

Suming Li

List of Publications by Year in Descending Order

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Version: 2024-04-25

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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.

296
papers

11,873
citations

59
h-index

96
g-index

304
ext. papers

13,275
ext. citations

6.1
avg, IF

6.99
L-index

#	Paper	IF	Citations
296	Molecular interaction mechanisms of glycol chitosan self-healing hydrogel as a drug delivery system for gemcitabine and doxorubicin.. <i>Computational and Structural Biotechnology Journal</i> , 2022 , 20, 700-709	6.8	1
295	Three-dimensional printing of chitosan cryogel as injectable and shape recoverable scaffolds.. <i>Carbohydrate Polymers</i> , 2022 , 285, 119228	10.3	1
294	Creative transformation of biomedical polyurethanes: from biostable tubing to biodegradable smart materials. <i>Journal of Polymer Research</i> , 2022 , 29, 1	2.7	1
293	Regulatory RNAs, microRNA, long-non coding RNA and circular RNA roles in colorectal cancer stem cells.. <i>World Journal of Gastrointestinal Oncology</i> , 2022 , 14, 748-764	3.4	0
292	Delivery Capacity and Anticancer Ability of the Berberine-Loaded Gold Nanoparticles to Promote the Apoptosis Effect in Breast Cancer. <i>Cancers</i> , 2021 , 13,	6.6	2
291	Revealing the Phagosomal pH Regulation and Inflammation of Macrophages after Endocytosing Polyurethane Nanoparticles by A Ratiometric pH Nanosensor. <i>Advanced Biology</i> , 2021 , 5, e2000200		2
290	Adipose-Derived Mesenchymal Stem Cells From a Hypoxic Culture Improve Neuronal Differentiation and Nerve Repair. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 658099	5.7	3
289	Injectable Phenolic-Chitosan Self-Healing Hydrogel with Hierarchical Micelle Architectures and Fast Adhesiveness. <i>Chemistry of Materials</i> , 2021 , 33, 3945-3958	9.6	11
288	Biocompatibility, drug release, and anti-tumor effect of pH-sensitive micelles prepared from poly(2-ethyl-2-oxazoline)-poly(DL-lactide) block copolymers. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 4142-4152	3.2	
287	Development of emulsion gelatin gels for food application: Physicochemical, rheological, structural and thermal characterization. <i>International Journal of Biological Macromolecules</i> , 2021 , 182, 1-10	7.9	3
286	Chitosan 3D cell culture system promotes naïve-like features of human induced pluripotent stem cells: A novel tool to sustain pluripotency and facilitate differentiation. <i>Biomaterials</i> , 2021 , 268, 120575	15.6	15
285	Self-assembled micelles prepared from poly(D,L-lactide-co-glycolide)-poly(ethylene glycol) block copolymers for sustained release of valsartan. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 1262-1271	3.2	3
284	Anti-bacterial dynamic hydrogels prepared from O-carboxymethyl chitosan by dual imine bond crosslinking for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2021 , 167, 1146-1155	7.9	15
283	Cryogel/hydrogel biomaterials and acupuncture combined to promote diabetic skin wound healing through immunomodulation. <i>Biomaterials</i> , 2021 , 269, 120608	15.6	34
282	An anti-inflammatory gelatin hemostatic agent with biodegradable polyurethane nanoparticles for vulnerable brain tissue. <i>Materials Science and Engineering C</i> , 2021 , 121, 111799	8.3	5
281	Life science nanoarchitectonics at interfaces. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 1018-1032	7.8	9
280	Development of MOF Reinforcement for Structural Stability and Toughness Enhancement of Biodegradable Bioinks. <i>Biomacromolecules</i> , 2021 , 22, 1053-1064	6.9	3

