Lijie Zhang

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82 7,028 50 124 h-index g-index citations papers 8,185 6.44 134 7.2 L-index avg, IF ext. papers ext. citations

#	Paper	IF	Citations
124	Nanotechnology and nanomaterials: Promises for improved tissue regeneration. <i>Nano Today</i> , 2009 , 4, 66-80	17.9	832
123	Carbon nanofibers and carbon nanotubes in regenerative medicine. <i>Advanced Drug Delivery Reviews</i> , 2009 , 61, 1097-114	18.5	355
122	The role of tissue engineering in articular cartilage repair and regeneration. <i>Critical Reviews in Biomedical Engineering</i> , 2009 , 37, 1-57	1.1	274
121	3D Bioprinting for Organ Regeneration. Advanced Healthcare Materials, 2017, 6, 1601118	10.1	254
120	4D printing smart biomedical scaffolds with novel soybean oil epoxidized acrylate. <i>Scientific Reports</i> , 2016 , 6, 27226	4.9	200
119	4D printing of polymeric materials for tissue and organ regeneration. <i>Materials Today</i> , 2017 , 20, 577-59	9121.8	200
118	3D Bioprinting a Cell-Laden Bone Matrix for Breast Cancer Metastasis Study. <i>ACS Applied Materials & Amp; Interfaces</i> , 2016 , 8, 30017-30026	9.5	176
117	Integrating biologically inspired nanomaterials and table-top stereolithography for 3D printed biomimetic osteochondral scaffolds. <i>Nanoscale</i> , 2015 , 7, 14010-22	7.7	151
116	Three-dimensional printing of nanomaterial scaffolds for complex tissue regeneration. <i>Tissue Engineering - Part B: Reviews</i> , 2015 , 21, 103-14	7.9	144
115	3D printed nanocomposite matrix for the study of breast cancer bone metastasis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 69-79	6	131
114	3D printing nano conductive multi-walled carbon nanotube scaffolds for nerve regeneration. <i>Journal of Neural Engineering</i> , 2018 , 15, 016018	5	129
113	Hierarchical Fabrication of Engineered Vascularized Bone Biphasic Constructs via Dual 3D Bioprinting: Integrating Regional Bioactive Factors into Architectural Design. <i>Advanced Healthcare Materials</i> , 2016 , 5, 2174-81	10.1	122
112	Arginine-glycine-aspartic acid modified rosette nanotube-hydrogel composites for bone tissue engineering. <i>Biomaterials</i> , 2009 , 30, 1309-20	15.6	118
111	3D bioprinted graphene oxide-incorporated matrix for promoting chondrogenic differentiation of human bone marrow mesenchymal stem cells. <i>Carbon</i> , 2017 , 116, 615-624	10.4	109
110	A synergistic approach to the design, fabrication and evaluation of 3D printed micro and nano featured scaffolds for vascularized bone tissue repair. <i>Nanotechnology</i> , 2016 , 27, 064001	3.4	106
109	Fabrication of a Highly Aligned Neural Scaffold via a Table Top Stereolithography 3D Printing and Electrospinning. <i>Tissue Engineering - Part A</i> , 2017 , 23, 491-502	3.9	101
108	Development of 3D printable conductive hydrogel with crystallized PEDOT:PSS for neural tissue engineering. <i>Materials Science and Engineering C</i> , 2019 , 99, 582-590	8.3	99

(2014-2018)

