

# Nasim Annabi

## List of Publications by Year in descending order

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Version: 2024-02-01

145  
papers

19,130  
citations

10351

72  
h-index

11581

135  
g-index

151  
all docs

151  
docs citations

151  
times ranked

21472  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new aspiration device equipped with a hydro-separator for acute ischemic stroke due to challenging soft and stiff clots. <i>Interventional Neuroradiology</i> , 2022, 28, 43-49.	0.7	6
2	Development and characterization of a hydrogel-based adhesive patch for sealing open-globe injuries. <i>Acta Biomaterialia</i> , 2022, 137, 53-63.	4.1	27
3	Droplet-based microfluidics in biomedical applications. <i>Biofabrication</i> , 2022, 14, 022001.	3.7	50
4	Engineering a naturally derived hemostatic sealant for sealing internal organs. <i>Materials Today Bio</i> , 2022, 13, 100199.	2.6	26
5	Template-Enabled Biofabrication of Thick 3D Tissues with Patterned Perfusible Macrochannels. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102123.	3.9	10
6	Effect of gelatin methacryloyl hydrogel on healing of the guinea pig vaginal wall with or without mesh augmentation. <i>International Urogynecology Journal</i> , 2022, 33, 2223-2232.	0.7	2
7	Engineering a highly elastic bioadhesive for sealing soft and dynamic tissues. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 1511-1522.	1.6	10
8	Recent Advances in Designing Electroconductive Biomaterials for Cardiac Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2022, 11, e2200055.	3.9	28
9	Engineered Hemostatic Biomaterials for Sealing Wounds. <i>Chemical Reviews</i> , 2022, 122, 12864-12903.	23.0	79
10	Nanoengineered shear-thinning and bioprintable hydrogel as a versatile platform for biomedical applications. <i>Biomaterials</i> , 2021, 267, 120476.	5.7	76
11	Growth factor-eluting hydrogels for management of corneal defects. <i>Materials Science and Engineering C</i> , 2021, 120, 111790.	3.8	6
12	Simultaneous targeting of primary tumor, draining lymph node, and distant metastases through high endothelial venule-targeted delivery. <i>Nano Today</i> , 2021, 36, 101045.	6.2	24
13	Targeted nanomedicines for the treatment of bone disease and regeneration. <i>Medicinal Research Reviews</i> , 2021, 41, 1221-1254.	5.0	18
14	Multifunctional hydrogels for wound healing: Special focus on biomacromolecular based hydrogels. <i>International Journal of Biological Macromolecules</i> , 2021, 170, 728-750.	3.6	151
15	Voices of biotech research. <i>Nature Biotechnology</i> , 2021, 39, 281-286.	9.4	3
16	Suturable elastomeric tubular grafts with patterned porosity for rapid vascularization of 3D constructs. <i>Biofabrication</i> , 2021, 13, 035020.	3.7	11
17	Biomimetic nanoengineered scaffold for enhanced full-thickness cutaneous wound healing. <i>Acta Biomaterialia</i> , 2021, 124, 191-204.	4.1	72
18	A tissue-engineered human trabecular meshwork hydrogel for advanced glaucoma disease modeling. <i>Experimental Eye Research</i> , 2021, 205, 108472.	1.2	34