279	A Biodegradable Chitosan-Polyurethane Cryogel with Switchable Shape Memory. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 9702-9713	9.5	10
278	An injectable, self-healing phenol-functionalized chitosan hydrogel with fast gelling property and visible light-crosslinking capability for 3D printing. <i>Acta Biomaterialia</i> , 2021 , 122, 211-219	10.8	19
277	Ag/GNS conductive laminated woven fabrics for EMI shielding applications. <i>Materials and Manufacturing Processes</i> , 2021 , 36, 1693-1700	4.1	1
276	Anti-Inflammatory Fibronectin-AgNP for Regulation of Biological Performance and Endothelial Differentiation Ability of Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
275	Biobased dynamic hydrogels by reversible imine bonding for controlled release of thymopentin. <i>Materials Science and Engineering C</i> , 2021 , 127, 112210	8.3	4
274	Nanogold-Carried Graphene Oxide: Anti-Inflammation and Increased Differentiation Capacity of Mesenchymal Stem Cells. <i>Nanomaterials</i> , 2021 , 11,	5.4	3
273	4D bioprintable self-healing hydrogel with shape memory and cryopreserving properties. <i>Biofabrication</i> , 2021 , 13,	10.5	6
272	Correlation between the composition of PLA-based folate targeted micelles and release of phosphonate derivative of betulin. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 65, 102717	4.5	1
271	Identification of potential descriptors of water-soluble fullerene derivatives responsible for antitumor effects on lung cancer cells via QSAR analysis. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 812-825	6.8	5
270	Antioxidant Activity and Biocompatibility of Fructo-Polysaccharides Extracted from a Wild Species of <i>Ornithogalum</i> from Lebanon. <i>Antioxidants</i> , 2021 , 10,	7.1	6
269	Nanoparticle-mediated tumor vaccines for personalized therapy: preparing tumor antigens or ?. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 2352-2366	7.3	1
268	Thermoresponsive and Conductive Chitosan-Polyurethane Biocompatible Thin Films with Potential Coating Application. <i>Polymers</i> , 2021 , 13,	4.5	6
267	Towards Nanomaterials-Based Biocompatible and Biodegradable Strain Sensors for Healthcare and Medical Applications. <i>Proceedings (mdpi)</i> , 2020 , 56, 17	0.3	
266	An Injectable, Electroconductive Hydrogel/Scaffold for Neural Repair and Motion Sensing. <i>Chemistry of Materials</i> , 2020 , 32, 10407-10422	9.6	13
265	Potential of stem cell therapy in intracerebral hemorrhage. <i>Molecular Biology Reports</i> , 2020 , 47, 4671-4688	8.8	1
264	Sardinelle protein isolate as a novel material for oil microencapsulation: Novel alternative for fish by-products valorisation. <i>Materials Science and Engineering C</i> , 2020 , 116, 111164	8.3	5
263	Optimization of polysaccharides extraction from a wild species of <i>Ornithogalum</i> combining ultrasound and maceration and their anti-oxidant properties. <i>International Journal of Biological Macromolecules</i> , 2020 , 161, 958-968	7.9	13
262	Self-assembled micelles prepared from bio-based hydroxypropyl methyl cellulose and polylactide amphiphilic block copolymers for anti-tumor drug release. <i>International Journal of Biological Macromolecules</i> , 2020 , 154, 39-47	7.9	13

