

# Peter S Timashev

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

254  
papers

2,198  
citations

23  
h-index

33  
g-index

282  
ext. papers

3,163  
ext. citations

3.7  
avg, IF

5.32  
L-index

#	Paper	IF	Citations
254	The Optimized Formulation of Tamoxifen-Loaded Niosomes Efficiently Induced Apoptosis and Cell Cycle Arrest in Breast Cancer Cells.. <i>AAPS PharmSciTech</i> , <b>2022</b> , 23, 57	3.9	1
253	Rhenium Perrhenate (ReO) Induced Apoptosis and Reduced Cancerous Phenotype in Liver Cancer Cells.. <i>Cells</i> , <b>2022</b> , 11,	7.9	3
252	3D nanomechanical mapping of subcellular and sub-nuclear structures of living cells by multi-harmonic AFM with long-tip microcantilevers.. <i>Scientific Reports</i> , <b>2022</b> , 12, 529	4.9	0
251	Graft Copolymers of N-Isopropylacrylamide with Poly(d,l-lactide) or Poly(ε-caprolactone) Macromonomers: A Promising Class of Thermoresponsive Polymers with a Tunable LCST. <i>ACS Applied Polymer Materials</i> , <b>2022</b> , 4, 1344-1357	4.3	2
250	3D or not 3D: a guide to assess cell viability in 3D cell systems.. <i>Soft Matter</i> , <b>2022</b> ,	3.6	3
249	Nanotechnology-based combinatorial phototherapy for enhanced cancer treatment.. <i>RSC Advances</i> , <b>2022</b> , 12, 9725-9737	3.7	1
248	Heterogeneous Photocatalytic Systems Based on Fluorinated Tetraphenylporphyrin Supported on Polysaccharide Aerogels. <i>Russian Journal of Physical Chemistry A</i> , <b>2022</b> , 96, 444-449	0.7	0
247	Poly lactide microparticles stabilized by chitosan graft-copolymer as building blocks for scaffold fabrication via surface-selective laser sintering. <i>Journal of Materials Research</i> , <b>2022</b> , 37, 933-942	2.5	0
246	Laser Technology of Directional Microstructuring of Biodegradable Nonwovens. <i>High Energy Chemistry</i> , <b>2022</b> , 56, 138-144	0.9	
245	Gender-Related Aspects in Osteoarthritis Development and Progression: A Review.. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	1
244	Biomimetic Nanocarriers Guide Extracellular ATP Homeostasis to Remodel Energy Metabolism for Activating Innate and Adaptive Immunity System.. <i>Advanced Science</i> , <b>2022</b> , e2105376	13.6	3
243	Stem cell therapy for vocal fold regeneration after scarring: a review of experimental approaches.. <i>Stem Cell Research and Therapy</i> , <b>2022</b> , 13, 176	8.3	
242	Mimicking the liver function in micro-patterned units: Challenges and perspectives in 3D bioprinting. <i>Bioprinting</i> , <b>2022</b> , 27, e00208	7	2
241	Effect of Amphiphilic Polymers on the Activity of Rose Bengal during the Photooxidation of Tryptophan in an Aqueous Medium. <i>Russian Journal of Physical Chemistry A</i> , <b>2022</b> , 96, 1106-1111	0.7	0
240	A mathematical model of in vitro hepatocellular cholesterol and lipoprotein metabolism for hyperlipidemia therapy. <i>PLoS ONE</i> , <b>2022</b> , 17, e0264903	3.7	
239	Possible Male Reproduction Complications after Coronavirus Pandemic. <i>Cell Journal</i> , <b>2021</b> , 23, 382-388	2.4	1
238	The Duo of Osteogenic and Angiogenic Differentiation in ADSC-Derived Spheroids. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 572727	5.7	2