107	3D bioprinting mesenchymal stem cell-laden construct with core-shell nanospheres for cartilage tissue engineering. <i>Nanotechnology</i> , 2018 , 29, 185101	3.4	92	
106	Four-Dimensional Printing Hierarchy Scaffolds with Highly Biocompatible Smart Polymers for Tissue Engineering Applications. <i>Tissue Engineering - Part C: Methods</i> , 2016 , 22, 952-963	2.9	90	
105	Biologically Inspired Smart Release System Based on 3D Bioprinted Perfused Scaffold for Vascularized Tissue Regeneration. <i>Advanced Science</i> , 2016 , 3, 1600058	13.6	90	
104	Highly aligned nanocomposite scaffolds by electrospinning and electrospraying for neural tissue regeneration. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 693-704	6	88	
103	3D nano/microfabrication techniques and nanobiomaterials for neural tissue regeneration. <i>Nanomedicine</i> , 2014 , 9, 859-75	5.6	88	
102	Biomimetic three-dimensional nanocrystalline hydroxyapatite and magnetically synthesized single-walled carbon nanotube chitosan nanocomposite for bone regeneration. <i>International Journal of Nanomedicine</i> , 2012 , 7, 2087-99	7-3	82	
101	Enhanced bone tissue regeneration using a 3D printed microstructure incorporated with a hybrid nano hydrogel. <i>Nanoscale</i> , 2017 , 9, 5055-5062	7.7	81	
100	3D Bioprinting: Biologically Inspired Smart Release System Based on 3D Bioprinted Perfused Scaffold for Vascularized Tissue Regeneration (Adv. Sci. 8/2016). <i>Advanced Science</i> , 2016 , 3,	13.6	78	
99	Recent progress in interfacial tissue engineering approaches for osteochondral defects. <i>Annals of Biomedical Engineering</i> , 2012 , 40, 1628-40	4.7	77	
98	3D bioprinting for cardiovascular regeneration and pharmacology. <i>Advanced Drug Delivery Reviews</i> , 2018 , 132, 252-269	18.5	76	
97	Improved Human Bone Marrow Mesenchymal Stem Cell Osteogenesis in 3D Bioprinted Tissue Scaffolds with Low Intensity Pulsed Ultrasound Stimulation. <i>Scientific Reports</i> , 2016 , 6, 32876	4.9	73	
96	Stereolithographic 4D Bioprinting of Multiresponsive Architectures for Neural Engineering. <i>Advanced Biology</i> , 2018 , 2, 1800101	3.5	73	
95	Three-Dimensional-Bioprinted Dopamine-Based Matrix for Promoting Neural Regeneration. <i>ACS Applied Materials & Dopamine Materials & Dop</i>	9.5	72	
94	Development of novel three-dimensional printed scaffolds for osteochondral regeneration. <i>Tissue Engineering - Part A</i> , 2015 , 21, 403-15	3.9	70	
93	Biologically inspired rosette nanotubes and nanocrystalline hydroxyapatite hydrogel nanocomposites as improved bone substitutes. <i>Nanotechnology</i> , 2009 , 20, 175101	3.4	67	
92	Enhanced osteoblast adhesion on self-assembled nanostructured hydrogel scaffolds. <i>Tissue Engineering - Part A</i> , 2008 , 14, 1353-64	3.9	66	
91	The role of aquaporins in the anti-glioblastoma capacity of the cold plasma-stimulated medium. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 055401	3	65	
90	Design of biomimetic and bioactive cold plasma-modified nanostructured scaffolds for enhanced osteogenic differentiation of bone marrow-derived mesenchymal stem cells. <i>Tissue Engineering - Part A</i> , 2014 , 20, 1060-71	3.9	64	

89	Enhanced neural stem cell functions in conductive annealed carbon nanofibrous scaffolds with electrical stimulation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 2485-2494	6	64
88	Titanium dental implants surface-immobilized with gold nanoparticles as osteoinductive agents for rapid osseointegration. <i>Journal of Colloid and Interface Science</i> , 2016 , 469, 129-137	9.3	63
87	The Specific Vulnerabilities of Cancer Cells to the Cold Atmospheric Plasma-Stimulated Solutions. <i>Scientific Reports</i> , 2017 , 7, 4479	4.9	63
86	Enhanced human bone marrow mesenchymal stem cell chondrogenic differentiation in electrospun constructs with carbon nanomaterials. <i>Carbon</i> , 2016 , 97, 1-13	10.4	61
85	Engineering a biomimetic three-dimensional nanostructured bone model for breast cancer bone metastasis study. <i>Acta Biomaterialia</i> , 2015 , 14, 164-74	10.8	60
84	Photolithographic-stereolithographic-tandem fabrication of 4D smart scaffolds for improved stem cell cardiomyogenic differentiation. <i>Biofabrication</i> , 2018 , 10, 035007	10.5	57
83	Design of a Novel 3D Printed Bioactive Nanocomposite Scaffold for Improved Osteochondral Regeneration. <i>Cellular and Molecular Bioengineering</i> , 2015 , 8, 416-432	3.9	56
82	Multifunctional hydrogel coatings on the surface of neural cuff electrode for improving electrode-nerve tissue interfaces. <i>Acta Biomaterialia</i> , 2016 , 39, 25-33	10.8	55
81	3D printing of novel osteochondral scaffolds with graded microstructure. <i>Nanotechnology</i> , 2016 , 27, 414001	3.4	54
80	Enhanced human bone marrow mesenchymal stem cell functions in novel 3D cartilage scaffolds with hydrogen treated multi-walled carbon nanotubes. <i>Nanotechnology</i> , 2013 , 24, 365102	3.4	53
79	Development of Novel 3-D Printed Scaffolds With Core-Shell Nanoparticles for Nerve Regeneration. <i>IEEE Transactions on Biomedical Engineering</i> , 2017 , 64, 408-418	5	52
78	4D physiologically adaptable cardiac patch: A 4-month in vivo study for the treatment of myocardial infarction. <i>Science Advances</i> , 2020 , 6, eabb5067	14.3	52
77	Electrospun fibrous scaffolds for bone and cartilage tissue generation: recent progress and future developments. <i>Tissue Engineering - Part B: Reviews</i> , 2012 , 18, 478-86	7.9	52
76	Synergistic Effect of Cold Atmospheric Plasma and Drug Loaded Core-shell Nanoparticles on Inhibiting Breast Cancer Cell Growth. <i>Scientific Reports</i> , 2016 , 6, 21974	4.9	51
75	Recent advances in 3D printing: vascular network for tissue and organ regeneration. <i>Translational Research</i> , 2019 , 211, 46-63	11	50
74	Advances in 3D Bioprinting for Neural Tissue Engineering. <i>Advanced Biology</i> , 2018 , 2, 1700213	3.5	50
73	Biomimetic helical rosette nanotubes and nanocrystalline hydroxyapatite coatings on titanium for improving orthopedic implants. <i>International Journal of Nanomedicine</i> , 2008 , 3, 323-33	7.3	47
72	A 3D printed nano bone matrix for characterization of breast cancer cell and osteoblast interactions. <i>Nanotechnology</i> , 2016 , 27, 315103	3.4	46