261	Bioresorbable hydrogels prepared by photo-initiated crosslinking of diacrylated PTMC-PEG-PTMC triblock copolymers as potential carrier of antitumor drugs. <i>Saudi Pharmaceutical Journal</i> , 2020 , 28, 290-299	4.4	7
260	The electromagnetic shielding effectiveness of laminated fabrics using electronic printing. <i>Polymer Composites</i> , 2020 , 41, 2568-2577	3	1
259	Quantitative Bioimage Analysis of Passaging Effect on the Migratory Behavior of Human Mesenchymal Stem Cells During Spheroid Formation. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020 , 97, 394-406	4.6	2
258	Effective naked plasmid DNA delivery into stem cells by microextrusion-based transient-transfection system for in situ cardiac repair. <i>Cytotherapy</i> , 2020 , 22, 70-81	4.8	4
257	Synthesis and Self-Assembly of Hydroxypropyl Methyl Cellulose-block-Poly(ϵ -caprolactone) Copolymers as Nanocarriers of Lipophilic Drugs. <i>ACS Applied Nano Materials</i> , 2020 , 3, 4367-4375	5.6	6
256	Surface Modification by Nanobiomaterials for Vascular Tissue Engineering Applications. <i>Current Medicinal Chemistry</i> , 2020 , 27, 1634-1646	4.3	3
255	Biomaterials and neural regeneration. <i>Neural Regeneration Research</i> , 2020 , 15, 1243-1244	4.5	16
254	Biobased pH-responsive and self-healing hydrogels prepared from O-carboxymethyl chitosan and a 3-dimensional dynamer as cartilage engineering scaffold. <i>Carbohydrate Polymers</i> , 2020 , 244, 116471	10.3	22
253	Novel Thermosensitive Polymer-Modified Liposomes as Nano-Carrier of Hydrophobic Antitumor Drugs. <i>Journal of Pharmaceutical Sciences</i> , 2020 , 109, 2544-2552	3.9	7
252	Preparation of Polyurethane-Graphene Nanocomposite and Evaluation of Neurovascular Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 597-609	5.5	19
251	Post-assembly dimension-dependent face-selective etching of fullerene crystals. <i>Materials Horizons</i> , 2020 , 7, 787-795	14.4	21
250	Design of Bioinspired Emulsified Composite European Eel Gelatin and Protein Isolate-Based Food Packaging Film: Thermal, Microstructural, Mechanical, and Biological Features. <i>Coatings</i> , 2020 , 10, 26	2.9	5
249	Synthesis of Block Copolymer Brush by RAFT and Click Chemistry and Its Self-Assembly as a Thin Film. <i>Molecules</i> , 2020 , 25,	4.8	1
248	Mesenchymal stem cells from a hypoxic culture improve nerve regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020 , 14, 1804-1814	4.4	5
247	Enhanced Biocompatibility and Differentiation Capacity of Mesenchymal Stem Cells on Poly(dimethylsiloxane) by Topographically Patterned Dopamine. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 44393-44406	9.5	4
246	Design Strategies of Conductive Hydrogel for Biomedical Applications. <i>Molecules</i> , 2020 , 25,	4.8	23
245	Electromagnetic Shielding Effectiveness and Conductivity of PTFE/Ag/MWCNT Conductive Fabrics Using the Screen Printing Method. <i>Sustainability</i> , 2020 , 12, 5899	3.6	2
244	Semi-Interpenetrating Polymer Network of Hyaluronan and Chitosan Self-Healing Hydrogels for Central Nervous System Repair. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 40108-40120	9.5	34

243	Decellularized liver matrix as substrates for rescue of acute hepatocytes toxicity. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020 , 108, 1592-1602	3.5	10
242	A novel blue crab chitosan/protein composite hydrogel enriched with carotenoids endowed with distinguished wound healing capability: In vitro characterization and in vivo assessment. <i>Materials Science and Engineering C</i> , 2020 , 113, 110978	8.3	12
241	Fullerene Derivatives as Lung Cancer Cell Inhibitors: Investigation of Potential Descriptors Using QSAR Approaches. <i>International Journal of Nanomedicine</i> , 2020 , 15, 2485-2499	7.3	7
240	Hydrogels Based on Schiff Base Linkages for Biomedical Applications. <i>Molecules</i> , 2019 , 24,	4.8	118
239	Biocompatibility and paclitaxel/cisplatin dual-loading of nanotubes prepared from poly(ethylene glycol)-polylactide-poly(ethylene glycol) triblock copolymers for combination cancer therapy. <i>Saudi Pharmaceutical Journal</i> , 2019 , 27, 1025-1035	4.4	6
238	Biocompatibility and degradation studies of poly(L-lactide-co-trimethylene carbonate) copolymers as cardiac occluders. <i>Materialia</i> , 2019 , 7, 100414	3.2	3
237	Novel self-assembled micelles of amphiphilic poly(2-ethyl-2-oxazoline) -poly(L-lactide) diblock copolymers for sustained drug delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 566, 120-127	5.1	15
236	Biocompatible Nanogold Carrier Coated with Hyaluronic Acid for Efficient Delivery of Plasmid or siRNA to Mesenchymal Stem Cells.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 1017-1030	4.1	5
235	Angiogenic potential of co-spheroids of neural stem cells and endothelial cells in injectable gelatin-based hydrogel. <i>Materials Science and Engineering C</i> , 2019 , 99, 140-149	8.3	12
234	Novel thermo-responsive micelles prepared from amphiphilic hydroxypropyl methyl cellulose-block-JEFFAMINE copolymers. <i>International Journal of Biological Macromolecules</i> , 2019 , 135, 38-45	7.9	16
233	Improved antioxidant activity and oxidative stability of spray dried European eel (<i>Anguilla anguilla</i>) oil microcapsules: Effect of emulsification process and eel protein isolate concentration. <i>Materials Science and Engineering C</i> , 2019 , 104, 109867	8.3	10
232	Novel chitosan/ellulose nanofiber self-healing hydrogels to correlate self-healing properties of hydrogels with neural regeneration effects. <i>NPG Asia Materials</i> , 2019 , 11,	10.3	69
231	Biomaterial substrate-derived compact cellular spheroids mimicking the behavior of pancreatic cancer and microenvironment. <i>Biomaterials</i> , 2019 , 213, 119202	15.6	24
230	Self-Assembled Nanosheets: Optogenetic Modulation and Reprogramming of Bacteriorhodopsin-Transfected Human Fibroblasts on Self-Assembled Fullerene C60 Nanosheets (Adv. Biosys. 2/2019). <i>Advanced Biology</i> , 2019 , 3, 1970023	3.5	
229	Cellular Spheroids of Mesenchymal Stem Cells and Their Perspectives in Future Healthcare. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 627	2.6	18
228	A gelatin/collagen/polycaprolactone scaffold for skin regeneration. <i>PeerJ</i> , 2019 , 7, e6358	3.1	10
227	Synthesis and self-assembly of AB-type amphiphilic copolymers from biobased hydroxypropyl methyl cellulose and poly(L-lactide). <i>Carbohydrate Polymers</i> , 2019 , 211, 133-140	10.3	9
226	Composites of waterborne polyurethane and cellulose nanofibers for 3D printing and bioapplications. <i>Carbohydrate Polymers</i> , 2019 , 212, 75-88	10.3	66

