

Timur I Abdullin

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Design, Synthesis, and Cancer Cell Growth Inhibitory Activity of Triphenylphosphonium Derivatives of the Triterpenoid Betulin. <i>Journal of Natural Products</i> , 2017, 80, 2232-2239.	3.0	71
2	Synthesis and antibacterial activity of novel phosphonium salts on the basis of pyridoxine. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 4388-4395.	3.0	60
3	Synthesis and characterization of pyridoxine, nicotine and nicotinamide salts of dithiophosphoric acids as antibacterial agents against resistant wound infection. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 100-109.	3.0	32
4	Pluronic Block Copolymer-Mediated Interactions of Organic Compounds with Noble Metal Nanoparticles for SERS Analysis. <i>Langmuir</i> , 2010, 26, 5153-5159.	3.5	31
5	Poly(aspartic acid) with adjustable pH-dependent solubility. <i>Acta Biomaterialia</i> , 2017, 49, 486-494.	8.3	23
6	Transition metal-doped cryogels as bioactive materials for wound healing applications. <i>Materials Science and Engineering C</i> , 2019, 103, 109759.	7.3	23
7	Synthesis, Anticancer, and Antibacterial Activity of Betulinic and Betulonic Acid C-28-Triphenylphosphonium Conjugates with Variable Alkyl Linker Length. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2020, 20, 286-300.	1.7	22
8	Effect of size and protein environment on electrochemical properties of gold nanoparticles on carbon electrodes. <i>Bioelectrochemistry</i> , 2009, 77, 37-42.	4.6	18
9	Binding and purification of plasmid DNA using multi-layered carbon nanotubes. <i>Journal of Biotechnology</i> , 2011, 152, 102-107.	3.8	18
10	Structure–biocompatibility and transfection activity relationships of cationic polyaspartamides with (dialkylamino)alkyl and alkyl or hydroxyalkyl side groups. <i>International Journal of Pharmaceutics</i> , 2017, 517, 234-246.	5.2	17
11	In Situ functionalization of Poly(hydroxyethyl methacrylate) Cryogels with Oligopeptides via β -Cyclodextrin–Adamantane Complexation for Studying Cell-Instructive Peptide Environment. <i>ACS Applied Bio Materials</i> , 2020, 3, 1116-1128.	4.6	17
12	Carbon nanotube-modified electrodes for electrochemical DNA-sensors. <i>Journal of Analytical Chemistry</i> , 2007, 62, 599-603.	0.9	16
13	Enhanced angiogenic effects of RGD, GHK peptides and copper (II) compositions in synthetic cryogel ECM model. <i>Materials Science and Engineering C</i> , 2021, 120, 111660.	7.3	16
14	Conjugation of succinic acid to non-ionogenic amphiphilic polymers modulates their interaction with cell plasma membrane and reduces cytotoxic activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 109, 204-211.	5.0	13
15	Glutathione salts of O,O-diorganyl dithiophosphoric acids: Synthesis and study as redox modulating and antiproliferative compounds. <i>Peptides</i> , 2018, 99, 179-188.	2.4	13
16	Drug Diffusion Along an Intact Mammalian Cochlea. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 161.	3.7	13
17	Fast dissolving nanofibrous matrices prepared by electrospinning of polyaspartamides. <i>European Polymer Journal</i> , 2020, 130, 109624.	5.4	13
18	Synthesis and in vitro evaluation of triphenylphosphonium derivatives of acetylsalicylic and salicylic acids: structure-dependent interactions with cancer cells, bacteria, and mitochondria. <i>Medicinal Chemistry Research</i> , 2021, 30, 925-939.	2.4	13

