

# Nasim Annabi

## 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.

142  
papers

13,570  
citations

62  
h-index

116  
g-index

151  
ext. papers

16,253  
ext. citations

11.1  
avg, IF

6.66  
L-index

#	Paper	IF	Citations
142	Effect of gelatin methacryloyl hydrogel on healing of the guinea pig vaginal wall with or without mesh augmentation.. <i>International Urogynecology Journal</i> , <b>2022</b> , 1	2	0
141	Engineering a naturally derived hemostatic sealant for sealing internal organs.. <i>Materials Today Bio</i> , <b>2022</b> , 13, 100199	9.9	3
140	Recent advances in designing electroconductive biomaterials for cardiac tissue engineering.. <i>Advanced Healthcare Materials</i> , <b>2022</b> , e2200055	10.1	2
139	Template-Enabled Biofabrication of Thick Three-Dimensional Tissues with Patterned Perfusable Macro-Channels.. <i>Advanced Healthcare Materials</i> , <b>2021</b> , e2102123	10.1	2
138	Colloidal multiscale porous adhesive (bio)inks facilitate scaffold integration.. <i>Applied Physics Reviews</i> , <b>2021</b> , 8, 041415	17.3	4
137	Droplet-based microfluidics in biomedical applications. <i>Biofabrication</i> , <b>2021</b> ,	10.5	7
136	Nanoengineered Shear-Thinning Hydrogel Barrier for Preventing Postoperative Abdominal Adhesions. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 212	19.5	4
135	Development and characterization of a hydrogel-based adhesive patch for sealing open-globe injuries. <i>Acta Biomaterialia</i> , <b>2021</b> ,	10.8	5
134	Voices of biotech research. <i>Nature Biotechnology</i> , <b>2021</b> , 39, 281-286	44.5	1
133	Suturable elastomeric tubular grafts with patterned porosity for rapid vascularization of 3D constructs. <i>Biofabrication</i> , <b>2021</b> ,	10.5	4
132	Biomimetic nanoengineered scaffold for enhanced full-thickness cutaneous wound healing. <i>Acta Biomaterialia</i> , <b>2021</b> , 124, 191-204	10.8	25
131	A tissue-engineered human trabecular meshwork hydrogel for advanced glaucoma disease modeling. <i>Experimental Eye Research</i> , <b>2021</b> , 205, 108472	3.7	12
130	A new aspiration device equipped with a hydro-separator for acute ischemic stroke due to challenging soft and stiff clots. <i>Interventional Neuroradiology</i> , <b>2021</b> , 15910199211015060	1.9	1
129	Advanced nanodelivery platforms for topical ophthalmic drug delivery. <i>Drug Discovery Today</i> , <b>2021</b> , 26, 1437-1449	8.8	10
128	Nanoengineered shear-thinning and bioprintable hydrogel as a versatile platform for biomedical applications. <i>Biomaterials</i> , <b>2021</b> , 267, 120476	15.6	30
127	Growth factor-eluting hydrogels for management of corneal defects. <i>Materials Science and Engineering C</i> , <b>2021</b> , 120, 111790	8.3	2
126	Simultaneous targeting of primary tumor, draining lymph node, and distant metastases through high endothelial venule-targeted delivery. <i>Nano Today</i> , <b>2021</b> , 36,	17.9	9

