

Subramanian Venkatraman

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.

260
papers

9,771
citations

52
h-index

87
g-index

273
ext. papers

10,903
ext. citations

6.4
avg, IF

6.4
L-index

#	Paper	IF	Citations
260	Progress in drug-delivery systems in cardiovascular applications: stents, balloons and nanoencapsulation.. <i>Nanomedicine</i> , 2022 ,	5.6	2
259	Nanoparticles-reinforced poly-l-lactic acid composite materials as bioresorbable scaffold candidates for coronary stents: Insights from mechanical and finite element analysis. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022 , 125, 104977	4.1	1
258	Designing siRNA/chitosan-methacrylate complex nanolipogel for prolonged gene silencing effects.. <i>Scientific Reports</i> , 2022 , 12, 3527	4.9	1
257	Polymer blends and polymer composites for cardiovascular implants. <i>European Polymer Journal</i> , 2021 , 146, 110249	5.2	18
256	In vivo fate of liposomes after subconjunctival ocular delivery. <i>Journal of Controlled Release</i> , 2021 , 329, 162-174	11.7	6
255	Layer-by-layer coated nanoliposomes for oral delivery of insulin. <i>Nanoscale</i> , 2021 , 13, 776-789	7.7	14
254	Anti-inflammatory potential of simvastatin loaded nanoliposomes in 2D and 3D foam cell models. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021 , 37, 102434	6	0
253	Biomimetic vs. Direct Approach to Deposit Hydroxyapatite on the Surface of Low Melting Point Polymers for Tissue Engineering. <i>Nanomaterials</i> , 2020 , 10,	5.4	2
252	Bioresorbable Polymeric Scaffold in Cardiovascular Applications. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	20
251	Robust Fabrication of Composite 3D Scaffolds with Tissue-Specific Bioactivity: A Proof-of-Concept Study.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 4974-4986	4.1	1
250	Microfluidic-directed self-assembly of liposomes: Role of interdigitation. <i>Journal of Colloid and Interface Science</i> , 2020 , 578, 47-57	9.3	4
249	Targeting efficiency of nanoliposomes on atherosclerotic foam cells: polyethylene glycol-to-ligand ratio effects. <i>Expert Opinion on Drug Delivery</i> , 2020 , 17, 1165-1176	8	5
248	Liposomal Nanotherapy for Treatment of Atherosclerosis. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000465	11.5	10
247	Inclusion of Cross-Linked Elastin in Gelatin/PEG Hydrogels Favourably Influences Fibroblast Phenotype. <i>Polymers</i> , 2020 , 12,	4.5	7
246	Bio-absorbable Cardiovascular Implants: Status and Prognosis. <i>Jom</i> , 2020 , 72, 1833-1844	2.1	3
245	Nanolipogels as a cell-mimicking platform for controlled release of biomacromolecules. <i>Nanoscale Advances</i> , 2020 , 2, 1040-1045	5.1	1
244	Surface modification of corneal prosthesis with nano-hydroxyapatite to enhance in vivo biointegration. <i>Acta Biomaterialia</i> , 2020 , 107, 299-312	10.8	5