(2018-2009)

Enhanced endothelial cell functions on rosette nanotube-coated titanium vascular stents. <i>International Journal of Nanomedicine</i> , 2009 , 4, 91-7	7.3	44
In vitro and in vivo evaluation of 3D bioprinted small-diameter vasculature with smooth muscle and endothelium. <i>Biofabrication</i> , 2019 , 12, 015004	10.5	44
The Strong Cell-based Hydrogen Peroxide Generation Triggered by Cold Atmospheric Plasma. <i>Scientific Reports</i> , 2017 , 7, 10831	4.9	43
Bio-Based Polymers for 3D Printing of Bioscaffolds. <i>Polymer Reviews</i> , 2018 , 58, 668-687	14	43
3D printing scaffold coupled with low level light therapy for neural tissue regeneration. <i>Biofabrication</i> , 2017 , 9, 025002	10.5	42
A novel near-infrared light responsive 4D printed nanoarchitecture with dynamically and remotely controllable transformation. <i>Nano Research</i> , 2019 , 12, 1381-1388	10	40
Three-Dimensional Printing Articular Cartilage: Recapitulating the Complexity of Native Tissue. <i>Tissue Engineering - Part B: Reviews</i> , 2017 , 23, 225-236	7.9	40
Novel biologically-inspired rosette nanotube PLLA scaffolds for improving human mesenchymal stem cell chondrogenic differentiation. <i>Biomedical Materials (Bristol)</i> , 2013 , 8, 065003	3.5	39
Greater osteoblast and mesenchymal stem cell adhesion and proliferation on titanium with hydrothermally treated nanocrystalline hydroxyapatite/magnetically treated carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 7692-702	1.3	38
Three-Dimensional Printing Biologically Inspired DNA-Based Gradient Scaffolds for Cartilage Tissue Regeneration. <i>ACS Applied Materials & Amp; Interfaces</i> , 2020 , 12, 33219-33228	9.5	35
Gelatin methacrylamide hydrogel with graphene nanoplatelets for neural cell-laden 3D bioprinting. Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2016 , 2016, 4185-4188	0.9	35
Tuning cell adhesion on titanium with osteogenic rosette nanotubes. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 95, 550-63	5.4	34
3D Printed scaffolds with hierarchical biomimetic structure for osteochondral regeneration. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 19, 58-70	6	31
4D printing soft robotics for biomedical applications. <i>Additive Manufacturing</i> , 2020 , 36, 101567	6.1	30
Bioactive rosette nanotube-hydroxyapatite nanocomposites improve osteoblast functions. <i>Tissue Engineering - Part A</i> , 2012 , 18, 1741-50	3.9	29
4D anisotropic skeletal muscle tissue constructs fabricated by staircase effect strategy. <i>Biofabrication</i> , 2019 , 11, 035030	10.5	26
Lipid Coated Microbubbles and Low Intensity Pulsed Ultrasound Enhance Chondrogenesis of Human Mesenchymal Stem Cells in 3D Printed Scaffolds. <i>Scientific Reports</i> , 2016 , 6, 37728	4.9	26
Aggregation State of Metal-Based Nanomaterials at the Pulmonary Surfactant Film Determines Biophysical Inhibition. <i>Environmental Science & Environmental Science & Environmen</i>	10.3	26