225	Double-Network Polyurethane-Gelatin Hydrogel with Tunable Modulus for High-Resolution 3D Bioprinting. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 32746-32757	9.5	39
224	Smart polymers for cell therapy and precision medicine. <i>Journal of Biomedical Science</i> , 2019 , 26, 73	13.3	33
223	Biodegradable water-based polyurethane scaffolds with a sequential release function for cell-free cartilage tissue engineering. <i>Acta Biomaterialia</i> , 2019 , 88, 301-313	10.8	31
222	Drug release and biocompatibility of self-assembled micelles prepared from poly (ε-caprolactone/glycolide)-poly (ethylene glycol) block copolymers. <i>Polymers for Advanced Technologies</i> , 2019 , 30, 40-50	3.2	4
221	Nanoarchitectonic-Based Material Platforms for Environmental and Bioprocessing Applications. <i>Chemical Record</i> , 2019 , 19, 1891-1912	6.6	14
220	Structural characterization, antioxidant and antibacterial activities of a novel polysaccharide from <i>Periploca laevigata</i> root barks. <i>Carbohydrate Polymers</i> , 2019 , 206, 380-388	10.3	59
219	Optogenetic Modulation and Reprogramming of Bacteriorhodopsin-Transfected Human Fibroblasts on Self-Assembled Fullerene C60 Nanosheets. <i>Advanced Biology</i> , 2019 , 3, e1800254	3.5	12
218	Molecular Structures and Mechanisms of Waterborne Biodegradable Polyurethane Nanoparticles. <i>Computational and Structural Biotechnology Journal</i> , 2019 , 17, 110-117	6.8	8
217	Bioresorbable filomicelles for targeted delivery of betulin derivative - In vitro study. <i>International Journal of Pharmaceutics</i> , 2019 , 557, 43-52	6.5	10
216	Effect of cellulose nanocrystals on scaffolds comprising chitosan, alginate and hydroxyapatite for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2019 , 121, 814-821	7.9	57
215	Bioactive composite films with chitosan and carotenoproteins extract from blue crab shells: Biological potential and structural, thermal, and mechanical characterization. <i>Food Hydrocolloids</i> , 2019 , 89, 802-812	10.6	31
214	Protein adsorption and macrophage uptake of zwitterionic sulfobetaine containing micelles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 167, 252-259	6	7
213	Physicochemical, textural, rheological and microstructural properties of protein isolate gels produced from European eel (<i>Anguilla anguilla</i>) by heat-induced gelation process. <i>Food Hydrocolloids</i> , 2018 , 82, 278-287	10.6	10
212	Cell reprogramming by 3D bioprinting of human fibroblasts in polyurethane hydrogel for fabrication of neural-like constructs. <i>Acta Biomaterialia</i> , 2018 , 70, 57-70	10.8	37
211	Functional engineered mesenchymal stem cells with fibronectin-gold composite coated catheters for vascular tissue regeneration. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 699-711	6	13
210	Self-assembled filomicelles prepared from polylactide-poly(ethylene glycol) diblock copolymers for sustained delivery of cycloproberberine derivatives. <i>Saudi Pharmaceutical Journal</i> , 2018 , 26, 342-348	4.4	9
209	Biodegradable Water-Based Polyurethane Shape Memory Elastomers for Bone Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 1397-1406	5.5	76
208	Recent development of transcatheter closure of atrial septal defect and patent foramen ovale with occluders. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 433-443	3.5	10