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19	Advanced nanodelivery platforms for topical ophthalmic drug delivery. <i>Drug Discovery Today</i> , 2021, 26, 1437-1449.	3.2	30
20	Rational Design of Immunomodulatory Hydrogels for Chronic Wound Healing. <i>Advanced Materials</i> , 2021, 33, e2100176.	11.1	271
21	Stretchable and Bioadhesive Gelatin Methacryloyl-Based Hydrogels Enabled by <i>in Situ</i> Dopamine Polymerization. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 40290-40301.	4.0	72
22	Engineering elastic sealants based on gelatin and elastin-like polypeptides for endovascular anastomosis. <i>Bioengineering and Translational Medicine</i> , 2021, 6, e10240.	3.9	8
23	Nanoengineered Shear-Thinning Hydrogel Barrier for Preventing Postoperative Abdominal Adhesions. <i>Nano-Micro Letters</i> , 2021, 13, 212.	14.4	28
24	Colloidal multiscale porous adhesive (bio)inks facilitate scaffold integration. <i>Applied Physics Reviews</i> , 2021, 8, 041415.	5.5	28
25	Glial cells influence cardiac permittivity as evidenced through <i>in vitro</i> and <i>in silico</i> models. <i>Biofabrication</i> , 2020, 12, 015014.	3.7	9
26	Biomimetic proteoglycan nanoparticles for growth factor immobilization and delivery. <i>Biomaterials Science</i> , 2020, 8, 1127-1136.	2.6	18
27	Synthesis and characterization of osteoinductive visible light-activated adhesive composites with antimicrobial properties. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 66-81.	1.3	30
28	Electrochemiluminescence methods using CdS quantum dots in aptamer-based thrombin biosensors: a comparative study. <i>Mikrochimica Acta</i> , 2020, 187, 25.	2.5	39
29	Human-Recombinant-Elastin-Based Bioinks for 3D Bioprinting of Vascularized Soft Tissues. <i>Advanced Materials</i> , 2020, 32, e2003915.	11.1	104
30	Ciprofloxacin-loaded bioadhesive hydrogels for ocular applications. <i>Biomaterials Science</i> , 2020, 8, 5196-5209.	2.6	44
31	Advances and limitations of drug delivery systems formulated as eye drops. <i>Journal of Controlled Release</i> , 2020, 321, 1-22.	4.8	175
32	Lysine-embedded cellulose-based nanosystem for efficient dual-delivery of chemotherapeutics in combination cancer therapy. <i>Carbohydrate Polymers</i> , 2020, 250, 116861.	5.1	25
33	Selective trafficking of light chain-conjugated nanoparticles to the kidney and renal cell carcinoma. <i>Nano Today</i> , 2020, 35, 100990.	6.2	16
34	Gelatin Methacryloyl Bioadhesive Improves Survival and Reduces Scar Burden in a Mouse Model of Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2020, 9, e014199.	1.6	16
35	Bioactive and Elastic Nanocomposites with Antimicrobial Properties for Bone Tissue Regeneration. <i>ACS Applied Bio Materials</i> , 2020, 3, 3313-3325.	2.3	32
36	Cellular Mechanisms of Rejection of Optic and Sciatic Nerve Transplants: An Observational Study. <i>Transplantation Direct</i> , 2020, 6, e589.	0.8	1

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37	Biomimetic cardiovascular platforms for in vitro disease modeling and therapeutic validation. <i>Biomaterials</i> , 2019, 198, 78-94.	5.7	24
38	Strategies to prevent dopamine oxidation and related cytotoxicity using various antioxidants and nitrogenation. <i>Emergent Materials</i> , 2019, 2, 209-217.	3.2	8
39	Bioprinting of a Cell-Laden Conductive Hydrogel Composite. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 30518-30533.	4.0	117
40	Local Immunomodulation Using an Adhesive Hydrogel Loaded with miRNA-Laden Nanoparticles Promotes Wound Healing. <i>Small</i> , 2019, 15, e1902232.	5.2	197
41	An Antimicrobial Dental Light Curable Bioadhesive Hydrogel for Treatment of Peri-Implant Diseases. <i>Matter</i> , 2019, 1, 926-944.	5.0	90
42	Nanodelivery of Mycophenolate Mofetil to the Organ Improves Transplant Vasculopathy. <i>ACS Nano</i> , 2019, 13, 12393-12407.	7.3	21
43	Mechanical and Biochemical Stimulation of 3D Multilayered Scaffolds for Tendon Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 2953-2964.	2.6	66
44	Anti-IL-6 eluting immunomodulatory biomaterials prolong skin allograft survival. <i>Scientific Reports</i> , 2019, 9, 6535.	1.6	39
45	Sutureless repair of corneal injuries using naturally derived bioadhesive hydrogels. <i>Science Advances</i> , 2019, 5, eaav1281.	4.7	229
46	Engineering a naturally-derived adhesive and conductive cardiopatch. <i>Biomaterials</i> , 2019, 207, 89-101.	5.7	93
47	Breathable hydrogel dressings containing natural antioxidants for management of skin disorders. <i>Journal of Biomaterials Applications</i> , 2019, 33, 1265-1276.	1.2	30
48	Biomaterials, Cells, and Patho-physiology: Building Better Organoids and On-Chip Technologies. <i>Biomaterials</i> , 2019, 198, 1-2.	5.7	4
49	Rational design of microfabricated electroconductive hydrogels for biomedical applications. <i>Progress in Polymer Science</i> , 2019, 92, 135-157.	11.8	138
50	State-of-the-Art and Trends in Synthesis, Properties, and Application of Quantum Dots-Based Nanomaterials. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800302.	1.2	27
51	Ocular adhesives: Design, chemistry, crosslinking mechanisms, and applications. <i>Biomaterials</i> , 2019, 197, 345-367.	5.7	84
52	Significant role of cationic polymers in drug delivery systems. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1-20.	1.9	40
53	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> , 2018, 46, 938-945.	1.9	44
54	Tissue Regeneration: A Multifunctional Polymeric Periodontal Membrane with Osteogenic and Antibacterial Characteristics ( <i>Adv. Funct. Mater.</i> 3/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870021.	7.8	6