125	Targeted nanomedicines for the treatment of bone disease and regeneration. <i>Medicinal Research Reviews</i> , <b>2021</b> , 41, 1221-1254	14.4	7
124	Multifunctional hydrogels for wound healing: Special focus on biomacromolecular based hydrogels. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 170, 728-750	7.9	37
123	Rational Design of Immunomodulatory Hydrogels for Chronic Wound Healing. <i>Advanced Materials</i> , <b>2021</b> , 33, e2100176	24	50
122	Stretchable and Bioadhesive Gelatin Methacryloyl-Based Hydrogels Enabled by Dopamine Polymerization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 40290-40301	9.5	12
121	Engineering elastic sealants based on gelatin and elastin-like polypeptides for endovascular anastomosis. <i>Bioengineering and Translational Medicine</i> , <b>2021</b> , 6, e10240	14.8	1
120	Selective Trafficking of Light Chain-Conjugated Nanoparticles to the Kidney and Renal Cell Carcinoma. <i>Nano Today</i> , <b>2020</b> , 35, 100990-100990	17.9	6
119	Gelatin Methacryloyl Bioadhesive Improves Survival and Reduces Scar Burden in a Mouse Model of Myocardial Infarction. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e014199	6	7
118	Cellular Mechanisms of Rejection of Optic and Sciatic Nerve Transplants: An Observational Study. <i>Transplantation Direct</i> , <b>2020</b> , 6, e589	2.3	1
117	Synthesis and characterization of osteoinductive visible light-activated adhesive composites with antimicrobial properties. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2020</b> , 14, 66-81	4.4	23
116	Human-Recombinant-Elastin-Based Bioinks for 3D Bioprinting of Vascularized Soft Tissues. <i>Advanced Materials</i> , <b>2020</b> , 32, e2003915	24	43
115	Ciprofloxacin-loaded bioadhesive hydrogels for ocular applications. <i>Biomaterials Science</i> , <b>2020</b> , 8, 5196-5209	20.9	21
114	Advances and limitations of drug delivery systems formulated as eye drops. <i>Journal of Controlled Release</i> , <b>2020</b> , 321, 1-22	11.7	86
113	Lysine-embedded cellulose-based nanosystem for efficient dual-delivery of chemotherapeutics in combination cancer therapy. <i>Carbohydrate Polymers</i> , <b>2020</b> , 250, 116861	10.3	13
112	Biomimetic proteoglycan nanoparticles for growth factor immobilization and delivery. <i>Biomaterials Science</i> , <b>2020</b> , 8, 1127-1136	7.4	9
111	Bioactive and Elastic Nanocomposites with Antimicrobial Properties for Bone Tissue Regeneration.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 3313-3325	4.1	21
110	An Antimicrobial Dental Light Curable Bioadhesive Hydrogel for Treatment of Peri-Implant Diseases. <i>Matter</i> , <b>2019</b> , 1, 926-944	12.7	43
109	Nanodelivery of Mycophenolate Mofetil to the Organ Improves Transplant Vasculopathy. <i>ACS Nano</i> , <b>2019</b> , 13, 12393-12407	16.7	13
108	Mechanical and Biochemical Stimulation of 3D Multilayered Scaffolds for Tendon Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , <b>2019</b> , 5, 2953-2964	5.5	41

107	Anti-IL-6 eluting immunomodulatory biomaterials prolong skin allograft survival. <i>Scientific Reports</i> , <b>2019</b> , 9, 6535	4.9	24
106	Sutureless repair of corneal injuries using naturally derived bioadhesive hydrogels. <i>Science Advances</i> , <b>2019</b> , 5, eaav1281	14.3	122
105	Engineering a naturally-derived adhesive and conductive cardiopatch. <i>Biomaterials</i> , <b>2019</b> , 207, 89-101	15.6	53
104	Breathable hydrogel dressings containing natural antioxidants for management of skin disorders. <i>Journal of Biomaterials Applications</i> , <b>2019</b> , 33, 1265-1276	2.9	23
103	Biomimetic cardiovascular platforms for in vitro disease modeling and therapeutic validation. <i>Biomaterials</i> , <b>2019</b> , 198, 78-94	15.6	14
102	Strategies to prevent dopamine oxidation and related cytotoxicity using various antioxidants and nitrogenation. <i>Emergent Materials</i> , <b>2019</b> , 2, 209-217	3.5	0
101	Bioprinting of a Cell-Laden Conductive Hydrogel Composite. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 30518-30533	9.5	66
100	Local Immunomodulation Using an Adhesive Hydrogel Loaded with miRNA-Laden Nanoparticles Promotes Wound Healing. <i>Small</i> , <b>2019</b> , 15, e1902232	11	104
99	Electrochemiluminescence methods using CdS quantum dots in aptamer-based thrombin biosensors: a comparative study. <i>Mikrochimica Acta</i> , <b>2019</b> , 187, 25	5.8	21
98	Rational Design of Microfabricated Electroconductive Hydrogels for Biomedical Applications. <i>Progress in Polymer Science</i> , <b>2019</b> , 92, 135-157	29.6	75
97	State-of-the-Art and Trends in Synthesis, Properties, and Application of Quantum Dots-Based Nanomaterials. <i>Particle and Particle Systems Characterization</i> , <b>2019</b> , 36, 1800302	3.1	16
96	Ocular adhesives: Design, chemistry, crosslinking mechanisms, and applications. <i>Biomaterials</i> , <b>2019</b> , 197, 345-367	15.6	42
95	Glial cells influence cardiac permittivity as evidenced through in vitro and in silico models. <i>Biofabrication</i> , <b>2019</b> , 12, 015014	10.5	7
94	Synthesis, characterization and in vitro evaluation of magnetic nanoparticles modified with PCL-PEG-PCL for controlled delivery of 5FU. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2018</b> , 46, 938-945	6.1	31
93	Tissue Regeneration: A Multifunctional Polymeric Periodontal Membrane with Osteogenic and Antibacterial Characteristics (Adv. Funct. Mater. 3/2018). <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1870021	15.6	4
92	Engineering Adhesive and Antimicrobial Hyaluronic Acid/Elastin-like Polypeptide Hybrid Hydrogels for Tissue Engineering Applications. <i>ACS Biomaterials Science and Engineering</i> , <b>2018</b> , 4, 2528-2540	5.5	58
91	Photocrosslinkable Gelatin/Tropoelastin Hydrogel Adhesives for Peripheral Nerve Repair. <i>Tissue Engineering - Part A</i> , <b>2018</b> , 24, 1393-1405	3.9	51
90	Electroconductive Gelatin Methacryloyl-PEDOT:PSS Composite Hydrogels: Design, Synthesis, and Properties. <i>ACS Biomaterials Science and Engineering</i> , <b>2018</b> , 4, 1558-1567	5.5	60