207	Biocompatibility evaluation of self-assembled micelles prepared from poly(lactide-co-glycolide)-poly(ethylene glycol) diblock copolymers. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 205-215	3.2	7
206	A simple and efficient feeder-free culture system to up-scale iPSCs on polymeric material surface for use in 3D bioprinting. <i>Materials Science and Engineering C</i> , 2018 , 82, 69-79	8.3	10
205	Non-viral delivery of an optogenetic tool into cells with self-healing hydrogel. <i>Biomaterials</i> , 2018 , 174, 31-40	15.6	26
204	Synthesis and Characterization of Dual Stimuli-Sensitive Biodegradable Polyurethane Soft Hydrogels for 3D Cell-Laden Bioprinting. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 29273-29287	9.5	54
203	Intervertebral disc needle puncture injury can be repaired using a gelatin-poly (L-glutamic acid) hydrogel: an in vitro bovine biomechanical validation. <i>European Spine Journal</i> , 2018 , 27, 2631-2638	2.7	9
202	Self-assembled micelles prepared from poly(ϵ -caprolactone)-poly(ethylene glycol) and poly(ϵ -caprolactone/glycolide)-poly(ethylene glycol) block copolymers for sustained drug delivery. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45732	2.9	13
201	Effects of chemical composition on the in vitro degradation of micelles prepared from poly(D,L-lactide-co-glycolide)-poly(ethylene glycol) block copolymers. <i>Polymer Degradation and Stability</i> , 2018 , 158, 202-211	4.7	9
200	Evaluation and characterization of waterborne biodegradable polyurethane films for the prevention of tendon postoperative adhesion. <i>International Journal of Nanomedicine</i> , 2018 , 13, 5485-5497	7.3	22
199	Synthesis and Biomedical Applications of Self-healing Hydrogels. <i>Frontiers in Chemistry</i> , 2018 , 6, 449	5	93
198	Polyurethane Nanoparticle-Loaded Fenofibrate Exerts Inhibitory Effects on Nonalcoholic Fatty Liver Disease in Mice. <i>Molecular Pharmaceutics</i> , 2018 , 15, 4550-4557	5.6	8
197	Composites of poly(L-lactide-trimethylene carbonate-glycolide) and surface modified SBA-15 as bone repair material. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 1322-1333	3.2	5
196	Modulation of Macrophage Phenotype by Biodegradable Polyurethane Nanoparticles: Possible Relation between Macrophage Polarization and Immune Response of Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 19436-19448	9.5	42
195	Novel flexible nerve conduits made of water-based biodegradable polyurethane for peripheral nerve regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 1383-1392	5.4	35
194	Peripheral Nerve Tissue Engineering and Regeneration Observed Using MRI 2017 , 367-382		1
193	Preparation, Characterization, and Mechanism for Biodegradable and Biocompatible Polyurethane Shape Memory Elastomers. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 5419-5429	9.5	78
192	Glucose-sensitive self-healing hydrogel as sacrificial materials to fabricate vascularized constructs. <i>Biomaterials</i> , 2017 , 133, 20-28	15.6	65
191	Biocompatibility of filomicelles prepared from poly(ethylene glycol)-polylactide diblock copolymers as potential drug carrier. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017 , 28, 1677-1694	3.5	7
190	Fabrication and characterization of composites composed of a bioresorbable polyester matrix and surface modified calcium carbonate whisker for bone regeneration. <i>Polymers for Advanced Technologies</i> , 2017 , 28, 1892-1901	3.2	6