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55	Engineering Adhesive and Antimicrobial Hyaluronic Acid/Elastin-like Polypeptide Hybrid Hydrogels for Tissue Engineering Applications. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 2528-2540.	2.6	102
56	Photocrosslinkable Gelatin/Tropoelastin Hydrogel Adhesives for Peripheral Nerve Repair. <i>Tissue Engineering - Part A</i> , 2018, 24, 1393-1405.	1.6	80
57	Electroconductive Gelatin Methacryloyl-PEDOT:PSS Composite Hydrogels: Design, Synthesis, and Properties. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1558-1567.	2.6	75
58	Recent advances on biomedical applications of scaffolds in wound healing and dermal tissue engineering. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 691-705.	1.9	162
59	Magnetic carbon nanotubes: preparation, physical properties, and applications in biomedicine. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1314-1330.	1.9	58
60	Visible light crosslinkable human hair keratin hydrogels. <i>Bioengineering and Translational Medicine</i> , 2018, 3, 37-48.	3.9	57
61	Carbon quantum dots: recent progresses on synthesis, surface modification and applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1331-1348.	1.9	149
62	Characterization, mechanistic analysis and improving the properties of denture adhesives. <i>Dental Materials</i> , 2018, 34, 120-131.	1.6	16
63	pH- and thermo-sensitive MTX-loaded magnetic nanocomposites: synthesis, characterization, and <i>in vitro</i> studies on A549 lung cancer cell and MR imaging. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 452-462.	0.9	34
64	A Multifunctional Polymeric Periodontal Membrane with Osteogenic and Antibacterial Characteristics. <i>Advanced Functional Materials</i> , 2018, 28, 1703437.	7.8	152
65	Dissolvable Stents: 3D-Printed Sugar-Based Stents Facilitating Vascular Anastomosis ( <i>Adv. Healthcare Tj ETQq1 1 0,784314 ggBT /Over</i> )	3.9	30
66	Ectopic high endothelial venules in pancreatic ductal adenocarcinoma: A unique site for targeted delivery. <i>EBioMedicine</i> , 2018, 38, 79-88.	2.7	20
67	3D-Printed Sugar-Based Stents Facilitating Vascular Anastomosis. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800702.	3.9	30
68	Interpenetrating network gelatin methacryloyl (GelMA) and pectin-g-PCL hydrogels with tunable properties for tissue engineering. <i>Biomaterials Science</i> , 2018, 6, 2938-2950.	2.6	83
69	Chaotic printing: using chaos to fabricate densely packed micro- and nanostructures at high resolution and speed. <i>Materials Horizons</i> , 2018, 5, 813-822.	6.4	28
70	Targeting antigen-presenting cells by anti-PD-1 nanoparticles augments antitumor immunity. <i>JCI Insight</i> , 2018, 3, .	2.3	48
71	Anti-Ebola therapies based on monoclonal antibodies: current state and challenges ahead. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 53-68.	5.1	21
72	Mussel-Inspired Multifunctional Hydrogel Coating for Prevention of Infections and Enhanced Osteogenesis. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 11428-11439.	4.0	193