243	Bioresorbable metals in cardiovascular stents: Material insights and progress. <i>Materialia</i> , 2020 , 12, 100737	11
242	The magic bullet as cancer therapeutic has nanotechnology failed to find its mark?. <i>Progress in Biomedical Engineering</i> , 2020 , 2, 042004	7.2 3
241	Matching Static and Dynamic Compliance of Small-Diameter Arteries, with Poly(lactide-co-caprolactone) Copolymers: In Vitro and In Vivo Studies. <i>Macromolecular Bioscience</i> , 2020 , 20, e1900234	5.5 7
240	Adventitial injection delivery of nano-encapsulated sirolimus (Nanolimus) to injury-induced porcine femoral vessels to reduce luminal restenosis. <i>Journal of Controlled Release</i> , 2020 , 319, 15-24	11.7 9
239	Potential of subconjunctival aflibercept in treating choroidal neovascularization. <i>Experimental Eye Research</i> , 2020 , 199, 108187	3.7 4
238	Interpenetrating Network of Alginate-Human Adipose Extracellular Matrix Hydrogel for Islet Cells Encapsulation. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000275	4.8 8
237	Hollow Microcapsules as Periocular Drug Depot for Sustained Release of Anti-VEGF Protein. <i>Pharmaceutics</i> , 2019 , 11,	6.4 4
236	Recent Advances in Chitosan-Based Carriers for Gene Delivery. <i>Marine Drugs</i> , 2019 , 17,	6 115
235	Surface Immobilization of Nano-Silver on Polymeric Medical Devices to Prevent Bacterial Biofilm Formation. <i>Pathogens</i> , 2019 , 8,	4.5 19
234	Polymeric Nanomaterials 2019 , 557-653	12
233	A bilayer swellable drug-eluting ureteric stent: Localized drug delivery to treat urothelial diseases. <i>Biomaterials</i> , 2018 , 165, 25-38	15.6 20
232	Biological and mechanical interplay at the Macro- and Microscales Modulates the Cell-Niche Fate. <i>Scientific Reports</i> , 2018 , 8, 3937	4.9 7
231	Nitric Oxide-Delivering High-Density Lipoprotein-like Nanoparticles as a Biomimetic Nanotherapy for Vascular Diseases. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 6904-6916	9.5 28
230	Tailoring the mechanical and biodegradable properties of binary blends of biomedical thermoplastic elastomer. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 79, 64-72	4.1 7
229	Bioresorbable Scaffold Stability and Mechanical Properties 2018 , 641-658	1
228	Bioprinted gelatin hydrogel platform promotes smooth muscle cell contractile phenotype maintenance. <i>Biomedical Microdevices</i> , 2018 , 20, 32	3.7 24
227	Fabrication of poly (butadiene-block-ethylene oxide) based amphiphilic polymersomes: An approach for improved oral pharmacokinetics of Sorafenib. <i>International Journal of Pharmaceutics</i> , 2018 , 542, 196-204	6.5 10
226	A Biodegradable, Sustained-Released, Tacrolimus Microfilm Drug Delivery System for the Management of Allergic Conjunctivitis in a Mouse Model 2018 , 59, 675-684	11

225	Targeted therapy for the post-operative conjunctiva: SPARC silencing reduces collagen deposition. <i>British Journal of Ophthalmology</i> , 2018 , 102, 1460-1470	5.5	10
224	Controlled-release nanotherapeutics: State of translation. <i>Journal of Controlled Release</i> , 2018 , 284, 39-48	1.7	32
223	Precision nanomedicine in atherosclerosis therapy: how far are we from reality?. <i>Precision Nanomedicine</i> , 2018 , 2, 230-244	1.2	3
222	Contact guidance for cardiac tissue engineering using 3D bioprinted gelatin patterned hydrogel. <i>Biofabrication</i> , 2018 , 10, 025003	10.5	92
221	Microneedle-Assisted Topical Delivery of Photodynamically Active Mesoporous Formulation for Combination Therapy of Deep-Seated Melanoma. <i>ACS Nano</i> , 2018 , 12, 11936-11948	16.7	79
220	The Potential of Fluocinolone Acetonide to Mitigate Inflammation and Lipid Accumulation in 2D and 3D Foam Cell Cultures. <i>BioMed Research International</i> , 2018 , 2018, 3739251	3	9
219	Radiopaque Fully Degradable Nanocomposites for Coronary Stents. <i>Scientific Reports</i> , 2018 , 8, 17409	4.9	12
218	Topical Delivery of Senicapoc Nanoliposomal Formulation for Ocular Surface Treatments. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	10
217	One-step solid-oil-water emulsion for sustained bioactive ranibizumab release. <i>Expert Opinion on Drug Delivery</i> , 2018 , 15, 1143-1156	8	4
216	Design and in vitro release study of siRNA loaded Layer by Layer nanoparticles with sustained gene silencing effect. <i>Expert Opinion on Drug Delivery</i> , 2018 , 15, 937-949	8	6
215	Water-Responsive Shape Recovery Induced Buckling in Biodegradable Photo-Cross-Linked Poly(ethylene glycol) (PEG) Hydrogel. <i>Accounts of Chemical Research</i> , 2017 , 50, 141-150	24.3	78
214	High-Density Lipoprotein-like Magnetic Nanostructures (HDL-MNS): Theranostic Agents for Cardiovascular Disease. <i>Chemistry of Materials</i> , 2017 , 29, 2276-2282	9.6	25
213	Drug delivery to the eye: what benefits do nanocarriers offer?. <i>Nanomedicine</i> , 2017 , 12, 683-702	5.6	93
212	Restoring the biophysical properties of decellularized patches through recellularization. <i>Biomaterials Science</i> , 2017 , 5, 1183-1194	7.4	13
211	Biohybrid cardiac ECM-based hydrogels improve long term cardiac function post myocardial infarction. <i>Acta Biomaterialia</i> , 2017 , 50, 220-233	10.8	74
210	Surface Modifications of the PMMA Optic of a Keratoprosthesis to Improve Biointegration. <i>Cornea</i> , 2017 , 36 Suppl 1, S15-S25	3.1	20
209	Evaluation of a Sustained-Release Prednisolone Acetate Biodegradable Subconjunctival Implant in a Non-Human Primate Model. <i>Translational Vision Science and Technology</i> , 2017 , 6, 9	3.3	4
208	Engineered nanoparticles for the detection, treatment and prevention of atherosclerosis: how close are we?. <i>Drug Discovery Today</i> , 2017 , 22, 1438-1446	8.8	14