237	Cross-talk between immune system and microbiota in COVID-19. <i>Expert Review of Gastroenterology and Hepatology</i> , <b>2021</b> , 15, 1281-1294	4.2	9
236	A Hydrophobic Derivative of Ciprofloxacin as a New Photoinitiator of Two-Photon Polymerization: Synthesis and Usage for the Formation of Biocompatible Polylactide-Based 3D Scaffolds. <i>Polymers</i> , <b>2021</b> , 13,	4.5	2
235	Innovative nanochemotherapy for overcoming cancer multidrug resistance. <i>Nanotechnology</i> , <b>2021</b> , 33,	3.4	1
234	Tissue Engineering Meets Nanotechnology: Molecular Mechanism Modulations in Cornea Regeneration. <i>Micromachines</i> , <b>2021</b> , 12,	3.3	2
233	Stop COVID Cohort: An Observational Study of 3480 Patients Admitted to the Sechenov University Hospital Network in Moscow City for Suspected Coronavirus Disease 2019 (COVID-19) Infection. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 73, 1-11	11.6	34
232	Reply to Russo et al. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 72, e1159-e1160	11.6	
231	Computational prediction of photosensitizers toxicity. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2021</b> , 25, 323-335	1.8	1
230	Serum Zinc, Copper, and Other Biometals Are Associated with COVID-19 Severity Markers. <i>Metabolites</i> , <b>2021</b> , 11,	5.6	17
229	A time-shift correction for extraction of viscoelastic parameters from ramp-hold AFM experiments. <i>Japanese Journal of Applied Physics</i> , <b>2021</b> , 60, SE1002	1.4	3
228	Unsaturated and thiolated derivatives of polysaccharides as functional matrixes for tissue engineering and pharmacology: A review. <i>Carbohydrate Polymers</i> , <b>2021</b> , 259, 117735	10.3	1
227	Quasiliving Cationic Polymerization of Anethole: Accessing High-Performance Plastic from the Biomass-Derived Monomer. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 6841-6854	8.3	4
226	Lactoferrin as a regenerative agent: The old-new panacea?. <i>Pharmacological Research</i> , <b>2021</b> , 167, 105564	10.2	3
225	Spidroin Silk Fibers with Bioactive Motifs of Extracellular Proteins for Neural Tissue Engineering. <i>ACS Omega</i> , <b>2021</b> , 6, 15264-15273	3.9	6
224	Cathepsin D-Managing the Delicate Balance. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	3
223	Biofabrication of size-controlled liver microtissues incorporated with ECM-derived microparticles to prolong hepatocyte function. <i>Bio-Design and Manufacturing</i> , <b>2021</b> , 4, 790-805	4.7	1
222	Effect of the Wavelength and Intensity of Excitation Light on the Efficiency of Photogeneration of Singlet Oxygen by Photodithazine in the Presence of Pluronic F127 in Model Processes of Photo-Oxidation. <i>Russian Journal of Physical Chemistry A</i> , <b>2021</b> , 95, 1222-1229	0.7	1
221	Mechanical properties of cell sheets and spheroids: the link between single cells and complex tissues. <i>Biophysical Reviews</i> , <b>2021</b> , 13, 541-561	3.7	11
220	Oncolytic Virus-Induced Autophagy in Glioblastoma. <i>Cancers</i> , <b>2021</b> , 13,	6.6	1