89	Recent advances on biomedical applications of scaffolds in wound healing and dermal tissue engineering. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2018</b> , 46, 691-705	6.1	107
88	Magnetic carbon nanotubes: preparation, physical properties, and applications in biomedicine. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2018</b> , 46, 1314-1330	6.1	38
87	Visible light crosslinkable human hair keratin hydrogels. <i>Bioengineering and Translational Medicine</i> , <b>2018</b> , 3, 37-48	14.8	38
86	Carbon quantum dots: recent progresses on synthesis, surface modification and applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2018</b> , 46, 1331-1348	6.1	89
85	Chaotic printing: using chaos to fabricate densely packed micro- and nanostructures at high resolution and speed. <i>Materials Horizons</i> , <b>2018</b> , 5, 813-822	14.4	20
84	Significant role of cationic polymers in drug delivery systems. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2018</b> , 46, 1872-1891	6.1	22
83	Targeting antigen-presenting cells by anti-PD-1 nanoparticles augments antitumor immunity. <i>JCI Insight</i> , <b>2018</b> , 3,	9.9	33
82	Characterization, mechanistic analysis and improving the properties of denture adhesives. <i>Dental Materials</i> , <b>2018</b> , 34, 120-131	5.7	8
81	pH- and thermo-sensitive MTX-loaded magnetic nanocomposites: synthesis, characterization, and in vitro studies on A549 lung cancer cell and MR imaging. <i>Drug Development and Industrial Pharmacy</i> , <b>2018</b> , 44, 452-462	3.6	24
80	A Multifunctional Polymeric Periodontal Membrane with Osteogenic and Antibacterial Characteristics. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1703437	15.6	111
79	Dissolvable Stents: 3D-Printed Sugar-Based Stents Facilitating Vascular Anastomosis (Adv. Healthcare Mater. 24/2018). <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, 1870088	10.1	
78	Ectopic high endothelial venules in pancreatic ductal adenocarcinoma: A unique site for targeted delivery. <i>EBioMedicine</i> , <b>2018</b> , 38, 79-88	8.8	12
77	3D-Printed Sugar-Based Stents Facilitating Vascular Anastomosis. <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, e1800702	10.1	20
76	Interpenetrating network gelatin methacryloyl (GelMA) and pectin-g-PCL hydrogels with tunable properties for tissue engineering. <i>Biomaterials Science</i> , <b>2018</b> , 6, 2938-2950	7.4	51
75	Anti-Ebola therapies based on monoclonal antibodies: current state and challenges ahead. <i>Critical Reviews in Biotechnology</i> , <b>2017</b> , 37, 53-68	9.4	18
74	Mussel-Inspired Multifunctional Hydrogel Coating for Prevention of Infections and Enhanced Osteogenesis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 11428-11439	9.5	132
73	Engineering Photocrosslinkable Bicomponent Hydrogel Constructs for Creating 3D Vascularized Bone. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1601122	10.1	42
72	Bioprinted Osteogenic and Vasculogenic Patterns for Engineering 3D Bone Tissue. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1700015	10.1	222

