticle as Trimodal (MRI, PET/SPECT, Tj ETQq1 0.784314 rgB	3.6	59
6	State of the art in vivo imaging techniques for laboratory animals. <i>Laboratory Animals</i> , 2017, 51, 465-478.	1.0	56
7	Age-dependent changes at the blood-brain barrier. A Comparative structural and functional study in young adult and middle aged rats. <i>Brain Research Bulletin</i> , 2018, 139, 269-277.	3.0	55
8	A Novel SPECT-Based Approach Reveals Early Mechanisms of Central and Peripheral Inflammation after Cerebral Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1921-1929.	4.3	29
9	Extended half-life target module for sustainable UniCAR T-cell treatment of STn-expressing cancers. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 77.	8.6	23
10	Alzheimer's Disease: A Molecular View of β -Amyloid Induced Morbific Events. <i>Biomedicines</i> , 2021, 9, 1126.	3.2	22
11	Extracellular vesicle release and uptake by the liver under normo- and hyperlipidemia. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 7589-7604.	5.4	22
12	Production and in vivo imaging of ²⁰³ Pb as a surrogate isotope for in vivo ²¹² Pb internal absorbed dose studies. <i>Applied Radiation and Isotopes</i> , 2016, 114, 1-6.	1.5	21
13	Virtual museum of congenital heart defects: digitization and establishment of a database for cardiac specimens. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 115-126.	2.0	19
14	Selegiline reduces adiposity induced by high-fat, high-sucrose diet in male rats. <i>British Journal of Pharmacology</i> , 2018, 175, 3713-3726.	5.4	17
15	Kinetic Imaging in Lower Extremity Arteriography: Comparison to Digital Subtraction Angiography. <i>Radiology</i> , 2019, 290, 246-253.	7.3	17
16	Radiolabeling and Quantitative In Vivo SPECT/CT Imaging Study of Liposomes Using the Novel Iminothiolane- ^{99m} Tc-Tricarbonyl Complex. <i>Contrast Media and Molecular Imaging</i> , 2017, 2017, 1-8.	0.8	16
17	Novel therapeutic potential of angiotensin receptor 1 blockade in a rat model of diabetes-associated depression parallels altered BDNF signalling. <i>Diabetologia</i> , 2019, 62, 1501-1513.	6.3	15
18	Digital Variance Angiography as a Paradigm Shift in Carbon Dioxide Angiography. <i>Investigative Radiology</i> , 2019, 54, 428-436.	6.2	15

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19	In vivo localization of chronically implanted electrodes and optic fibers in mice. <i>Nature Communications</i> , 2020, 11, 4686.	12.8	15
20	Thallium Labeled Citrate-Coated Prussian Blue Nanoparticles as Potential Imaging Agent. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-10.	0.8	14
21	Demonstration of Metabolic and Cellular Effects of Portal Vein Ligation Using Multi-Modal PET/MRI Measurements in Healthy Rat Liver. <i>PLoS ONE</i> , 2014, 9, e90760.	2.5	11
22	Direct myosin-2 inhibition enhances cerebral perfusion resulting in functional improvement after ischemic stroke. <i>Theranostics</i> , 2020, 10, 5341-5356.	10.0	9
23	Comparative erythrocyte deformability investigations by filtration, slit-flow and rotational ektacytometry in a long-term follow-up animal study on splenectomy and different spleen preserving operative techniques: Partial or subtotal spleen resection and spleen autotransplantation. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 66, 83-96.	1.7	7
24	Novel radiomics evaluation of bone formation utilizing multimodal (SPECT/X-ray CT) in vivo imaging. <i>PLoS ONE</i> , 2018, 13, e0204423.	2.5	7
25	Radiomic detection of microscopic tumorous lesions in small animal liver SPECT imaging. <i>EJNMMI Research</i> , 2019, 9, 67.	2.5	7
26	An Implantable Magneto-Responsive Poly(aspartamide) Based Electrospun Scaffold for Hyperthermia Treatment. <i>Nanomaterials</i> , 2022, 12, 1476.	4.1	7
27	Functional shift with maintained regenerative potential following portal vein ligation. <i>Scientific Reports</i> , 2017, 7, 18065.	3.3	6
28	Fluorescent, Prussian Blue-Based Biocompatible Nanoparticle System for Multimodal Imaging Contrast. <i>Nanomaterials</i> , 2020, 10, 1732.	4.1	6
29	Multimodal PET/MRI Imaging Results Enable Monitoring the Side Effects of Radiation Therapy. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-9.	0.8	5
30	Pyrophosphate therapy prevents trauma-induced calcification in the mouse model of neurogenic heterotopic ossification. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 11791-11799.	3.6	5
31	Folate-Targeted Monodisperse PEG-Based Conjugates Made by Chemo-Enzymatic Methods for Cancer Diagnosis and Treatment. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10347.	4.1	4
32	Dissimilar flexibility of α and β subunits of human adult hemoglobin influences the protein dynamics and its alteration induced by allosteric effectors. <i>PLoS ONE</i> , 2018, 13, e0194994.	2.5	3
33	The 3M Concept: Biomedical Translational Imaging from Molecules to Mouse to Man. <i>The EuroBiotech Journal</i> , 2021, 5, 155-160.	1.0	0