189	Chitosan promotes cancer progression and stem cell properties in association with Wnt signaling in colon and hepatocellular carcinoma cells. <i>Scientific Reports</i> , 2017 , 8, 45751	4.9	30
188	Effect of polymer degradation on prolonged release of paclitaxel from filomicelles of polylactide/poly(ethylene glycol) block copolymers. <i>Materials Science and Engineering C</i> , 2017 , 75, 918-925	8.3	23
187	A novel biodegradable self-healing hydrogel to induce blood capillary formation. <i>NPG Asia Materials</i> , 2017 , 9, e363-e363	10.3	89
186	Synthesis and Self-Assembly of Amphiphilic Block Copolymers from Biobased Hydroxypropyl Methyl Cellulose and Poly(L-lactide). <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1600558	2.6	16
185	A facile method to prepare superparamagnetic iron oxide and hydrophobic drug-encapsulated biodegradable polyurethane nanoparticles. <i>International Journal of Nanomedicine</i> , 2017 , 12, 1775-1789	7.3	22
184	TRAIL-functionalized gold nanoparticles selectively trigger apoptosis in polarized macrophages. <i>Nanotheranostics</i> , 2017 , 1, 326-337	5.6	15
183	Biomaterial Substrate-Mediated Multicellular Spheroid Formation and Their Applications in Tissue Engineering. <i>Biotechnology Journal</i> , 2017 , 12, 1700064	5.6	21
182	Chitosan derived co-spheroids of neural stem cells and mesenchymal stem cells for neural regeneration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 158, 527-538	6	17
181	Evaluation of bioresorbable polymers as potential stent material: In vivo degradation behavior and histocompatibility. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	9
180	Using 3D bioprinting to produce mini-brain. <i>Neural Regeneration Research</i> , 2017 , 12, 1595-1596	4.5	18
179	Design and Development of a Novel Frozen-Form Additive Manufacturing System for Tissue Engineering Applications. <i>3D Printing and Additive Manufacturing</i> , 2016 , 3, 216-225	4	8
178	Biodegradable polymer scaffolds. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 7493-7505	7.3	45
177	Composites of poly(L-lactide-trimethylene carbonate-glycolide) and surface modified calcium carbonate whiskers as a potential bone substitute material. <i>RSC Advances</i> , 2016 , 6, 57762-57772	3.7	8
176	Substrate-mediated reprogramming of human fibroblasts into neural crest stem-like cells and their applications in neural repair. <i>Biomaterials</i> , 2016 , 102, 148-61	15.6	22
175	Chitosan-hyaluronan based 3D co-culture platform for studying the crosstalk of lung cancer cells and mesenchymal stem cells. <i>Acta Biomaterialia</i> , 2016 , 42, 157-167	10.8	27
174	Multidrug PLA-PEG filomicelles for concurrent delivery of anticancer drugs-The influence of drug-drug and drug-polymer interactions on drug loading and release properties. <i>International Journal of Pharmaceutics</i> , 2016 , 510, 365-74	6.5	28
173	Water-based polyurethane 3D printed scaffolds with controlled release function for customized cartilage tissue engineering. <i>Biomaterials</i> , 2016 , 83, 156-68	15.6	166
172	Human pluripotent stem cell (PSC)-derived mesenchymal stem cells (MSCs) show potent neurogenic capacity which is enhanced with cytoskeletal rearrangement. <i>Oncotarget</i> , 2016 , 7, 43949-43959	3.3	15