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19	Effect of side groups on the properties of cationic polyaspartamides. <i>European Polymer Journal</i> , 2017, 93, 805-814.	5.4	12
20	Long acting anti-infection constructs on titanium. <i>Journal of Controlled Release</i> , 2020, 326, 91-105.	9.9	12
21	Comparison of systemic and localized carrier-mediated delivery of methylprednisolone succinate for treatment of acute spinal cord injury. <i>Experimental Brain Research</i> , 2021, 239, 627-638.	1.5	12
22	Self-assembled nanoformulation of methylprednisolone succinate with carboxylated block copolymer for local glucocorticoid therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 164, 78-88.	5.0	11
23	Triphenylphosphonium Moiety Modulates Proteolytic Stability and Potentiates Neuroprotective Activity of Antioxidant Tetrapeptides in Vitro. <i>Frontiers in Pharmacology</i> , 2018, 9, 115.	3.5	11
24	Amphiphilic RGD and GHK peptides synergistically enhance liposomal delivery into cancer and endothelial cells. <i>Materials Advances</i> , 2021, 2, 7715-7730.	5.4	10
25	Probing Cell Redox State and Glutathione-Modulating Factors Using a Monochlorobimane-Based Microplate Assay. <i>Antioxidants</i> , 2022, 11, 391.	5.1	9
26	Carbon nanotube-based biosensors for DNA structure characterization. <i>Applied Biochemistry and Microbiology</i> , 2009, 45, 229-232.	0.9	8
27	Lipid-like trifunctional block copolymers of ethylene oxide and propylene oxide: Effective and cytocompatible modulators of intracellular drug delivery. <i>International Journal of Pharmaceutics</i> , 2014, 461, 97-104.	5.2	8
28	Intracellular delivery of VEGF165 encoding gene therapeutic using trifunctional copolymers of ethylene oxide and propylene oxide. <i>European Polymer Journal</i> , 2015, 68, 680-686.	5.4	8
29	Tumor Cell Behavior in Porous Hydrogels: Effect of Application Technique and Doxorubicin Treatment. <i>Bulletin of Experimental Biology and Medicine</i> , 2019, 167, 590-598.	0.8	8
30	Synthesis and Characterization of Polyaspartic Acid-Histidine Conjugate as an Analog of Antioxidant Enzymes. <i>Applied Biochemistry and Microbiology</i> , 2019, 55, 474-481.	0.9	8
31	Anti-Radical and Cytotoxic Activity of Polysuccinimide and Polyaspartic Acid of Different Molecular Weight. <i>BioNanoScience</i> , 2016, 6, 348-351.	3.5	7
32	Adsorption and oxidation of purine bases and their derivatives on electrodes modified with carbon nanotubes. <i>Russian Journal of Electrochemistry</i> , 2008, 44, 1345-1349.	0.9	6
33	Reaction of Methyl (2-Methylidene)-3-oxolup-20(29)-en-28-oate with Dimethyl Trimethylsilyl Phosphite. <i>Russian Journal of General Chemistry</i> , 2018, 88, 1944-1947.	0.8	6
34	Dithiophosphate-Induced Redox Conversions of Reduced and Oxidized Glutathione. <i>Molecules</i> , 2021, 26, 2973.	3.8	6
35	Detection of DNA depurination with the use of an electrode modified with carbon nanotubes. <i>Journal of Analytical Chemistry</i> , 2008, 63, 690-692.	0.9	5
36	Electrochemical sensor for blood deoxyribonucleases: design and application to the diagnosis of autoimmune thyroiditis. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 2591-2597.	3.7	5

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37	Propoxylation of cationic polymers provides a novel approach to controllable modulation of their cellular toxicity and interaction with nucleic acids. <i>Materials Science and Engineering C</i> , 2016, 69, 60-67.	7.3	5
38	Non-invasive topical drug delivery to spinal cord with carboxyl-modified trifunctional copolymer of ethylene oxide and propylene oxide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 140, 196-203.	5.0	5
39	Electrochemical properties of a two-component DNA-polyaniline film at the surface of glassy carbon electrode. <i>Russian Journal of Electrochemistry</i> , 2007, 43, 1284-1288.	0.9	4
40	Effect of triphenylphosphonium moiety on spatial structure and biointeractions of stereochemical variants of YRFK motif. <i>European Biophysics Journal</i> , 2019, 48, 25-34.	2.2	4
41	Regenerative Activities of ROS-Modulating Trace Metals in Subcutaneously Implanted Biodegradable Cryogel. <i>Gels</i> , 2022, 8, 118.	4.5	4
42	Assessment of metabolic activity of human cells in solution and in polymer matrix with the use of metabolite-sensitive sensors. <i>Materials Science and Engineering C</i> , 2012, 32, 1843-1848.	7.3	3
43	Evaluation of skin irritation in rats using simultaneous laser Doppler flowmetry and oxygenation monitoring. <i>BioNanoScience</i> , 2016, 6, 384-387.	3.5	1
44	Evaluation of Cell Membrane-Modulating Properties of Non-Ionic Surfactants with the use of Atomic Force Spectroscopy. <i>BioNanoScience</i> , 2015, 5, 91-96.	3.5	0
45	EPR Detection of DNA Interaction with 3-Carboxy-proxyl-Labelled Recombinant Human Histone H1.3. <i>BioNanoScience</i> , 2017, 7, 109-111.	3.5	0