207	Translation in cardiovascular stents and occluders: From biostable to fully degradable. <i>Bioengineering and Translational Medicine</i> , 2017 , 2, 156-169	14.8	10
206	Characterization of liposomal carriers for the trans-scleral transport of Ranibizumab. <i>Scientific Reports</i> , 2017 , 7, 16803	4.9	16
205	Modulating release of ranibizumab and aflibercept from thiolated chitosan-based hydrogels for potential treatment of ocular neovascularization. <i>Expert Opinion on Drug Delivery</i> , 2017 , 14, 913-925	8	19
204	Bioresorbable stents: Current and upcoming bioresorbable technologies. <i>International Journal of Cardiology</i> , 2017 , 228, 931-939	3.2	69
203	Protein delivery to the back of the eye: barriers, carriers and stability of anti-VEGF proteins. <i>Drug Discovery Today</i> , 2017 , 22, 416-423	8.8	34
202	In vivo Evaluation of Cenderitide-Eluting Stent (CES) II. <i>Annals of Biomedical Engineering</i> , 2016 , 44, 432-441	1.7	5
201	Materials technology in drug eluting balloons: Current and future perspectives. <i>Journal of Controlled Release</i> , 2016 , 239, 92-106	11.7	24
200	Automated Robotic Dispensing Technique for Surface Guidance and Bioprinting of Cells. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	7
199	Bioabsorbable radiopaque water-responsive shape memory embolization plug for temporary vascular occlusion. <i>Biomaterials</i> , 2016 , 102, 98-106	15.6	62
198	Photosensitizer anchored gold nanorods for targeted combinational photothermal and photodynamic therapy. <i>Chemical Communications</i> , 2016 , 52, 8854-7	5.8	57
197	Polycaprolactone-based biomaterials for tissue engineering and drug delivery: Current scenario and challenges. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016 , 65, 255-263	2.3	258
196	Sustained Antibiotic-Eluting Intra-Ocular Lenses: A New Approach. <i>PLoS ONE</i> , 2016 , 11, e0163857	3.7	11
195	Bioabsorbable vascular scaffold overexpansion: insights from in vitro post-expansion experiments. <i>EuroIntervention</i> , 2016 , 11, 1389-99	3.1	27
194	Singaporean Materials Science: What does the Future Hold? 2016 , 225-228		
193	Bioprinting and Differentiation of Stem Cells. <i>Molecules</i> , 2016 , 21,	4.8	88
192	Synthesis of stiffness-tunable and cell-responsive Gelatin-poly(ethylene glycol) hydrogel for three-dimensional cell encapsulation. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 2401-11	5.4	24
191	Nanofibril scaffold assisted MEMS artificial hydrogel neuromasts for enhanced sensitivity flow sensing. <i>Scientific Reports</i> , 2016 , 6, 19336	4.9	60
190	Functionalization of the Polymeric Surface with Bioceramic Nanoparticles via a Novel, Nonthermal Dip Coating Method. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 35565-35577	9.5	29

