

Mihai Radu

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,245
citations

304743

22
h-index

377865

34
g-index

52
all docs

52
docs citations

52
times ranked

2103
citing authors

#	ARTICLE	IF	CITATIONS
1	From Extraction to Advanced Analytical Methods: The Challenges of Melanin Analysis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3943.	4.1	138
2	Cationic Antimicrobial Peptides Cytotoxicity on Mammalian Cells: An Analysis Using Therapeutic Index Integrative Concept. <i>International Journal of Peptide Research and Therapeutics</i> , 2015, 21, 47-55.	1.9	98
3	Recent Advances in Magnetite Nanoparticle Functionalization for Nanomedicine. <i>Nanomaterials</i> , 2019, 9, 1791.	4.1	81
4	Biocompatible Fe ₃ O ₄ Increases the Efficacy of Amoxicillin Delivery against Gram-Positive and Gram-Negative Bacteria. <i>Molecules</i> , 2014, 19, 5013-5027.	3.8	59
5	Fluorescence spectra decomposition by asymmetric functions: Laurdan spectrum revisited. <i>Analytical Biochemistry</i> , 2013, 440, 123-129.	2.4	47
6	Ca ²⁺ uptake in mitochondria occurs via the reverse action of the Na ⁺ /Ca ²⁺ exchanger in metabolically inhibited MDCK cells. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 286, F784-F794.	2.7	46
7	Membrane cholesterol extraction decreases Na ⁺ transport in A6 renal epithelia. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 290, C87-C94.	4.6	44
8	All muscarinic acetylcholine receptors (M1-M5) are expressed in murine brain microvascular endothelium. <i>Scientific Reports</i> , 2017, 7, 5083.	3.3	40
9	Role of Mitochondrial Na ⁺ Concentration, Measured by CoroNa Red, in the Protection of Metabolically Inhibited MDCK Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 3490-3497.	6.1	39
10	Changes of cell electrical parameters induced by electroporation. A dielectrophoresis study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 365-372.	2.6	39
11	Nonsteroidal anti-inflammatory drugs in clinical and experimental epilepsy. <i>Epilepsy Research</i> , 2017, 131, 15-27.	1.6	37
12	Muscle Changes During Atrophy. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1088, 73-92.	1.6	36
13	Fabrication and Cytotoxicity of Gemcitabine-Functionalized Magnetite Nanoparticles. <i>Molecules</i> , 2017, 22, 1080.	3.8	34
14	Increase of <i>Saccharomyces cerevisiae</i> plating efficiency after treatment with bipolar electric pulses. <i>Bioelectrochemistry</i> , 1998, 46, 285-287.	1.0	33
15	Supranormal Cardiac Function in Athletes Related to Better Arterial and Endothelial Function. <i>Echocardiography</i> , 2010, 27, 659-667.	0.9	33
16	Modulating short tryptophan- and arginine-rich peptides activity by substitution with histidine. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1844-1854.	2.4	31
17	Beta-Estradiol Regulates Voltage-Gated Calcium Channels and Estrogen Receptors in Telocytes from Human Myometrium. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1413.	4.1	31
18	Dual Effect of Methylglyoxal on the Intracellular Ca ²⁺ Signaling and Neurite Outgrowth in Mouse Sensory Neurons. <i>Cellular and Molecular Neurobiology</i> , 2012, 32, 1047-1057.	3.3	28