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73	Engineering Photocrosslinkable Bicomponent Hydrogel Constructs for Creating 3D Vascularized Bone. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601122.	3.9	59
74	Bioprinted Osteogenic and Vasculogenic Patterns for Engineering 3D Bone Tissue. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700015.	3.9	310
75	A highly adhesive and naturally derived sealant. <i>Biomaterials</i> , 2017, 140, 115-127.	5.7	188
76	Engineering a sprayable and elastic hydrogel adhesive with antimicrobial properties for wound healing. <i>Biomaterials</i> , 2017, 139, 229-243.	5.7	417
77	Structural analysis of photocrosslinkable methacryloyl-modified protein derivatives. <i>Biomaterials</i> , 2017, 139, 163-171.	5.7	140
78	Poly (Ethylene Glycol)-Based Hydrogels as Self-Inflating Tissue Expanders with Tunable Mechanical and Swelling Properties. <i>Macromolecular Bioscience</i> , 2017, 17, 1600479.	2.1	22
79	Engineering a highly elastic human protein-based sealant for surgical applications. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	261
80	Realization of tunable artificial synapse and memory based on amorphous oxide semiconductor transistor. <i>Scientific Reports</i> , 2017, 7, 10997.	1.6	24
81	Biodegradable elastic nanofibrous platforms with integrated flexible heaters for on-demand drug delivery. <i>Scientific Reports</i> , 2017, 7, 9220.	1.6	90
82	Integrin-Mediated Interactions Control Macrophage Polarization in 3D Hydrogels. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700289.	3.9	169
83	Nanostructured Fibrous Membranes with Rose Spike-Like Architecture. <i>Nano Letters</i> , 2017, 17, 6235-6240.	4.5	72
84	In vitro and in vivo analysis of visible light crosslinkable gelatin methacryloyl (GelMA) hydrogels. <i>Biomaterials Science</i> , 2017, 5, 2093-2105.	2.6	218
85	Engineering Biodegradable and Biocompatible Bio-ionic Liquid Conjugated Hydrogels with Tunable Conductivity and Mechanical Properties. <i>Scientific Reports</i> , 2017, 7, 4345.	1.6	103
86	Cell infiltrative hydrogel fibrous scaffolds for accelerated wound healing. <i>Acta Biomaterialia</i> , 2017, 49, 66-77.	4.1	244
87	Microengineered 3D cell-laden thermoresponsive hydrogels for mimicking cell morphology and orientation in cartilage tissue engineering. <i>Biotechnology and Bioengineering</i> , 2017, 114, 217-231.	1.7	61
88	Nanofibrous Silver-Coated Polymeric Scaffolds with Tunable Electrical Properties. <i>Nanomaterials</i> , 2017, 7, 63.	1.9	23
89	A Bioactive Carbon Nanotube-Based Ink for Printing 2D and 3D Flexible Electronics. <i>Advanced Materials</i> , 2016, 28, 3280-3289.	11.1	199
90	Natural lecithin promotes neural network complexity and activity. <i>Scientific Reports</i> , 2016, 6, 25777.	1.6	33