189	50 Years of Biomaterials Research in Singapore 2016 , 157-177		
188	5-Fluorouracil microencapsulation and impregnation in hyaluronic acid hydrogel as composite drug delivery system for ocular fibrosis. <i>Cogent Medicine</i> , 2016 , 3, 1182108	1.4	4
187	Drug, delivery and devices for diabetic retinopathy (3Ds in DR). <i>Expert Opinion on Drug Delivery</i> , 2016 , 13, 1625-1637	8	11
186	Natural myocardial ECM patch drives cardiac progenitor based restoration even after scarring. <i>Acta Biomaterialia</i> , 2016 , 44, 209-20	10.8	55
185	Study of stability and biophysical characterization of ranibizumab and aflibercept. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016 , 108, 156-167	5.7	24
184	Printing cell-laden gelatin constructs by free-form fabrication and enzymatic protein crosslinking. <i>Biomedical Microdevices</i> , 2015 , 17, 16	3.7	92
183	Bio-inspired micropatterned hydrogel to direct and deconstruct hierarchical processing of geometry-force signals by human mesenchymal stem cells during smooth muscle cell differentiation. <i>NPG Asia Materials</i> , 2015 , 7, e199-e199	10.3	40
182	Quantification of aldehyde terminated heparin by SEC-MALLS-UV for the surface functionalization of polycaprolactone biomaterials. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 132, 253-63	6	8
181	A biodegradable ocular implant for long-term suppression of intraocular pressure. <i>Drug Delivery and Translational Research</i> , 2015 , 5, 469-79	6.2	21
180	Accelerating the Translation of Nanomaterials in Biomedicine. <i>ACS Nano</i> , 2015 , 9, 6644-54	16.7	220
179	Nanomedicine: Size-Related Drug Delivery Applications, Including Periodontics and Endodontics 2015 , 71-95		
178	A fully biodegradable patent ductus arteriosus occlude. <i>Journal of Materials Science: Materials in Medicine</i> , 2015 , 26, 93	4.5	4
177	Shape/temperature memory phenomena in un-crosslinked poly-e-caprolactone (PCL). <i>European Polymer Journal</i> , 2015 , 72, 282-295	5.2	32
176	3D patterned substrates for bioartificial blood vessels - The effect of hydrogels on aligned cells on a biomaterial surface. <i>Acta Biomaterialia</i> , 2015 , 26, 159-68	10.8	31
175	Smooth Muscle Cell Alignment and Phenotype Control by Melt Spun Polycaprolactone Fibers for Seeding of Tissue Engineered Blood Vessels. <i>International Journal of Biomaterials</i> , 2015 , 2015, 434876	3.2	26
174	Novel Sensor-Enabled Ex Vivo Bioreactor: A New Approach towards Physiological Parameters and Porcine Artery Viability. <i>BioMed Research International</i> , 2015 , 2015, 958170	3	7
173	Surface Modification of PMMA to Improve Adhesion to Corneal Substitutes in a Synthetic Core-Skirt Keratoprosthesis. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 21690-702	9.5	34
172	Collagen-Based Artificial Corneal Scaffold with Anti-Infective Capability for Prevention of Perioperative Bacterial Infections. <i>ACS Biomaterials Science and Engineering</i> , 2015 , 1, 1324-1334	5.5	20