71	A highly adhesive and naturally derived sealant. <i>Biomaterials</i> , <b>2017</b> , 140, 115-127	15.6	122
70	Engineering a sprayable and elastic hydrogel adhesive with antimicrobial properties for wound healing. <i>Biomaterials</i> , <b>2017</b> , 139, 229-243	15.6	273
69	Structural analysis of photocrosslinkable methacryloyl-modified protein derivatives. <i>Biomaterials</i> , <b>2017</b> , 139, 163-171	15.6	96
68	Poly (Ethylene Glycol)-Based Hydrogels as Self-Inflating Tissue Expanders with Tunable Mechanical and Swelling Properties. <i>Macromolecular Bioscience</i> , <b>2017</b> , 17, 1600479	5.5	16
67	Engineering a highly elastic human protein-based sealant for surgical applications. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	170
66	Realization of tunable artificial synapse and memory based on amorphous oxide semiconductor transistor. <i>Scientific Reports</i> , <b>2017</b> , 7, 10997	4.9	15
65	Biodegradable elastic nanofibrous platforms with integrated flexible heaters for on-demand drug delivery. <i>Scientific Reports</i> , <b>2017</b> , 7, 9220	4.9	67
64	Integrin-Mediated Interactions Control Macrophage Polarization in 3D Hydrogels. <i>Advanced Healthcare Materials</i> , <b>2017</b> , 6, 1700289	10.1	101
63	Nanostructured Fibrous Membranes with Rose Spike-Like Architecture. <i>Nano Letters</i> , <b>2017</b> , 17, 6235-6240	11.5	60
62	In vitro and in vivo analysis of visible light crosslinkable gelatin methacryloyl (GelMA) hydrogels. <i>Biomaterials Science</i> , <b>2017</b> , 5, 2093-2105	7.4	152
61	Engineering Biodegradable and Biocompatible Bio-ionic Liquid Conjugated Hydrogels with Tunable Conductivity and Mechanical Properties. <i>Scientific Reports</i> , <b>2017</b> , 7, 4345	4.9	70
60	Cell infiltrative hydrogel fibrous scaffolds for accelerated wound healing. <i>Acta Biomaterialia</i> , <b>2017</b> , 49, 66-77	10.8	183
59	Microengineered 3D cell-laden thermoresponsive hydrogels for mimicking cell morphology and orientation in cartilage tissue engineering. <i>Biotechnology and Bioengineering</i> , <b>2017</b> , 114, 217-231	4.9	47
58	Nanofibrous Silver-Coated Polymeric Scaffolds with Tunable Electrical Properties. <i>Nanomaterials</i> , <b>2017</b> , 7,	5.4	17
57	Photocrosslinkable Gelatin Hydrogel for Epidermal Tissue Engineering. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 108-18	10.1	407
56	A liver-on-a-chip platform with bioprinted hepatic spheroids. <i>Biofabrication</i> , <b>2016</b> , 8, 014101	10.5	353
55	Muscle Tissue Engineering Using Gingival Mesenchymal Stem Cells Encapsulated in Alginate Hydrogels Containing Multiple Growth Factors. <i>Annals of Biomedical Engineering</i> , <b>2016</b> , 44, 1908-20	4.7	51
54	Stem cells and injectable hydrogels: Synergistic therapeutics in myocardial repair. <i>Biotechnology Advances</i> , <b>2016</b> , 34, 362-379	17.8	76