219	VIRAL DELIVERY USING SCAFFOLDS <b>2021</b> , 20, 19-30	0.4	
218	Evolution of organoid technology: Lessons learnt in Co-Culture systems from developmental biology. <i>Developmental Biology</i> , <b>2021</b> , 475, 37-53	3.1	10
217	Frontiers in urethra regeneration: current state and future perspective. <i>Biomedical Materials (Bristol)</i> , <b>2021</b> , 16,	3.5	2
216	Recent progress in mitochondria-targeting-based nanotechnology for cancer treatment. <i>Nanoscale</i> , <b>2021</b> , 13, 7108-7118	7.7	14
215	An update to "novel therapeutic approaches for treatment of COVID-19". <i>Journal of Molecular Medicine</i> , <b>2021</b> , 99, 303-310	5.5	13
214	Mapping mechanical properties of living cells at nanoscale using intrinsic nanopipette-sample force interactions. <i>Nanoscale</i> , <b>2021</b> , 13, 6558-6568	7.7	9
213	Lipids as regulators of inflammation and tissue regeneration <b>2021</b> , 175-193		
212	Approach to tune drug release in particles fabricated from methacrylate functionalized polylactides. <i>Molecular Systems Design and Engineering</i> , <b>2021</b> , 6, 202-213	4.6	3
211	Allyl-Functionalized Polybenzimidazole for Laser Stereolithography. <i>Russian Journal of Applied Chemistry</i> , <b>2021</b> , 94, 99-103	0.8	0
210	Modeling of Old Scars: Histopathological, Biochemical and Thermal Analysis of the Scar Tissue Maturation. <i>Biology</i> , <b>2021</b> , 10,	4.9	2
209	Terahertz radiation and the skin: a review. <i>Journal of Biomedical Optics</i> , <b>2021</b> , 26,	3.5	25
208	Effect of Chitosan on the Activity of Water-Soluble and Hydrophobic Porphyrin Photosensitizers Solubilized by Amphiphilic Polymers. <i>Polymers</i> , <b>2021</b> , 13,	4.5	1
207	Local Delivery of Pirfenidone by PLA Implants Modifies Foreign Body Reaction and Prevents Fibrosis. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	2
206	Practicable Applications of Aggregation-Induced Emission with Biomedical Perspective. <i>Advanced Healthcare Materials</i> , <b>2021</b> , e2100945	10.1	3
205	Organoids in modelling infectious diseases. <i>Drug Discovery Today</i> , <b>2021</b> , 27, 223-223	8.8	5
204	Organoids: a novel modality in disease modeling. <i>Bio-Design and Manufacturing</i> , <b>2021</b> , 4, 1-28	4.7	7
203	Incidence and risk factors for persistent symptoms in adults previously hospitalized for COVID-19. <i>Clinical and Experimental Allergy</i> , <b>2021</b> , 51, 1107-1120	4.1	26
202	Numerical Modelling of Multicellular Spheroid Compression: Viscoelastic Fluid vs. Viscoelastic Solid. <i>Mathematics</i> , <b>2021</b> , 9, 2333	2.3	1