171	Pushing the envelope in tissue engineering: ex vivo production of thick vascularized cardiac extracellular matrix constructs. <i>Tissue Engineering - Part A</i> , 2015 , 21, 1507-19	3.9	32
170	A novel 3D printing method for cell alignment and differentiation. <i>International Journal of Bioprinting</i> , 2015 ,	6.2	10
169	Biomedical applications of shape-memory polymers: how practically useful are they?. <i>Science China Chemistry</i> , 2014 , 57, 476-489	7.9	38
168	Hyaluronic acid-based nanocomposite hydrogels for ocular drug delivery applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 3056-65	5.4	76
167	Biomaterials and design in occlusion devices for cardiac defects: a review. <i>Acta Biomaterialia</i> , 2014 , 10, 1088-101	10.8	33
166	Layer-by-layer nanoparticles as an efficient siRNA delivery vehicle for SPARC silencing. <i>Small</i> , 2014 , 10, 1790-8	11	47
165	Induction of myogenic differentiation of human mesenchymal stem cells cultured on Notch agonist (Jagged-1) modified biodegradable scaffold surface. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 1652-61	9.5	19
164	Influence of soluble PEG-OH incorporation in a 3D cell-laden PEG-fibrinogen (PF) hydrogel on smooth muscle cell morphology and growth. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014 , 25, 394-409	3.5	10
163	Characterization of a bioactive fiber scaffold with entrapped HUVECs in coaxial electrospun core-shell fiber. <i>Biomatter</i> , 2014 , 4, e28238		14
162	Tuning model drug release and soft-tissue bioadhesion of polyester films by plasma post-treatment. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 5749-58	9.5	29
161	Solid/Hollow depots for drug delivery, part 1: effect of drug characteristics and polymer molecular weight on the phase-inversion dynamics, depot morphology, and drug release. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 485-95	3.9	3
160	Shape memory/change effect in a double network nanocomposite tough hydrogel. <i>European Polymer Journal</i> , 2014 , 58, 41-51	5.2	38
159	Nanomedicine for glaucoma: sustained release latanoprost offers a new therapeutic option with substantial benefits over eyedrops. <i>Drug Delivery and Translational Research</i> , 2014 , 4, 303-9	6.2	43
158	The mechanical behavior and biocompatibility of polymer blends for Patent Ductus Arteriosus (PDA) occlusion device. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014 , 36, 143-60	4.1	13
157	Magnetic iron oxide nanoparticles: Synthesis and surface coating techniques for biomedical applications. <i>Chinese Physics B</i> , 2014 , 23, 037503	1.2	93
156	Sustained drug release in nanomedicine: a long-acting nanocarrier-based formulation for glaucoma. <i>ACS Nano</i> , 2014 , 8, 419-29	16.7	81
155	Sustained-release from nanocarriers: a review. <i>Journal of Controlled Release</i> , 2014 , 193, 122-38	11.7	152
154	In vitro evaluation of cenderitide-eluting stent I -an antirestenosis and proendothelization approach. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 3631-3640	3.9	5