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19	Neurovascular Unit in Chronic Pain. <i>Mediators of Inflammation</i> , 2013, 2013, 1-18.	3.0	27
20	MAPLE Coatings Embedded with Essential Oil-Conjugated Magnetite for Anti-Biofilm Applications. <i>Materials</i> , 2021, 14, 1612.	2.9	27
21	Antimicrobial Nanostructured Bioactive Coating Based on Fe ₃ O ₄ and Patchouli Oil for Wound Dressing. <i>Metals</i> , 2016, 6, 103.	2.3	26
22	Calcium Signaling in Interstitial Cells: Focus on Telocytes. <i>International Journal of Molecular Sciences</i> , 2017, 18, 397.	4.1	24
23	New players in the neurovascular unit: Insights from experimental and clinical epilepsy. <i>Neurochemistry International</i> , 2013, 63, 652-659.	3.8	22
24	Lab-on-a-Chip Platforms as Tools for Drug Screening in Neuropathologies Associated with Blood-Brain Barrier Alterations. <i>Biomolecules</i> , 2021, 11, 916.	4.0	21
25	Hyperpolarized Water Enhances Two-Dimensional Proton NMR Correlations: A New Approach for Molecular Interactions. <i>Journal of the American Chemical Society</i> , 2019, 141, 12448-12452.	13.7	19
26	Orientation Behavior of Retinal Photoreceptors in Alternating Electric Fields. <i>Biophysical Journal</i> , 2005, 89, 3548-3554.	0.5	17
27	Stimulation of tobacco shoot regeneration by alternating weak electric field. <i>Bioelectrochemistry</i> , 1998, 44, 257-260.	1.0	16
28	TRPV1 Properties in Thoracic Dorsal Root Ganglia Neurons are Modulated by Intraperitoneal Capsaicin Administration in the Late Phase of Type-1 Autoimmune Diabetes. <i>Cellular and Molecular Neurobiology</i> , 2013, 33, 187-196.	3.3	14
29	Advanced Type 1 Diabetes is Associated with ASIC Alterations in Mouse Lower Thoracic Dorsal Root Ganglia Neurons. <i>Cell Biochemistry and Biophysics</i> , 2014, 68, 9-23.	1.8	14
30	Enhanced Internalization of Nanoparticles Following Ionizing Radiation Leads to Mitotic Catastrophe in MG-63 Human Osteosarcoma Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7220.	4.1	14
31	PEG-Functionalized Magnetite Nanoparticles for Modulation of Microbial Biofilms on Voice Prosthesis. <i>Antibiotics</i> , 2022, 11, 39.	3.7	14
32	Bioevaluation of Novel Anti-Biofilm Coatings Based on PVP/Fe ₃ O ₄ Nanostructures and 2-((4-Ethylphenoxy)methyl)-N-(arylcabamothioyl)benzamides. <i>Molecules</i> , 2014, 19, 12011-12030.	3.8	12
33	Ca ²⁺ homeostasis in brain microvascular endothelial cells. <i>International Review of Cell and Molecular Biology</i> , 2021, 362, 55-110.	3.2	12
34	Melittin Induces Local Order Changes in Artificial and Biological Membranes as Revealed by Spectral Analysis of Laurdan Fluorescence. <i>Toxins</i> , 2020, 12, 705.	3.4	10
35	Acid-Sensing Ion Channels as Potential Pharmacological Targets in Peripheral and Central Nervous System Diseases. <i>Advances in Protein Chemistry and Structural Biology</i> , 2016, 103, 137-167.	2.3	9
36	Noninvasive detection of changes in cells' cytosol conductivity by combining dielectrophoresis with optical tweezers. <i>Analytica Chimica Acta</i> , 2018, 1030, 166-171.	5.4	7

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37	Changes in membrane electrical parameters of yeast following chemical treatment for protoplast isolation. <i>Bioelectrochemistry</i> , 1996, 40, 159-166.	1.0	6
38	Mechanisms of Ceftazidime and Ciprofloxacin Transport through Porins in Multidrug-Resistance Developed by Extended-Spectrum Beta-Lactamase E.coli Strains. <i>Journal of Fluorescence</i> , 2011, 21, 1421-1429.	2.5	6
39	Laser-driven radiation: Biomarkers for molecular imaging of high dose-rate effects. <i>Medical Physics</i> , 2019, 46, e726-e734.	3.0	6
40	RNA-Binding Proteins HuB, HuC, and HuD are Distinctly Regulated in Dorsal Root Ganglia Neurons from STZ-Sensitive Compared to STZ-Resistant Diabetic Mice. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1965.	4.1	6
41	Biocompatible 3D Matrix with Antimicrobial Properties. <i>Molecules</i> , 2016, 21, 115.	3.8	5
42	Short tryptophan- and arginine-rich peptide shows efficacy against clinical methicillin-resistant <i>Staphylococcus aureus</i> strains isolated from skin and soft tissue infections. <i>Scientific Reports</i> , 2019, 9, 17176.	3.3	4
43	Are they in or out? The elusive interaction between Qtracker [®] 800 vascular labels and brain endothelial cells. <i>Nanomedicine</i> , 2015, 10, 3329-3342.	3.3	3
44	Gene Transfer by Electroporation into Intact Tobacco Petiole Tissue. <i>Electromagnetic Biology and Medicine</i> , 1999, 18, 1-6.	0.4	2
45	Producing ORMOSIL scaffolds by femtosecond laser polymerization. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 108, 91-97.	2.3	2
46	THE DEVELOPMENT OF A NOVEL ARRAY DETECTOR FOR OVERCOMING THE DOSIMETRY CHALLENGES OF MEASURING IN VERY SHORT PULSED CHARGED PARTICLE BEAMS: THE ELIDOSE PROJECT. <i>Radiation Protection Dosimetry</i> , 2019, 183, 285-289.	0.8	2
47	Capsaicin short term administration effect on different immune parameters. <i>Roumanian Archives of Microbiology and Immunology</i> , 2012, 71, 221-54.	0.3	2
48	Electrically induced protoplast fusion for ergosterol-producing yeast strain improvement. <i>Journal of Basic Microbiology</i> , 1992, 32, 369-372.	3.3	1
49	Studies of Defect Structure in Epitaxial AlN/GaN Films Grown on (111) 3C-SiC. <i>Nanomaterials</i> , 2021, 11, 1299.	4.1	1
50	A fluorescence approach of the gamma radiation effects on gramicidin A inserted in liposomes. <i>Journal of Peptide Science</i> , 2008, 14, 1003-1009.	1.4	0
51	Updating RoNBio molecular modelling system to support in silico investigation of AMP activity on membrane models. , 2018, , .		0
52	A Prototype Detector Array for Measurements in Laser Accelerated Charged Particle Beams. <i>Journal of Physics: Conference Series</i> , 2020, 1643, 012042.	0.4	0