201	Autologous bone marrow-derived mesenchymal stem cells provide complete regeneration in a rabbit model of the Achilles tendon bundle rupture. <i>International Orthopaedics</i> , <b>2021</b> , 45, 3263-3276	3.8	1
200	Mechanical Enhancement and Kinetics Regulation of Fmoc-Diphenylalanine Hydrogels by Thioflavin T. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 25339-25345	16.4	2
199	Cellular effects of terahertz waves. <i>Journal of Biomedical Optics</i> , <b>2021</b> , 26,	3.5	18
198	Thin Thermoresponsive Polymer Films for Cell Culture: Elucidating an Unexpected Thermal Phase Behavior by Atomic Force Microscopy. <i>Langmuir</i> , <b>2021</b> , 37, 11386-11396	4	1
197	Metabolome-Driven Regulation of Adenovirus-Induced Cell Death. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
196	Female Reproductive Health in SARS-CoV-2 Pandemic Era.. <i>International Journal of Fertility &amp; Sterility</i> , <b>2021</b> , 15, 241-245	1.9	
195	Photocurable Methacrylate Derivatives of Polylactide: A Two-Stage Synthesis in Supercritical Carbon Dioxide and 3D Laser Structuring. <i>Polymers</i> , <b>2020</b> , 12,	4.5	1
194	Formation of luminescent states in polybenzimidazole-based films. <i>Journal of Polymer Science</i> , <b>2020</b> , 58, 2926-2935	2.4	1
193	Adaptive changes induced by noble-metal nanostructures and. <i>Theranostics</i> , <b>2020</b> , 10, 5649-5670	12.1	8
192	Insights Image for "Human ucMSCs seeded in a decellularized kidney scaffold attenuate renal fibrosis by reducing epithelial-mesenchymal transition via the TGF- $\beta$ /Smad signaling pathway". <i>Pediatric Research</i> , <b>2020</b> , 88, 336	3.2	
191	Tissue engineering using a combined cell sheet technology and scaffolding approach. <i>Acta Biomaterialia</i> , <b>2020</b> , 113, 63-83	10.8	28
190	Novel therapeutic approaches for treatment of COVID-19. <i>Journal of Molecular Medicine</i> , <b>2020</b> , 98, 789-803	9.3	27
189	Influence of acetic acid on the photocatalytic activity of photosensitizer-amphiphilic polymer complexes in the oxidation reaction of tryptophan. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 194901	3.9	3
188	The Mechanical Properties, Secondary Structure, and Osteogenic Activity of Photopolymerized Fibroin. <i>Polymers</i> , <b>2020</b> , 12,	4.5	2
187	Multiparametric Optical Bioimaging Reveals the Fate of Epoxy Crosslinked Biomeshes in the Mouse Subcutaneous Implantation Model. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 107	5.8	6
186	Solid-State Synthesis of Water-Soluble Chitosan-g-Hydroxyethyl Cellulose Copolymers. <i>Polymers</i> , <b>2020</b> , 12,	4.5	2
185	Chitosan--oligo(L,L-lactide) Copolymer Hydrogel Potential for Neural Stem Cell Differentiation. <i>Tissue Engineering - Part A</i> , <b>2020</b> , 26, 953-963	3.9	10
184	Broad-spectrum antibacterial and pro-regenerative effects of photoactivated Photodithazine-Pluronic F127-Chitosan polymer system: In vivo study. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2020</b> , 210, 111954	6.7	2

183	Plasma Treatment of Poly(ethylene terephthalate) Films and Chitosan Deposition: DC- vs. AC-Discharge. <i>Materials</i> , <b>2020</b> , 13,	3.5	7
182	Mammalian Pericardium-Based Bioprosthetic Materials in Xenotransplantation and Tissue Engineering. <i>Biotechnology Journal</i> , <b>2020</b> , 15, e1900334	5.6	5
181	Water-soluble copolymer compositions of polysaccharides for electrospinning of biomaterials. <i>Materials Today: Proceedings</i> , <b>2020</b> , 25, 395-397	1.4	
180	Digging deeper: structural background of PEGylated fibrin gels in cell migration and lumenogenesis.. <i>RSC Advances</i> , <b>2020</b> , 10, 4190-4200	3.7	15
179	Lipidomics and RNA sequencing reveal a novel subpopulation of nanovesicle within extracellular matrix biomaterials. <i>Science Advances</i> , <b>2020</b> , 6, eaay4361	14.3	17
178	Battling Neurodegenerative Diseases with Adeno-Associated Virus-Based Approaches. <i>Viruses</i> , <b>2020</b> , 12,	6.2	3
177	Grafting of Unsaturated Higher Fatty Acids to Chitosan in Aqueous Medium. <i>Russian Journal of Applied Chemistry</i> , <b>2020</b> , 93, 420-426	0.8	
176	Beyond 2D: effects of photobiomodulation in 3D tissue-like systems. <i>Journal of Biomedical Optics</i> , <b>2020</b> , 25, 1-16	3.5	5
175	Fibrin-based Bioinks: New Tricks from an Old Dog. <i>International Journal of Bioprinting</i> , <b>2020</b> , 6, 269	6.2	11
174	Laser-induced Forward Transfer Hydrogel Printing: A Defined Route for Highly Controlled Process. <i>International Journal of Bioprinting</i> , <b>2020</b> , 6, 271	6.2	14
173	Engineering a Model to Study Viral Infections: Bioprinting, Microfluidics, and Organoids to Defeat Coronavirus Disease 2019 (COVID-19). <i>International Journal of Bioprinting</i> , <b>2020</b> , 6, 302	6.2	27
172	Cell therapy for critical limb ischemia: Current progress and future prospects <b>2020</b> , 85-115		
171	The Structural Features of Native Fibrin and Its Conjugates with Polyethylene Glycol and Vascular Endothelial Growth Factor according to Small-Angle X-Ray Scattering. <i>Reviews and Advances in Chemistry</i> , <b>2020</b> , 10, 158-163	0	
170	Bioprinting in the Russian Federation: Can Russians Compete?. <i>International Journal of Bioprinting</i> , <b>2020</b> , 6, 303	6.2	2
169	Bioresorbable collagen materials in surgery: 50 years of success. <i>Sel'novskij Vestnik</i> , <b>2020</b> , 11, 59-70	0.3	1
168	Three-Dimensional Printing of Tetrafunctional Polylactide Using Ciprofloxacin Derivatives as Photoinitiators. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2020</b> , 84, 1406-1410	0.4	1
167	The Evolution of Surface-Selective Laser Sintering: Modifying and Forming 3D Structures for Tissue Engineering. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , <b>2020</b> , 84, 1315-1320	0.4	3
166	Exosomes released by human umbilical cord mesenchymal stem cells protect against renal interstitial fibrosis through ROS-mediated P38MAPK/ERK signaling pathway. <i>American Journal of Translational Research (discontinued)</i> , <b>2020</b> , 12, 4998-5014	3	8