153	Investigation of cenderitide controlled release platforms for potential local treatment of cardiovascular pathology. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 1400-10	3.9	4
152	Evaluation of a prednisolone acetate-loaded subconjunctival implant for the treatment of recurrent uveitis in a rabbit model. <i>PLoS ONE</i> , 2014 , 9, e97555	3.7	13
151	Has nanomedicine lived up to its promise?. <i>Nanotechnology</i> , 2014 , 25, 372501	3.4	25
150	A new design and application of bioelastomers for better control of intraocular pressure in a glaucoma drainage device. <i>Advanced Healthcare Materials</i> , 2014 , 3, 205-13	10.1	1
149	Release retardation of model protein on polyelectrolyte-coated PLGA nano- and microparticles. <i>PLoS ONE</i> , 2014 , 9, e92393	3.7	6
148	Formation of a nano-patterning NiTi surface with Ni-depleted superficial layer to promote corrosion resistance and endothelial cell-material interaction. <i>Journal of Materials Science: Materials in Medicine</i> , 2013 , 24, 105-14	4.5	16
147	Modulating drug release from poly(lactic-co-glycolic acid) thin films through terminal end-groups and molecular weight. <i>Polymer Degradation and Stability</i> , 2013 , 98, 619-626	4.7	25
146	Tuning drug release in polyester thin films: terminal end-groups determine specific rates of additive-free controlled drug release. <i>NPG Asia Materials</i> , 2013 , 5, e46-e46	10.3	28
145	Human mesenchymal stem-cell behaviour on direct laser micropatterned electrospun scaffolds with hierarchical structures. <i>Macromolecular Bioscience</i> , 2013 , 13, 299-310	5.5	40
144	A mathematical model predicting the coculture dynamics of endothelial and mesenchymal stem cells for tissue regeneration. <i>Tissue Engineering - Part A</i> , 2013 , 19, 1155-64	3.9	3
143	Fabrication of smart COC chips: Advantages of N-vinylpyrrolidone (NVP) monomer over other hydrophilic monomers. <i>Sensors and Actuators B: Chemical</i> , 2013 , 178, 86-95	8.5	15
142	Collagen-cellulose composite thin films that mimic soft-tissue and allow stem-cell orientation. <i>Journal of Materials Science: Materials in Medicine</i> , 2013 , 24, 2013-27	4.5	21
141	Layer-by-layer polyelectrolyte-polyester hybrid microcapsules for encapsulation and delivery of hydrophobic drugs. <i>Biomacromolecules</i> , 2013 , 14, 2262-71	6.9	46
140	The influence of additives in modulating drug delivery and degradation of PLGA thin films. <i>NPG Asia Materials</i> , 2013 , 5, e54-e54	10.3	35
139	A mathematical model for analyzing the elasticity, viscosity, and failure of soft tissue: comparison of native and decellularized porcine cardiac extracellular matrix for tissue engineering. <i>Tissue Engineering - Part C: Methods</i> , 2013 , 19, 620-30	2.9	22
138	Optimization of subconjunctival biodegradable microfilms for sustained drug delivery to the anterior segment in a small animal model 2013 , 54, 2607-15		17
137	Development of a novel biodegradable drug-eluting ventilation tube for chronic otitis media with effusion. <i>Laryngoscope</i> , 2013 , 123, 1770-7	3.6	9
136	In-vivo evaluation of an in situ polymer precipitation delivery system for a novel natriuretic peptide. <i>PLoS ONE</i> , 2013 , 8, e52484	3.7	4

135	Cenderitide-eluting film for potential cardiac patch applications. <i>PLoS ONE</i> , 2013 , 8, e68346	3.7	11
134	A biodegradable, sustained-released, prednisolone acetate microfilm drug delivery system effectively prolongs corneal allograft survival in the rat keratoplasty model. <i>PLoS ONE</i> , 2013 , 8, e70419	3.7	15
133	Synthesis and antitumor activity of lapathoside D and its analogs. <i>European Journal of Medicinal Chemistry</i> , 2012 , 53, 1-12	6.8	17
132	Importance of viscosity parameters in electrospinning: Of monolithic and core-shell fibers. <i>Materials Science and Engineering C</i> , 2012 , 32, 1037-1042	8.3	78
131	Triblock copolymers of ϵ -caprolactone, trimethylene carbonate, and L-lactide: effects of using random copolymer as hard-block. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2012 , 6, 80-8	4.1	15
130	A fully degradable tracheal stent: in vitro and in vivo characterization of material degradation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012 , 100, 693-9	3.5	16
129	Engineering of erythrocyte-based drug carriers: control of protein release and bioactivity. <i>Journal of Materials Science: Materials in Medicine</i> , 2012 , 23, 63-71	4.5	19
128	Surface modification of smooth poly(L-lactic acid) films for gelatin immobilization. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 687-93	9.5	36
127	Effect of polymer type on the dynamics of phase inversion and drug release in injectable in situ gelling systems. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012 , 23, 251-66	3.5	15
126	Randomized, controlled trial of a sustained delivery formulation of 5-fluorouracil for the treatment of failing blebs. <i>Ophthalmology</i> , 2012 , 119, 314-20	7.3	8
125	Synthesis and antiproliferative activity of helonioside A, 3',4',6'-tri-O-feruloylsucrose, lapathoside C and their analogs. <i>European Journal of Medicinal Chemistry</i> , 2012 , 58, 418-30	6.8	17
124	Anti-platelet and tissue engineering approaches to biomaterial blood compatibilization: how well have these been translated into the clinic?. <i>Drug Delivery and Translational Research</i> , 2012 , 2, 384-97	6.2	8
123	Biodegradable elastomers based on ABA triblocks: influence of end-block crystallinity on elastomeric character. <i>Polymer International</i> , 2012 , 61, 43-50	3.3	16
122	Electrospinning pure protein solutions in core-shell fibers. <i>Polymer International</i> , 2012 , 61, 1549-1555	3.3	12
121	Surface functionalization of nanoparticles to control cell interactions and drug release. <i>Small</i> , 2012 , 8, 2585-94	11	49
120	Cosolvent effects on the drug release and depot swelling in injectable in situ depot-forming systems. <i>Journal of Pharmaceutical Sciences</i> , 2012 , 101, 1783-93	3.9	33
119	Characterization and degradation of elastomeric four-armed star copolymers based on caprolactone and L-lactide. <i>Journal of Biomedical Materials Research - Part A</i> , 2012 , 100, 3436-45	5.4	15
118	Understanding the nano-topography changes and cellular influences resulting from the surface adsorption of human hair keratins. <i>Advanced Healthcare Materials</i> , 2012 , 1, 513-9	10.1	29