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91	Highly Elastic and Conductive Human-Based Protein Hybrid Hydrogels. <i>Advanced Materials</i> , 2016, 28, 40-49.	11.1	226
92	Laterally Confined Microfluidic Patterning of Cells for Engineering Spatially Defined Vascularization. <i>Small</i> , 2016, 12, 5132-5139.	5.2	21
93	Dermal Patch with Integrated Flexible Heater for on Demand Drug Delivery. <i>Advanced Healthcare Materials</i> , 2016, 5, 175-184.	3.9	109
94	A liver-on-a-chip platform with bioprinted hepatic spheroids. <i>Biofabrication</i> , 2016, 8, 014101.	3.7	466
95	Muscle Tissue Engineering Using Gingival Mesenchymal Stem Cells Encapsulated in Alginate Hydrogels Containing Multiple Growth Factors. <i>Annals of Biomedical Engineering</i> , 2016, 44, 1908-1920.	1.3	71
96	Stem cells and injectable hydrogels: Synergistic therapeutics in myocardial repair. <i>Biotechnology Advances</i> , 2016, 34, 362-379.	6.0	106
97	Photocrosslinkable Gelatin Hydrogel for Epidermal Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2016, 5, 108-118.	3.9	595
98	Bioactive Fibers: Hydrogel Templates for Rapid Manufacturing of Bioactive Fibers and 3D Constructs (Adv. Healthcare Mater. 14/2015). <i>Advanced Healthcare Materials</i> , 2015, 4, 2050-2050.	3.9	2
99	Hydrogel Templates for Rapid Manufacturing of Bioactive Fibers and 3D Constructs. <i>Advanced Healthcare Materials</i> , 2015, 4, 2146-2153.	3.9	127
100	A Highly Elastic and Rapidly Crosslinkable Elastin-Like Polypeptide-Based Hydrogel for Biomedical Applications. <i>Advanced Functional Materials</i> , 2015, 25, 4814-4826.	7.8	201
101	Facile One-Step Micropatterning Using Photodegradable Gelatin Hydrogels for Improved Cardiomyocyte Organization and Alignment. <i>Advanced Functional Materials</i> , 2015, 25, 977-986.	7.8	98
102	A cost-effective fluorescence mini-microscope for biomedical applications. <i>Lab on A Chip</i> , 2015, 15, 3661-3669.	3.1	86
103	Elastic sealants for surgical applications. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 95, 27-39.	2.0	182
104	Surgical sealants and high strength adhesives. <i>Materials Today</i> , 2015, 18, 176-177.	8.3	32
105	Adenosine-associated delivery systems. <i>Journal of Drug Targeting</i> , 2015, 23, 580-596.	2.1	34
106	Synthesis, properties, and biomedical applications of gelatin methacryloyl (GelMA) hydrogels. <i>Biomaterials</i> , 2015, 73, 254-271.	5.7	1,871
107	Electrospun PGS:PCL Microfibers Align Human Valvular Interstitial Cells and Provide Tunable Scaffold Anisotropy. <i>Advanced Healthcare Materials</i> , 2014, 3, 929-939.	3.9	95
108	25th Anniversary Article: Rational Design and Applications of Hydrogels in Regenerative Medicine. <i>Advanced Materials</i> , 2014, 26, 85-124.	11.1	1,103

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109	Composite Living Fibers for Creating Tissue Constructs Using Textile Techniques. <i>Advanced Functional Materials</i> , 2014, 24, 4060-4067.	7.8	131
110	Electrospun scaffolds for tissue engineering of vascular grafts. <i>Acta Biomaterialia</i> , 2014, 10, 11-25.	4.1	611
111	Controlling Mechanical Properties of Cell-Laden Hydrogels by Covalent Incorporation of Graphene Oxide. <i>Small</i> , 2014, 10, 514-523.	5.2	183
112	Hydrogels for cardiac tissue engineering. <i>NPG Asia Materials</i> , 2014, 6, e99-e99.	3.8	132
113	Surgical materials: Current challenges and nano-enabled solutions. <i>Nano Today</i> , 2014, 9, 574-589.	6.2	158
114	Biodegradable Nanofibrous Polymeric Substrates for Generating Elastic and Flexible Electronics. <i>Advanced Materials</i> , 2014, 26, 5823-5830.	11.1	117
115	Tri-layered elastomeric scaffolds for engineering heart valve leaflets. <i>Biomaterials</i> , 2014, 35, 7774-7785.	5.7	131
116	Tough and flexible CNT-polymeric hybrid scaffolds for engineering cardiac constructs. <i>Biomaterials</i> , 2014, 35, 7346-7354.	5.7	249
117	PGS:Gelatin nanofibrous scaffolds with tunable mechanical and structural properties for engineering cardiac tissues. <i>Biomaterials</i> , 2013, 34, 6355-6366.	5.7	273
118	Engineered cell-laden human protein-based elastomer. <i>Biomaterials</i> , 2013, 34, 5496-5505.	5.7	99
119	Fiber-based tissue engineering: Progress, challenges, and opportunities. <i>Biotechnology Advances</i> , 2013, 31, 669-687.	6.0	386
120	Elastomeric recombinant protein-based biomaterials. <i>Biochemical Engineering Journal</i> , 2013, 77, 110-118.	1.8	85
121	Synthesis and Characterization of Hybrid Hyaluronic Acid-Gelatin Hydrogels. <i>Biomacromolecules</i> , 2013, 14, 1085-1092.	2.6	269
122	Carbon-Based Nanomaterials: Multifunctional Materials for Biomedical Engineering. <i>ACS Nano</i> , 2013, 7, 2891-2897.	7.3	693
123	Highly Elastic Micropatterned Hydrogel for Engineering Functional Cardiac Tissue. <i>Advanced Functional Materials</i> , 2013, 23, 4950-4959.	7.8	201
124	Oxygen-releasing biomaterials for tissue engineering. <i>Polymer International</i> , 2013, 62, 843-848.	1.6	129
125	Hydrogel-coated microfluidic channels for cardiomyocyte culture. <i>Lab on A Chip</i> , 2013, 13, 3569.	3.1	112
126	Functional Biomaterials: Highly Elastic Micropatterned Hydrogel for Engineering Functional Cardiac Tissue ( <i>Adv. Funct. Mater.</i> 39/2013). <i>Advanced Functional Materials</i> , 2013, 23, 4949-4949.	7.8	0