165	IBD Patients Could Be Silent Carriers for Novel Coronavirus and Less Prone to its Severe Adverse Events: True or False?. <i>Cell Journal</i> , <b>2020</b> , 22, 151-154	2.4	7
164	Tissue Engineering in Liver Regenerative Medicine: Insights into Novel Translational Technologies. <i>Cells</i> , <b>2020</b> , 9,	7.9	31
163	Secondary ossification center induces and protects growth plate structure. <i>ELife</i> , <b>2020</b> , 9,	8.9	11
162	Vibration activity of the vocal folds and a new instrumental technique for their study. <i>Optical Engineering</i> , <b>2020</b> , 59, 1	1.1	2
161	Supercritical fluids in chemistry. <i>Russian Chemical Reviews</i> , <b>2020</b> , 89, 1337-1427	6.8	19
160	Biomechanical properties of the lens capsule: A review. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2020</b> , 103, 103600	4.1	4
159	Chitosan-g-oligo(L,L-lactide) copolymer hydrogel for nervous tissue regeneration in glutamate excitotoxicity: in vitro feasibility evaluation. <i>Biomedical Materials (Bristol)</i> , <b>2020</b> , 15, 015011	3.5	12
158	Human ucMSCs seeded in a decellularized kidney scaffold attenuate renal fibrosis by reducing epithelial-mesenchymal transition via the TGF- $\beta$ /Smad signaling pathway. <i>Pediatric Research</i> , <b>2020</b> , 88, 192-201	3.2	1
157	Editing Cytoprotective Autophagy in Glioma: An Unfulfilled Potential for Therapy. <i>Trends in Molecular Medicine</i> , <b>2020</b> , 26, 252-262	11.5	20
156	Artificial Nanotargeted Cells with Stable Photothermal Performance for Multimodal Imaging-Guided Tumor-Specific Therapy. <i>ACS Nano</i> , <b>2020</b> , 14, 12652-12667	16.7	30
155	Assessment of Fibrinogen Macromolecules Interaction with Red Blood Cells Membrane by Means of Laser Aggregometry, Flow Cytometry, and Optical Tweezers Combined with Microfluidics. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	4
154	Luminescent Properties of Mixed-Ligand Neodymium $\beta$ -Diketonates Obtained in Supercritical Carbon Dioxide in Polymer Matrices of Various Nature. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , <b>2020</b> , 128, 869-876	0.7	1
153	$\beta$ -Radiating radionuclides in cancer treatment, novel insight into promising approach. <i>Pharmacological Research</i> , <b>2020</b> , 160, 105070	10.2	6
152	Cell spheroid fusion: beyond liquid drops model. <i>Scientific Reports</i> , <b>2020</b> , 10, 12614	4.9	14
151	Viscoelasticity and Volume of Cortical Neurons under Glutamate Excitotoxicity and Osmotic Challenges. <i>Biophysical Journal</i> , <b>2020</b> , 119, 1712-1723	2.9	5
150	Evaluation of Supercritical CO-Assisted Protocols in a Model of Ovine Aortic Root Decellularization. <i>Molecules</i> , <b>2020</b> , 25,	4.8	4
149	Mechanical properties of anterior lens capsule assessed with AFM and nanoindenter in relation to human aging, pseudoexfoliation syndrome, and trypan blue staining. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2020</b> , 112, 104081	4.1	3
148	Nanomechanical properties of enucleated cells: contribution of the nucleus to the passive cell mechanics. <i>Journal of Nanobiotechnology</i> , <b>2020</b> , 18, 134	9.4	7