	In vitro and in vivo evaluation of 3D bioprinted small-diameter vasculature with smooth muscle and endothelium. <i>Biofabrication</i> , 2019, 12, 015004 The Strong Cell-based Hydrogen Peroxide Generation Triggered by Cold Atmospheric Plasma. <i>Scientific Reports</i> , 2017, 7, 10831 Bio-Based Polymers for 3D Printing of Bioscaffolds. <i>Polymer Reviews</i> , 2018, 58, 668-687 3D printing scaffold coupled with low level light therapy for neural tissue regeneration. <i>Biofabrication</i> , 2017, 9, 025002 A novel near-infrared light responsive 4D printed nanoarchitecture with dynamically and remotely controllable transformation. <i>Nano Research</i> , 2019, 12, 1381-1388 Three-Dimensional Printing Articular Cartilage: Recapitulating the Complexity of Native Tissue. <i>Tissue Engineering - Part B: Reviews</i> , 2017, 23, 225-236 Novel biologically-inspired rosette nanotube PLLA scaffolds for improving human mesenchymal stem cell chondrogenic differentiation. <i>Biomedical Materials (Bristol)</i> , 2013, 8, 065003 Greater osteoblast and mesenchymal stem cell adhesion and proliferation on titanium with hydrothermally treated nanocrystalline hydroxyapatite/magnetically treated carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 7692-702 Three-Dimensional Printing Biologically Inspired DNA-Based Gradient Scaffolds for Cartilage Tissue Regeneration. <i>Accs Applied Materials & Bamp: Interfaces</i> , 2020, 12, 33219-33228 Gelatin methacrylamide hydroge with graphene nanopatelets for neural chiladen 3D bioprinting, <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016, 2016, 4185-4188 Tuning cell adhesion on titanium with osteogenic rosette nanotubes. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95, 550-63 3D Printed scaffolds with hierarchical biomimetic structure for osteochondral regeneration. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 20	In vitro and in vivo evaluation of 3D bioprinted small-diameter vasculature with smooth muscle and endothelium. <i>Biofabrication</i> , 2019, 12, 015004 The Strong Cell-based Hydrogen Peroxide Generation Triggered by Cold Atmospheric Plasma. <i>Scientific Reports</i> , 2017, 7, 10831 Bio-Based Polymers for 3D Printing of Bioscaffolds. <i>Polymer Reviews</i> , 2018, 58, 668-687 49 3D printing scaffold coupled with low level light therapy for neural tissue regeneration. <i>Biofabrication</i> , 2017, 9, 025002 A novel near-infrared light responsive 4D printed nanoarchitecture with dynamically and remotely controllable transformation. <i>Nano Research</i> , 2019, 12, 1381-1388 Three-Dimensional Printing Articular Cartilage: Recapitulating the Complexity of Native Tissue. <i>Tissue Engineering - Part B: Reviews</i> , 2017, 23, 225-236 Novel biologically-inspired rosette nanotube PLLA scaffolds for improving human mesenchymal stem cell chondrogenic differentiation. <i>Biomedical Materials (Bristol)</i> , 2013, 8, 065003 Greater osteoblast and mesenchymal stem cell adhesion and proliferation on titanium with hydrothermally treated nanocrystalline hydroxyapatite/magnetically treated carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 7692-702 Three-Dimensional Printing Biologically Inspired DNA-Based Gradient Scaffolds for Cartilage Tissue Regeneration. <i>ACS Apolied Materials Ramp; Interfaces</i> , 2020, 12, 33219-33228 Gelatin methacrylamide hydrogel with graphene nanoplatelets for neural cell-laden 3D bioprinting. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2016, 4185-4188 Tuning cell adhesion on titanium with osteogenic rosette nanotubes. <i>Journal of Biomedical Materials Research - Part A</i>, 2010, 95, 550-63 3D Printed scaffolds with hierarchical biomimetic structure for osteochondral regeneration. <i>Nanomedicine: Nanotuchology, Biology, and Medicine</i>, 2019,</i>

