

Timur I Abdullin

List of Publications by Year in descending order

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45
papers

607
citations

777949

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875
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Probing Cell Redox State and Glutathione-Modulating Factors Using a Monochlorobimane-Based Microplate Assay. <i>Antioxidants</i> , 2022, 11, 391. | 2.2 | 9 |
| 2 | Regenerative Activities of ROS-Modulating Trace Metals in Subcutaneously Implanted Biodegradable Cryogel. <i>Gels</i> , 2022, 8, 118. | 2.1 | 4 |
| 3 | 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. | 3.8 | 16 |
| 4 | 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. | 1.1 | 13 |
| 5 | Dithiophosphate-Induced Redox Conversions of Reduced and Oxidized Glutathione. <i>Molecules</i> , 2021, 26, 2973. | 1.7 | 6 |
| 6 | Amphiphilic RGD and GHK peptides synergistically enhance liposomal delivery into cancer and endothelial cells. <i>Materials Advances</i> , 2021, 2, 7715-7730. | 2.6 | 10 |
| 7 | 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. | 0.7 | 12 |
| 8 | In Situ functionalization of Poly(hydroxyethyl methacrylate) Cryogels with Oligopeptides via β -2-Cyclodextrin-Adamantane Complexation for Studying Cell-Instructive Peptide Environment. <i>ACS Applied Bio Materials</i> , 2020, 3, 1116-1128. | 2.3 | 17 |
| 9 | Long acting anti-infection constructs on titanium. <i>Journal of Controlled Release</i> , 2020, 326, 91-105. | 4.8 | 12 |
| 10 | 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. | 0.9 | 22 |
| 11 | Fast dissolving nanofibrous matrices prepared by electrospinning of polyaspartamides. <i>European Polymer Journal</i> , 2020, 130, 109624. | 2.6 | 13 |
| 12 | Effect of triphenylphosphonium moiety on spatial structure and biointeractions of stereochemical variants of YRFK motif. <i>European Biophysics Journal</i> , 2019, 48, 25-34. | 1.2 | 4 |
| 13 | 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. | 0.3 | 8 |
| 14 | Synthesis and Characterization of Polyaspartic Acid-Histidine Conjugate as an Analog of Antioxidant Enzymes. <i>Applied Biochemistry and Microbiology</i> , 2019, 55, 474-481. | 0.3 | 8 |
| 15 | Transition metal-doped cryogels as bioactive materials for wound healing applications. <i>Materials Science and Engineering C</i> , 2019, 103, 109759. | 3.8 | 23 |
| 16 | Drug Diffusion Along an Intact Mammalian Cochlea. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 161. | 1.8 | 13 |
| 17 | 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. | 1.4 | 32 |
| 18 | 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. | 2.5 | 11 |

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|----|---|-----|-----------|
| 19 | Glutathione salts of O,O-diorganyl dithiophosphoric acids: Synthesis and study as redox modulating and antiproliferative compounds. <i>Peptides</i> , 2018, 99, 179-188. | 1.2 | 13 |
| 20 | 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. | 0.3 | 6 |
| 21 | Triphenylphosphonium Moiety Modulates Proteolytic Stability and Potentiates Neuroprotective Activity of Antioxidant Tetrapeptides in Vitro. <i>Frontiers in Pharmacology</i> , 2018, 9, 115. | 1.6 | 11 |
| 22 | Effect of side groups on the properties of cationic polyaspartamides. <i>European Polymer Journal</i> , 2017, 93, 805-814. | 2.6 | 12 |
| 23 | Poly(aspartic acid) with adjustable pH-dependent solubility. <i>Acta Biomaterialia</i> , 2017, 49, 486-494. | 4.1 | 23 |
| 24 | 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. | 2.6 | 17 |
| 25 | 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. | 1.5 | 71 |
| 26 | EPR Detection of DNA Interaction with 3-Carboxy-proxyl-Labelled Recombinant Human Histone H1.3. <i>BioNanoScience</i> , 2017, 7, 109-111. | 1.5 | 0 |
| 27 | Evaluation of skin irritation in rats using simultaneous laser Doppler flowmetry and oxygenation monitoring. <i>BioNanoScience</i> , 2016, 6, 384-387. | 1.5 | 1 |
| 28 | Anti-Radical and Cytotoxic Activity of Polysuccinimide and Polyaspartic Acid of Different Molecular Weight. <i>BioNanoScience</i> , 2016, 6, 348-351. | 1.5 | 7 |
| 29 | 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. | 3.8 | 5 |
| 30 | 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. | 2.5 | 5 |
| 31 | 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. | 2.6 | 8 |
| 32 | Evaluation of Cell Membrane-Modulating Properties of Non-Ionic Surfactants with the use of Atomic Force Spectroscopy. <i>BioNanoScience</i> , 2015, 5, 91-96. | 1.5 | 0 |
| 33 | 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. | 2.6 | 8 |
| 34 | 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. | 2.5 | 13 |
| 35 | Synthesis and antibacterial activity of novel phosphonium salts on the basis of pyridoxine. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 4388-4395. | 1.4 | 60 |
| 36 | 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. | 3.8 | 3 |

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|----|---|-----|-----------|
| 37 | Electrochemical sensor for blood deoxyribonucleases: design and application to the diagnosis of autoimmune thyroiditis. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 2591-2597. | 1.9 | 5 |
| 38 | Binding and purification of plasmid DNA using multi-layered carbon nanotubes. <i>Journal of Biotechnology</i> , 2011, 152, 102-107. | 1.9 | 18 |
| 39 | Pluronic Block Copolymer-Mediated Interactions of Organic Compounds with Noble Metal Nanoparticles for SERS Analysis. <i>Langmuir</i> , 2010, 26, 5153-5159. | 1.6 | 31 |
| 40 | Carbon nanotube-based biosensors for DNA structure characterization. <i>Applied Biochemistry and Microbiology</i> , 2009, 45, 229-232. | 0.3 | 8 |
| 41 | Effect of size and protein environment on electrochemical properties of gold nanoparticles on carbon electrodes. <i>Bioelectrochemistry</i> , 2009, 77, 37-42. | 2.4 | 18 |
| 42 | 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. | 0.3 | 6 |
| 43 | Detection of DNA depurination with the use of an electrode modified with carbon nanotubes. <i>Journal of Analytical Chemistry</i> , 2008, 63, 690-692. | 0.4 | 5 |
| 44 | 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. | 0.3 | 4 |
| 45 | Carbon nanotube-modified electrodes for electrochemical DNA-sensors. <i>Journal of Analytical Chemistry</i> , 2007, 62, 599-603. | 0.4 | 16 |