53	A Bioactive Carbon Nanotube-Based Ink for Printing 2D and 3D Flexible Electronics. <i>Advanced Materials</i> , <b>2016</b> , 28, 3280-9	24	156
52	Natural lecithin promotes neural network complexity and activity. <i>Scientific Reports</i> , <b>2016</b> , 6, 25777	4.9	17
51	Highly Elastic and Conductive Human-Based Protein Hybrid Hydrogels. <i>Advanced Materials</i> , <b>2016</b> , 28, 40-9	24	187
50	Laterally Confined Microfluidic Patterning of Cells for Engineering Spatially Defined Vascularization. <i>Small</i> , <b>2016</b> , 12, 5132-5139	11	18
49	Dermal Patch with Integrated Flexible Heater for on Demand Drug Delivery. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 175-84	10.1	77
48	A cost-effective fluorescence mini-microscope for biomedical applications. <i>Lab on A Chip</i> , <b>2015</b> , 15, 3661-92	7.2	68
47	Elastic sealants for surgical applications. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2015</b> , 95, 27-39	5.7	132
46	Surgical sealants and high strength adhesives. <i>Materials Today</i> , <b>2015</b> , 18, 176-177	21.8	19
45	Adenosine-associated delivery systems. <i>Journal of Drug Targeting</i> , <b>2015</b> , 23, 580-96	5.4	22
44	Synthesis, properties, and biomedical applications of gelatin methacryloyl (GelMA) hydrogels. <i>Biomaterials</i> , <b>2015</b> , 73, 254-71	15.6	1167
43	Bioactive Fibers: Hydrogel Templates for Rapid Manufacturing of Bioactive Fibers and 3D Constructs (Adv. Healthcare Mater. 14/2015). <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 2050	10.1	2
42	Hydrogel Templates for Rapid Manufacturing of Bioactive Fibers and 3D Constructs. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 2146-2153	10.1	109
41	A Highly Elastic and Rapidly Crosslinkable Elastin-Like Polypeptide-Based Hydrogel for Biomedical Applications. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 4814-4826	15.6	148
40	Facile One-step Micropatterning Using Photodegradable Methacrylated Gelatin Hydrogels for Improved Cardiomyocyte Organization and Alignment. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 977-986	15.6	83
39	Controlling mechanical properties of cell-laden hydrogels by covalent incorporation of graphene oxide. <i>Small</i> , <b>2014</b> , 10, 514-23	11	159
38	Hydrogels for cardiac tissue engineering. <i>NPG Asia Materials</i> , <b>2014</b> , 6, e99-e99	10.3	100
37	Surgical Materials: Current Challenges and Nano-enabled Solutions. <i>Nano Today</i> , <b>2014</b> , 9, 574-589	17.9	128
36	Biodegradable nanofibrous polymeric substrates for generating elastic and flexible electronics. <i>Advanced Materials</i> , <b>2014</b> , 26, 5823-30	24	100

35	Tri-layered elastomeric scaffolds for engineering heart valve leaflets. <i>Biomaterials</i> , <b>2014</b> , 35, 7774-85	15.6	114
34	Tough and flexible CNT-polymeric hybrid scaffolds for engineering cardiac constructs. <i>Biomaterials</i> , <b>2014</b> , 35, 7346-54	15.6	209
33	Electrospun PGS:PCL microfibers align human valvular interstitial cells and provide tunable scaffold anisotropy. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 929-39	10.1	77
32	25th anniversary article: Rational design and applications of hydrogels in regenerative medicine. <i>Advanced Materials</i> , <b>2014</b> , 26, 85-123	24	895
31	Composite Living Fibers for Creating Tissue Constructs Using Textile Techniques. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 4060-4067	15.6	118
30	Electrospun scaffolds for tissue engineering of vascular grafts. <i>Acta Biomaterialia</i> , <b>2014</b> , 10, 11-25	10.8	512
29	PGS:Gelatin nanofibrous scaffolds with tunable mechanical and structural properties for engineering cardiac tissues. <i>Biomaterials</i> , <b>2013</b> , 34, 6355-66	15.6	236
28	Engineered cell-laden human protein-based elastomer. <i>Biomaterials</i> , <b>2013</b> , 34, 5496-505	15.6	85
27	Fiber-based tissue engineering: Progress, challenges, and opportunities. <i>Biotechnology Advances</i> , <b>2013</b> , 31, 669-87	17.8	330
26	Elastomeric Recombinant Protein-based Biomaterials. <i>Biochemical Engineering Journal</i> , <b>2013</b> , 77, 110-118	8.2	66
25	Synthesis and characterization of hybrid hyaluronic acid-gelatin hydrogels. <i>Biomacromolecules</i> , <b>2013</b> , 14, 1085-92	6.9	193
24	Carbon-based nanomaterials: multifunctional materials for biomedical engineering. <i>ACS Nano</i> , <b>2013</b> , 7, 2891-7	16.7	573
23	Highly Elastic Micropatterned Hydrogel for Engineering Functional Cardiac Tissue. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 4950	15.6	173
22	Oxygen Releasing Biomaterials for Tissue Engineering. <i>Polymer International</i> , <b>2013</b> , 62, 843-848	3.3	90
21	Hydrogel-coated microfluidic channels for cardiomyocyte culture. <i>Lab on A Chip</i> , <b>2013</b> , 13, 3569-77	7.2	92
20	Functional Biomaterials: Highly Elastic Micropatterned Hydrogel for Engineering Functional Cardiac Tissue (Adv. Funct. Mater. 39/2013). <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 4949-4949	15.6	
19	Microfabricated biomaterials for engineering 3D tissues. <i>Advanced Materials</i> , <b>2012</b> , 24, 1782-804	24	310
18	Directed endothelial cell morphogenesis in micropatterned gelatin methacrylate hydrogels. <i>Biomaterials</i> , <b>2012</b> , 33, 9009-18	15.6	191