53	Biomimetic biphasic 3-D nanocomposite scaffold for osteochondral regeneration. <i>AICHE Journal</i> , 2014 , 60, 432-442	3.6	25
52	Engineering a Novel 3D Printed Vascularized Tissue Model for Investigating Breast Cancer Metastasis to Bone. <i>Advanced Healthcare Materials</i> , 2020 , 9, e1900924	10.1	25
51	4D Self-Morphing Culture Substrate for Modulating Cell Differentiation. <i>Advanced Science</i> , 2020 , 7, 190	2498	24
50	Cold Atmospheric Plasma Modified Electrospun Scaffolds with Embedded Microspheres for Improved Cartilage Regeneration. <i>PLoS ONE</i> , 2015 , 10, e0134729	3.7	24
49	Advanced 4D Bioprinting Technologies for Brain Tissue Modeling and Study. <i>International Journal of Smart and Nano Materials</i> , 2019 , 10, 177-204	3.6	23
48	3D Bioprinting-Tunable Small-Diameter Blood Vessels with Biomimetic Biphasic Cell Layers. <i>ACS Applied Materials & Diamonal Materials &</i>	9.5	23
47	Directly Induced Neural Differentiation of Human Adipose-Derived Stem Cells Using Three-Dimensional Culture System of Conductive Microwell with Electrical Stimulation. <i>Tissue Engineering - Part A</i> , 2018 , 24, 537-545	3.9	23
46	Touch-Spun Nanofibers for Nerve Regeneration. ACS Applied Materials & amp; Interfaces, 2020, 12, 2067	- 2 ,0 7 5	21
45	4D Printed Cardiac Construct with Aligned Myofibers and Adjustable Curvature for Myocardial Regeneration. <i>ACS Applied Materials & Amp; Interfaces</i> , 2021 , 13, 12746-12758	9.5	21
44	Integrating three-dimensional printing and nanotechnology for musculoskeletal regeneration. <i>Nanotechnology</i> , 2017 , 28, 382001	3.4	19
43	Biophysical Assessment of Pulmonary Surfactant Predicts the Lung Toxicity of Nanomaterials. <i>Small Methods</i> , 2018 , 2, 1700367	12.8	18
42	One-Step Fabrication of AgNPs Embedded Hybrid Dual Nanofibrous Oral Wound Dressings. <i>Journal of Biomedical Nanotechnology</i> , 2016 , 12, 2041-50	4	18
41	Integration of biological systems with electronic-mechanical assemblies. <i>Acta Biomaterialia</i> , 2019 , 95, 91-111	10.8	16
40	3D printing multiphasic osteochondral tissue constructs with nano to micro features via PCL based bioink. <i>Bioprinting</i> , 2020 , 17, e00066	7	15
39	Single-step synthesis of carbon encapsulated magnetic nanoparticles in arc plasma and potential biomedical applications. <i>Journal of Colloid and Interface Science</i> , 2018 , 509, 414-421	9.3	14
38	Recent advances in bioprinting technologies for engineering cardiac tissue. <i>Materials Science and Engineering C</i> , 2021 , 124, 112057	8.3	14
37	Integrating cold atmospheric plasma with 3D printed bioactive nanocomposite scaffold for cartilage regeneration. <i>Materials Science and Engineering C</i> , 2020 , 111, 110844	8.3	12
36	Simulated Body Fluid Nucleation of Three-Dimensional Printed Elastomeric Scaffolds for Enhanced Osteogenesis. <i>Tissue Engineering - Part A</i> , 2016 , 22, 940-8	3.9	11