171	Thermo-Responsive Polyurethane Hydrogels Based on Poly(ϵ -caprolactone) Diol and Amphiphilic Poly(lactide-Poly(Ethylene Glycol) Block Copolymers. <i>Polymers</i> , 2016 , 8,	4.5	20
170	Accumulation and Toxicity of Superparamagnetic Iron Oxide Nanoparticles in Cells and Experimental Animals. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	66
169	Synthesis of water-based cationic polyurethane for antibacterial and gene delivery applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 146, 825-32	6	23
168	Self-patterning of adipose-derived mesenchymal stem cells and chondrocytes cocultured on hyaluronan-grafted chitosan surface. <i>Biointerphases</i> , 2016 , 11, 011011	1.8	4
167	Prominent Vascularization Capacity of Mesenchymal Stem Cells in Collagen-Gold Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 28982-29000	9.5	16
166	Segmentation and tracking of stem cells in time lapse microscopy to quantify dynamic behavioral changes during spheroid formation. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015 , 87, 491-502	4.6	5
165	In vivo degradation of copolymers prepared from L-lactide, 1,3-trimethylene carbonate and glycolide as coronary stent materials. <i>Journal of Materials Science: Materials in Medicine</i> , 2015 , 26, 139	4.5	15
164	Nanosheet transfection: effective transfer of naked DNA on silica glass. <i>NPG Asia Materials</i> , 2015 , 7, e18426	18.4	26
163	Fast isolation and expansion of multipotent cells from adipose tissue based on chitosan-selected primary culture. <i>Biomaterials</i> , 2015 , 65, 154-62	15.6	4
162	Thermo-responsive drug release from self-assembled micelles of brush-like PLA/PEG analogues block copolymers. <i>International Journal of Pharmaceutics</i> , 2015 , 491, 152-61	6.5	44
161	Cell Positioning by Patterned Nanowires. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015 , 25, 312-317	3.2	1
160	Self-assembled filomicelles prepared from polylactide/poly(ethylene glycol) block copolymers for anticancer drug delivery. <i>International Journal of Pharmaceutics</i> , 2015 , 485, 357-64	6.5	48
159	In vitro biocompatibility evaluation of bioresorbable copolymers prepared from L-lactide, 1, 3-trimethylene carbonate, and glycolide for cardiovascular applications. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2015 , 26, 497-514	3.5	22
158	Microstructure-property relationship of l-lactide/trimethylene carbonate/glycolide terpolymers as cardiovascular stent material. <i>European Polymer Journal</i> , 2015 , 66, 429-436	5.2	16
157	An Injectable, Self-Healing Hydrogel to Repair the Central Nervous System. <i>Advanced Materials</i> , 2015 , 27, 3518-24	24	366
156	Design and Development of Immunomodulatory Antigen Delivery Systems Based on Peptide/PEG-PLA Conjugate for Tuning Immunity. <i>Biomacromolecules</i> , 2015 , 16, 3666-73	6.9	27
155	Enhanced Autophagy of Adipose-Derived Stem Cells Grown on Chitosan Substrates. <i>BioResearch Open Access</i> , 2015 , 4, 89-96	2.4	11
154	3D bioprinting of neural stem cell-laden thermoresponsive biodegradable polyurethane hydrogel and potential in central nervous system repair. <i>Biomaterials</i> , 2015 , 71, 48-57	15.6	297

153	Reverse micelles prepared from amphiphilic polylactide-b-poly(ethylene glycol) block copolymers for controlled release of hydrophilic drugs. <i>International Journal of Pharmaceutics</i> , 2015 , 495, 154-161	6.5	19
152	Review: Polymeric-Based 3D Printing for Tissue Engineering. <i>Journal of Medical and Biological Engineering</i> , 2015 , 35, 285-292	2.2	131
151	Synthesis and characterization of waterborne polyurethane containing poly(3-hydroxybutyrate) as new biodegradable elastomers. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 9089-9097	7.3	22
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147	Stability of biodegradable waterborne polyurethane films in buffered saline solutions. <i>Biointerphases</i> , 2015 , 10, 031006	1.8	3
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3	New insights on the degradation of bioresorbable polymeric devices based on lactic and glycolic acids. <i>Clinical Materials</i> , 1992 , 10, 3-8		111
2	More about the degradation of LA/GA-derived matrices in aqueous media. <i>Journal of Controlled Release</i> , 1991 , 16, 15-26	11.7	234
1	Structure-property relationships in the case of the degradation of massive poly(alpha-hydroxy acids) in aqueous media. <i>Journal of Materials Science: Materials in Medicine</i> , 1990 , 1, 198-206	4.5	380