17	Controlled release of drugs from gradient hydrogels for high-throughput analysis of cell-drug interactions. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 1302-9	7.8	32
16	Porous Biomaterials <b>2012</b> , 35-65		2
15	Vascularized bone tissue engineering: approaches for potential improvement. <i>Tissue Engineering - Part B: Reviews</i> , <b>2012</b> , 18, 363-82	7.9	216
14	Fabrication of poly-DL-lactide/polyethylene glycol scaffolds using the gas foaming technique. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 570-8	10.8	85
13	A microfluidic-based neurotoxin concentration gradient for the generation of an in vitro model of Parkinson's disease. <i>Biomicrofluidics</i> , <b>2011</b> , 5, 22214	3.2	38
12	Fabrication of porous PCL/elastin composite scaffolds for tissue engineering applications. <i>Journal of Supercritical Fluids</i> , <b>2011</b> , 59, 157-167	4.2	67
11	Engineering porous scaffolds using gas-based techniques. <i>Current Opinion in Biotechnology</i> , <b>2011</b> , 22, 661-6	11.4	138
10	Fabrication of porous chitosan scaffolds for soft tissue engineering using dense gas CO <sub>2</sub> . <i>Acta Biomaterialia</i> , <b>2011</b> , 7, 1653-64	10.8	156
9	The effect of elastin on chondrocyte adhesion and proliferation on poly (ε-caprolactone)/elastin composites. <i>Biomaterials</i> , <b>2011</b> , 32, 1517-25	15.6	95
8	Controlling the porosity and microarchitecture of hydrogels for tissue engineering. <i>Tissue Engineering - Part B: Reviews</i> , <b>2010</b> , 16, 371-83	7.9	737
7	Synthetic elastin hydrogels that are combined with heparin display substantial swelling, increased porosity, and improved cell penetration. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 95, 1215-22	5.4	16
6	Supercritical CO <sub>2</sub> sterilization of ultra-high molecular weight polyethylene. <i>Journal of Supercritical Fluids</i> , <b>2010</b> , 52, 235-240	4.2	20
5	Cross-linked open-pore elastic hydrogels based on tropoelastin, elastin and high pressure CO <sub>2</sub> . <i>Biomaterials</i> , <b>2010</b> , 31, 1655-65	15.6	100
4	Sterilization of ginseng using a high pressure CO <sub>2</sub> at moderate temperatures. <i>Biotechnology and Bioengineering</i> , <b>2009</b> , 102, 569-76	4.9	19
3	The fabrication of elastin-based hydrogels using high pressure CO <sub>2</sub> . <i>Biomaterials</i> , <b>2009</b> , 30, 1-7	15.6	121
2	Synthesis of highly porous crosslinked elastin hydrogels and their interaction with fibroblasts in vitro. <i>Biomaterials</i> , <b>2009</b> , 30, 4550-7	15.6	149
1	Effect of dense gas CO <sub>2</sub> on the coacervation of elastin. <i>Biomacromolecules</i> , <b>2008</b> , 9, 1100-5	6.9	24