147	Multicomponent Non-Woven Fibrous Mats with Balanced Processing and Functional Properties. <i>Polymers</i> , <b>2020</b> , 12,	4.5	3
146	Viscoelasticity in simple indentation-cycle experiments: a computational study. <i>Scientific Reports</i> , <b>2020</b> , 10, 13302	4.9	7
145	Photocurable Polymer Composition Based on Heat-Resistant Aromatic Polyamide for the Formation of Optical Elements by Two-Photon Polymerization. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2020</b> , 128, 909-914	0.7	3
144	Polymer-Based Nanomaterials for Noninvasive Cancer Photothermal Therapy. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 4289-4305	4.3	16
143	Tailoring the collagen film structural properties via direct laser crosslinking of star-shaped polylactide for robust scaffold formation. <i>Materials Science and Engineering C</i> , <b>2020</b> , 107, 110300	8.3	13
142	Coating of polylactide films by chitosan: Comparison of methods. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48287	2.9	3
141	Dinitrosyl Iron Complexes in the Sensitized Oxidation of Organic Substrates. <i>Russian Journal of Physical Chemistry A</i> , <b>2019</b> , 93, 1834-1841	0.7	1
140	Flexible Polycaprolactone and Polycaprolactone/Graphene Scaffolds for Tissue Engineering. <i>Materials</i> , <b>2019</b> , 12,	3.5	24
139	Robust thermostable polymer composition based on poly[N,N'-(1,3-phenylene)isophthalamide] and 3,3-bis(4-acrylamidophenyl)phthalide for laser 3D printing. <i>Mendeleev Communications</i> , <b>2019</b> , 29, 223-225	1.9	5
138	The Inhibiting Effect of Dinitrosyl Iron Complexes with Thiol-containing Ligands on the Growth of Endometrioid Tumours in Rats with Experimental Endometriosis. <i>Cell Biochemistry and Biophysics</i> , <b>2019</b> , 77, 69-77	3.2	10
137	Viscoelastic mapping of cells based on fast force volume and PeakForce Tapping. <i>Soft Matter</i> , <b>2019</b> , 15, 5455-5463	3.6	26
136	Retinoic acid: A potential therapeutic agent for cryptorchidism infertility based on investigation of flutamide-induced cryptorchid rats in vivo and in vitro. <i>Reproductive Toxicology</i> , <b>2019</b> , 87, 108-117	3.4	5
135	Interrogating Parkinson's disease associated redox targets: Potential application of CRISPR editing. <i>Free Radical Biology and Medicine</i> , <b>2019</b> , 144, 279-292	7.8	9
134	Effect of Non-Thermal Plasma on Proliferative Activity and Adhesion of Multipotent Stromal Cells to Scaffolds Developed for Tissue-Engineered Constructs. <i>Bulletin of Experimental Biology and Medicine</i> , <b>2019</b> , 167, 182-188	0.8	1
133	Redox (phospho)lipidomics of signaling in inflammation and programmed cell death. <i>Journal of Leukocyte Biology</i> , <b>2019</b> , 106, 57-81	6.5	22
132	Biofabrication of tissue-specific extracellular matrix proteins to enhance the expansion and differentiation of skeletal muscle progenitor cells. <i>Applied Physics Reviews</i> , <b>2019</b> , 6, 021309	17.3	5
131	Chemical cross-linking of xenopericardial biomeshes: A bottom-up study of structural and functional correlations. <i>Xenotransplantation</i> , <b>2019</b> , 26, e12506	2.8	14
130	Skin tissue regeneration for burn injury. <i>Stem Cell Research and Therapy</i> , <b>2019</b> , 10, 94	8.3	103