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127	Directed endothelial cell morphogenesis in micropatterned gelatin methacrylate hydrogels. <i>Biomaterials</i> , 2012, 33, 9009-9018.	5.7	221
128	Controlled Release of Drugs from Gradient Hydrogels for High-Throughput Analysis of Cell-Drug Interactions. <i>Analytical Chemistry</i> , 2012, 84, 1302-1309.	3.2	36
129	Vascularized Bone Tissue Engineering: Approaches for Potential Improvement. <i>Tissue Engineering - Part B: Reviews</i> , 2012, 18, 363-382.	2.5	259
130	Fabrication of poly-DL-lactide/polyethylene glycol scaffolds using the gas foaming technique. <i>Acta Biomaterialia</i> , 2012, 8, 570-578.	4.1	100
131	Microfabricated Biomaterials for Engineering 3D Tissues. <i>Advanced Materials</i> , 2012, 24, 1782-1804.	11.1	351
132	A microfluidic-based neurotoxin concentration gradient for the generation of an <i>in vitro</i> model of Parkinson's disease. <i>Biomicrofluidics</i> , 2011, 5, 22214.	1.2	43
133	Fabrication of porous PCL/elastin composite scaffolds for tissue engineering applications. <i>Journal of Supercritical Fluids</i> , 2011, 59, 157-167.	1.6	74
134	Engineering porous scaffolds using gas-based techniques. <i>Current Opinion in Biotechnology</i> , 2011, 22, 661-666.	3.3	178
135	Fabrication of porous chitosan scaffolds for soft tissue engineering using dense gas CO <sub>2</sub> . <i>Acta Biomaterialia</i> , 2011, 7, 1653-1664.	4.1	182
136	The effect of elastin on chondrocyte adhesion and proliferation on poly( $\epsilon$ -caprolactone)/elastin composites. <i>Biomaterials</i> , 2011, 32, 1517-1525.	5.7	112
137	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> , 2010, 95A, 1215-1222.	2.1	19
138	Supercritical CO <sub>2</sub> sterilization of ultra-high molecular weight polyethylene. <i>Journal of Supercritical Fluids</i> , 2010, 52, 235-240.	1.6	23
139	Cross-linked open-pore elastic hydrogels based on tropoelastin, elastin and high pressure CO <sub>2</sub> . <i>Biomaterials</i> , 2010, 31, 1655-1665.	5.7	102
140	Controlling the Porosity and Microarchitecture of Hydrogels for Tissue Engineering. <i>Tissue Engineering - Part B: Reviews</i> , 2010, 16, 371-383.	2.5	925
141	Sterilization of ginseng using a high pressure CO <sub>2</sub> at moderate temperatures. <i>Biotechnology and Bioengineering</i> , 2009, 102, 569-576.	1.7	21
142	The fabrication of elastin-based hydrogels using high pressure CO <sub>2</sub> . <i>Biomaterials</i> , 2009, 30, 1-7.	5.7	131
143	Synthesis of highly porous crosslinked elastin hydrogels and their interaction with fibroblasts <i>in vitro</i> . <i>Biomaterials</i> , 2009, 30, 4550-4557.	5.7	165
144	Effect of Dense Gas CO <sub>2</sub> on the Coacervation of Elastin. <i>Biomacromolecules</i> , 2008, 9, 1100-1105.	2.6	25

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145	Glial Cells in the Heart? Replicating the Diversity of the Myocardium with Low-Cost 3D Models. SSRN Electronic Journal, 0, , .	0.4	0