

# Timur I Abdullin

## List of Publications by Citations

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42  
papers

424  
citations

12  
h-index

18  
g-index

46  
ext. papers

519  
ext. citations

4.3  
avg, IF

3.49  
L-index

#	Paper	IF	Citations
42	Design, Synthesis, and Cancer Cell Growth Inhibitory Activity of Triphenylphosphonium Derivatives of the Triterpenoid Betulin. <i>Journal of Natural Products</i> , <b>2017</b> , 80, 2232-2239	4.9	49
41	Synthesis and antibacterial activity of novel phosphonium salts on the basis of pyridoxine. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 4388-95	3.4	49
40	Pluronic block copolymer-mediated interactions of organic compounds with noble metal nanoparticles for SERS analysis. <i>Langmuir</i> , <b>2010</b> , 26, 5153-9	4	30
39	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> , <b>2019</b> , 27, 100-109	3.4	21
38	Poly(aspartic acid) with adjustable pH-dependent solubility. <i>Acta Biomaterialia</i> , <b>2017</b> , 49, 486-494	10.8	19
37	Transition metal-doped cryogels as bioactive materials for wound healing applications. <i>Materials Science and Engineering C</i> , <b>2019</b> , 103, 109759	8.3	17
36	Effect of size and protein environment on electrochemical properties of gold nanoparticles on carbon electrodes. <i>Bioelectrochemistry</i> , <b>2009</b> , 77, 37-42	5.6	17
35	Binding and purification of plasmid DNA using multi-layered carbon nanotubes. <i>Journal of Biotechnology</i> , <b>2011</b> , 152, 102-7	3.7	16
34	Carbon nanotube-modified electrodes for electrochemical DNA-sensors. <i>Journal of Analytical Chemistry</i> , <b>2007</b> , 62, 599-603	1.1	16
33	Structure-biocompatibility and transfection activity relationships of cationic polyaspartamides with (dialkylamino)alkyl and alkyl or hydroxyalkyl side groups. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 517, 234-246	6.5	15
32	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> , <b>2020</b> , 20, 286-300	2.2	13
31	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> , <b>2013</b> , 109, 204-11	6	12
30	Glutathione salts of O,O-diorganyl dithiophosphoric acids: Synthesis and study as redox modulating and antiproliferative compounds. <i>Peptides</i> , <b>2018</b> , 99, 179-188	3.8	10
29	In Situ Functionalization of Poly(hydroxyethyl methacrylate) Cryogels with Oligopeptides via $\beta$ -Cyclodextrin-Adamantane Complexation for Studying Cell-Instructive Peptide Environment.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 1116-1128	4.1	10
28	Effect of side groups on the properties of cationic polyaspartamides. <i>European Polymer Journal</i> , <b>2017</b> , 93, 805-814	5.2	9
27	Triphenylphosphonium Moiety Modulates Proteolytic Stability and Potentiates Neuroprotective Activity of Antioxidant Tetrapeptides. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 115	5.6	9
26	Drug Diffusion Along an Intact Mammalian Cochlea. <i>Frontiers in Cellular Neuroscience</i> , <b>2019</b> , 13, 161	6.1	8

25	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> , <b>2014</b> , 461, 97-104	6.5	8
24	Carbon nanotube-based biosensors for DNA structure characterization. <i>Applied Biochemistry and Microbiology</i> , <b>2009</b> , 45, 229-232	1.1	8
23	Self-assembled nanoformulation of methylprednisolone succinate with carboxylated block copolymer for local glucocorticoid therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 164, 78-88	6	7
22	Synthesis and Characterization of Polyaspartic Acid-Histidine Conjugate as an Analog of Antioxidant Enzymes. <i>Applied Biochemistry and Microbiology</i> , <b>2019</b> , 55, 474-481	1.1	6
21	Adsorption and oxidation of purine bases and their derivatives on electrodes modified with carbon nanotubes. <i>Russian Journal of Electrochemistry</i> , <b>2008</b> , 44, 1345-1349	1.2	6
20	Tumor Cell Behavior in Porous Hydrogels: Effect of Application Technique and Doxorubicin Treatment. <i>Bulletin of Experimental Biology and Medicine</i> , <b>2019</b> , 167, 590-598	0.8	5
19	Intracellular delivery of VEGF165 encoding gene therapeutic using trifunctional copolymers of ethylene oxide and propylene oxide. <i>European Polymer Journal</i> , <b>2015</b> , 68, 680-686	5.2	5
18	Long acting anti-infection constructs on titanium. <i>Journal of Controlled Release</i> , <b>2020</b> , 326, 91-105	11.7	5
17	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> , <b>2016</b> , 69, 60-7	8.3	5
16	Electrochemical sensor for blood deoxyribonucleases: design and application to the diagnosis of autoimmune thyroiditis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 401, 2591-7	4.4	5
15	Detection of DNA depurination with the use of an electrode modified with carbon nanotubes. <i>Journal of Analytical Chemistry</i> , <b>2008</b> , 63, 690-692	1.1	5
14	Reaction of Methyl (2-Methylidene)-3-oxolup-20(29)-en-28-oate with Dimethyl Trimethylsilyl Phosphite. <i>Russian Journal of General Chemistry</i> , <b>2018</b> , 88, 1944-1947	0.7	5
13	Anti-Radical and Cytotoxic Activity of Polysuccinimide and Polyaspartic Acid of Different Molecular Weight. <i>BioNanoScience</i> , <b>2016</b> , 6, 348-351	3.4	4
12	Enhanced angiogenic effects of RGD, GHK peptides and copper (II) compositions in synthetic cryogel ECM model. <i>Materials Science and Engineering C</i> , <b>2021</b> , 120, 111660	8.3	4
11	Fast dissolving nanofibrous matrices prepared by electrospinning of polyaspartamides. <i>European Polymer Journal</i> , <b>2020</b> , 130, 109624	5.2	3
10	Effect of triphenylphosphonium moiety on spatial structure and biointeractions of stereochemical variants of YRFK motif. <i>European Biophysics Journal</i> , <b>2019</b> , 48, 25-34	1.9	3
9	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> , <b>2012</b> , 32, 1843-1848	8.3	3
8	Electrochemical properties of a two-component DNA-polyaniline film at the surface of glassy carbon electrode. <i>Russian Journal of Electrochemistry</i> , <b>2007</b> , 43, 1284-1288	1.2	3

7	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> , <b>2021</b> , 30, 925-939	2.2	3
6	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> , <b>2016</b> , 140, 196-203	6	2
5	Comparison of systemic and localized carrier-mediated delivery of methylprednisolone succinate for treatment of acute spinal cord injury. <i>Experimental Brain Research</i> , <b>2021</b> , 239, 627-638	2.3	2
4	Evaluation of skin irritation in rats using simultaneous laser Doppler flowmetry and oxygenation monitoring. <i>BioNanoScience</i> , <b>2016</b> , 6, 384-387	3.4	1
3	Dithiophosphate-Induced Redox Conversions of Reduced and Oxidized Glutathione. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
2	Evaluation of Cell Membrane-Modulating Properties of Non-Ionic Surfactants with the use of Atomic Force Spectroscopy. <i>BioNanoScience</i> , <b>2015</b> , 5, 91-96	3.4	
1	EPR Detection of DNA Interaction with 3-Carboxy-proxyl-Labelled Recombinant Human Histone H1.3. <i>BioNanoScience</i> , <b>2017</b> , 7, 109-111	3.4	