129	Collagen fibrillar structures in vocal fold scarring and repair using stem cell therapy: a detailed histological, immunohistochemical and atomic force microscopy study. <i>Journal of Microscopy</i> , <b>2019</b> , 274, 55-68	1.9	8
128	Solvent-free synthesis and characterization of allyl chitosan derivatives.. <i>RSC Advances</i> , <b>2019</b> , 9, 20968-20975	0.7	12
127	Tissue Engineered Neural Constructs Composed of Neural Precursor Cells, Recombinant Spidroin and PRP for Neural Tissue Regeneration. <i>Scientific Reports</i> , <b>2019</b> , 9, 3161	4.9	28
126	Supercritical Carbon Dioxide: A Powerful Tool for Green Biomaterial Chemistry. <i>Russian Journal of Physical Chemistry B</i> , <b>2019</b> , 13, 1079-1087	1.2	5
125	The Influence of Effect of Polysaccharides and Polyvinylpyrrolidone on the Photocatalytic Activity of Chlorin e6 in Tryptophan Oxidation. <i>Russian Journal of Physical Chemistry A</i> , <b>2019</b> , 93, 2507-2514	0.7	2
124	Features of the modification of polylactide by (meth)acrylate groups in organic solvents. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1347, 012074	0.3	
123	Chitosan--oligo/polylactide copolymer non-woven fibrous mats containing protein: from solid-state synthesis to electrospinning.. <i>RSC Advances</i> , <b>2019</b> , 9, 37652-37659	3.7	9
122	Is it possible to combine photodynamic therapy and application of dinitrosyl iron complexes in the wound treatment?. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2019</b> , 83, 24-32	5	2
121	From Aggregates to Porous Three-Dimensional Scaffolds through a Mechanochemical Approach to Design Photosensitive Chitosan Derivatives. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	14
120	Early Effects of Ionizing Radiation on the Collagen Hierarchical Structure of Bladder and Rectum Visualized by Atomic Force Microscopy. <i>Microscopy and Microanalysis</i> , <b>2018</b> , 24, 38-48	0.5	4
119	UV-laser formation of 3D structures based on thermally stable heterochain polymers. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46463	2.9	5
118	Impregnation of Polycarbonate by Paramagnetic Probe 2,2,6,6-Tetramethyl-4-Hydroxy-Piperidine-1-Oxyl (TEMPOL) in Supercritical CO <sub>2</sub> . <i>Applied Magnetic Resonance</i> , <b>2018</b> , 49, 403-413	0.8	4
117	Angiogenic potential of spheroids from umbilical cord and adipose-derived multipotent mesenchymal stromal cells within fibrin gel. <i>Biomedical Materials (Bristol)</i> , <b>2018</b> , 13, 044108	3.5	21
116	Two-Photon Polymerization in Tissue Engineering <b>2018</b> , 71-98		6
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97	Osteoinducing scaffolds with multi-layered biointerface. <i>Biomedical Materials (Bristol)</i> , <b>2018</b> , 13, 054103	3.5	10
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