35	3D printing novel in vitro cancer cell culture model systems for lung cancer stem cell study. <i>Materials Science and Engineering C</i> , 2021 , 122, 111914	8.3	11
34	Dual 3D printing for vascularized bone tissue regeneration. <i>Acta Biomaterialia</i> , 2021 , 123, 263-274	10.8	11
33	Three-Dimensional Printing: A Catalyst for a Changing Orthopaedic Landscape. <i>JBJS Reviews</i> , 2020 , 8, e0076	2.6	10
32	How can 3D printing be a powerful tool in nanomedicine?. <i>Nanomedicine</i> , 2018 , 13, 251-253	5.6	10
31	Enhanced neuronal differentiation of neural stem cells with mechanically enhanced touch-spun nanofibrous scaffolds. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 24, 102152	6	10
30	Enhanced Osteogenic Differentiation of Human Mesenchymal Stem Cells Using Microbubbles and Low Intensity Pulsed Ultrasound on 3D Printed Scaffolds. <i>Advanced Biology</i> , 2019 , 3, e1800257	3.5	10
29	4D printing in biomedical applications: emerging trends and technologies. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 7608-7632	7.3	10
28	Enhanced human bone marrow mesenchymal stem cell functions on cathodic arc plasma-treated titanium. <i>International Journal of Nanomedicine</i> , 2015 , 10, 7385-96	7.3	8
27	Inhibition of Human Breast Cancer Cell Proliferation by Low-Intensity Ultrasound Stimulation. <i>Journal of Ultrasound in Medicine</i> , 2020 , 39, 2043-2052	2.9	6
26	Nanotechnology and 3D Bioprinting for Neural Tissue Regeneration 2015 , 307-331		5
25	Nanobiotechnology and Nanostructured Therapeutic Delivery Systems. <i>Recent Patents on Biomedical Engineering</i> , 2012 , 5, 29-40		5
24	Biomaterials and 3D Printing Techniques for Neural Tissue Regeneration 2016 , 1-24		5
23	Emerging 4D printing strategies for next-generation tissue regeneration and medical devices <i>Advanced Materials</i> , 2021 , e2109198	24	5
22	Nanomaterials for Improved Orthopedic and Bone Tissue Engineering Applications 2010 , 205-241		4
21	Recent advances in bioprinting technologies for engineering hepatic tissue. <i>Materials Science and Engineering C</i> , 2021 , 123, 112013	8.3	4
20	Enhanced Human Bone Marrow Mesenchymal Stem Cell Chondrogenic Differentiation on Cold Atmospheric Plasma Modified Cartilage Scaffold. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1723, 1		3
19	Development of a Novel 3D Bioprinted In Vitro Nano Bone Model for Breast Cancer Bone Metastasis Study. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1724, 1		3
18	Enhanced Human Bone Marrow Mesenchymal Stem Cell Functions in 3D Bioprinted Biologically Inspired Osteochondral Construct 2013 ,		2

17	Nanotechnology: A Toolkit for Cell Behavior 2015 , 1-24		1
16	Development of Biomimetic and Bioactive 3D Nanocomposite Scaffolds for Osteochondral Regeneration 2013 ,		1
15	Development of a Biomimetic Electrospun Microfibrous Scaffold With Multiwall Carbon Nanotubes for Cartilage Regeneration 2013 ,		1
14	Novel Biologically Inspired Nanostructured Scaffolds for Directing Chondrogenic Differentiation of Mesenchymal Stem Cells. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1498, 59-66		1
13	Orthopedic implants from bioactive rosette nanotubes/poly(2-hydroxyethyl methacrylate)/nano-hydroxyapatite composites. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1417, 99		1
12	Development of Novel Nanostructured Tissue Engineering Scaffold Materials through Self-assembly for Bed-side Orthopedic Applications. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 950, 1		1
11	Osteoblast Behaviors on Novel Self-assembled Helical Rosette Nanotubes and Hydrogel Composites for Bone Tissue Engineering. <i>Materials Research Society Symposia Proceedings</i> , 2007 , 1056, 1		1
10	The effect of insertion technique and surgeon experience on the pullout strength of orthopaedic screws. <i>Current Orthopaedic Practice</i> , 2016 , 27, 69-71	0.4	1
9	Programmable Culture Substrates: 4D Self-Morphing Culture Substrate for Modulating Cell Differentiation (Adv. Sci. 5/2020). <i>Advanced Science</i> , 2020 , 7, 2070034	13.6	O
8	Acoustic Droplet Vaporization of Perfluorocarbon Droplets in 3D-Printable Gelatin Methacrylate Scaffolds. <i>Ultrasound in Medicine and Biology</i> , 2021 , 47, 3263-3274	3.5	O
7	Nanotechnology and 3D/4D Bioprinting for Neural Tissue Regeneration 2022 , 427-458		O
6	An in vitro analysis of the effect of geometry-induced flows on endothelial cell behavior in 3D printed small-diameter blood vessels 2022 , 212832		O
5	TISSUE ENGINEERING APPROACHES FOR KNEE JOINT REPAIR 2014 , 371-400		
4	Design a Biologically Inspired Nanostructured Coating for Better Osseointegration. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1418, 111		
3	Different Cell Responses on Biologically Inspired Nano-coatings for Orthopedic Applications. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1209, 1		
2	Cell Sources and Nanotechnology for Neural Tissue Engineering 2016 , 207-226		

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