117	Photopolymerization of cell-encapsulating hydrogels: crosslinking efficiency versus cytotoxicity. <i>Acta Biomaterialia</i> , 2012 , 8, 1838-48	10.8	235
116	Novel gradient casting method provides high-throughput assessment of blended polyester poly(lactic-co-glycolic acid) thin films for parameter optimization. <i>Acta Biomaterialia</i> , 2012 , 8, 2263-70	10.8	20
115	Nanomedicine for glaucoma: liposomes provide sustained release of latanoprost in the eye. <i>International Journal of Nanomedicine</i> , 2012 , 7, 123-31	7.3	58
114	VAULT PROTEIN-TEMPLATED ASSEMBLIES OF NANOPARTICLES. <i>Nano</i> , 2012 , 07, 1250001	1.1	1
113	Thick acellular heart extracellular matrix with inherent vasculature: a potential platform for myocardial tissue regeneration. <i>Tissue Engineering - Part A</i> , 2012 , 18, 2125-37	3.9	64
112	Uniform Expansion of a Polymeric Helical Stent. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2012 , 6,	1.3	13
111	Endothelialization of Acellular Porcine ECM with Chemical Modification. <i>International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB)</i> , 2012 , 363-368	0.3	0
110	Effect of cell-seeding density on the proliferation and gene expression profile of human umbilical vein endothelial cells within ex vivo culture. <i>Cytotherapy</i> , 2011 , 13, 606-17	4.8	25
109	A Simple Method for Obtaining the Information of Orientation Distribution Using Polarized Raman Spectroscopy: Orientation Study of Structural Units in Poly(lactic acid). <i>Macromolecules</i> , 2011 , 44, 2120-2131	5.5	18
108	Single-layer graphene oxide sheet: a novel substrate for dip-pen nanolithography. <i>Chemical Communications</i> , 2011 , 47, 10070-2	5.8	15
107	A new insight for an old system: protein-PEG colocalization in relation to protein release from PCL/PEG blends. <i>Molecular Pharmaceutics</i> , 2011 , 8, 2173-82	5.6	17
106	Evaluation of sustained release of PLC-loaded prednisolone acetate microfilm on postoperative inflammation in an experimental model of glaucoma filtration surgery. <i>Current Eye Research</i> , 2011 , 36, 1123-8	2.9	15
105	Evaluating and Modeling the Mechanical Properties of the Prepared PLGA/nano-BCP Composite Scaffolds for Bone Tissue Engineering. <i>Journal of Materials Science and Technology</i> , 2011 , 27, 1105-1112	9.1	32
104	A Novel Biodegradable Septal Defect Occluder the "Chinese Lantern" Design, Proof of Concept. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2011 , 6, 221-230	1.5	1
103	Biocompatibility and biodegradation studies of subconjunctival implants in rabbit eyes. <i>PLoS ONE</i> , 2011 , 6, e22507	3.7	41
102	A novel biodegradable septal defect occluder: the "Chinese Lantern" design, proof of concept. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2011 , 6, 221-30	1.5	18
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