List of Publications by Year in descending order

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		31976	23533
126	13,139	53	111
papers	citations	h-index	g-index
124	124	124	1(202
134	134	134	16292
all docs	docs citations	times ranked	citing authors

ΔΗ ΤΛΜΑΧΟΙ

#	Article	IF	CITATIONS
1	Tailoring the spatial filament organization within nanofibrous tissue engineering scaffolds. International Journal of Polymeric Materials and Polymeric Biomaterials, 2022, 71, 24-33.	3.4	1
2	In vivo printing of growth factor-eluting adhesive scaffolds improves wound healing. Bioactive Materials, 2022, 8, 296-308.	15.6	66
3	Bioinks and Bioprinting Strategies for Skeletal Muscle Tissue Engineering. Advanced Materials, 2022, 34, e2105883.	21.0	53
4	Multimodal sensing and therapeutic systems for wound healing and management: A review. Sensors and Actuators Reports, 2022, 4, 100075.	4.4	32
5	3D printing for soft musculoskeletal tissue engineering. , 2022, , 167-200.		0
6	(Bio)manufactured Solutions for Treatment of Bone Defects with an Emphasis on USâ€FDA Regulatory Science Perspective. Advanced NanoBiomed Research, 2022, 2, .	3.6	12
7	Nanoengineered myogenic scaffolds for skeletal muscle tissue engineering. Nanoscale, 2022, 14, 797-814.	5.6	23
8	Controlled release of azithromycin from polycaprolactone/chitosan nanofibrous membranes. Journal of Drug Delivery Science and Technology, 2022, 71, 103246.	3.0	4
9	A systematic overview of electrode configuration in electricâ€driven micropumps. Electrophoresis, 2022, 43, 1476-1520.	2.4	9
10	In situ bioprinting: intraoperative implementation of regenerative medicine. Trends in Biotechnology, 2022, 40, 1229-1247.	9.3	30
11	Extrusion bioprinting: Recent progress, challenges, and future opportunities. Bioprinting, 2021, 21, e00116.	5.8	87
12	Hydrogen Production by Immobilized Cells of Clostridium intestinale Strain URNW Using Alginate Beads. Applied Biochemistry and Biotechnology, 2021, 193, 1558-1573.	2.9	8
13	Fibrous Systems as Potential Solutions for Tendon and Ligament Repair, Healing, and Regeneration. Advanced Healthcare Materials, 2021, 10, e2001305.	7.6	35
14	In Vivo Printing of Nanoenabled Scaffolds for the Treatment of Skeletal Muscle Injuries. Advanced Healthcare Materials, 2021, 10, e2002152.	7.6	59
15	Miniaturized Needle Arrayâ€Mediated Drug Delivery Accelerates Wound Healing. Advanced Healthcare Materials, 2021, 10, e2001800.	7.6	27
16	3Dâ€Printed Hydrogelâ€Filled Microneedle Arrays. Advanced Healthcare Materials, 2021, 10, e2001922.	7.6	32
17	Corrugated Compliant Capacitor towards Smart Bandage Application. , 2021, , .		2
18	In situ printing of scaffolds for reconstruction of bone defects. Acta Biomaterialia, 2021, 127, 313-326.	8.3	41

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19	Controlling cellular organization in bioprinting through designed 3D microcompartmentalization. Applied Physics Reviews, 2021, 8, 021404.	11.3	45
20	How can smart dressings change the future of wound care?. Journal of Wound Care, 2021, 30, 512-513.	1.2	7
21	Three-Dimensional Printing Using a Maize Protein: Zein-Based Inks in Biomedical Applications. ACS Biomaterials Science and Engineering, 2021, 7, 3964-3979.	5.2	18
22	Physicochemical Interactions in Nanofunctionalized Alginate/GelMA IPN Hydrogels. Nanomaterials, 2021, 11, 2256.	4.1	15
23	Extrusion-based 3D (Bio)Printed Tissue Engineering Scaffolds: Process–Structure–Quality Relationships. ACS Biomaterials Science and Engineering, 2021, 7, 4694-4717.	5.2	12
24	Biofabrication of natural hydrogels for cardiac, neural, and bone Tissue engineering Applications. Bioactive Materials, 2021, 6, 3904-3923.	15.6	94
25	Controlled self-assembly of microgels in microdroplets. Sensors and Actuators B: Chemical, 2021, 348, 130693.	7.8	9
26	Nanoengineered Antiviral Fibrous Arrays with Rose-Thorn-Inspired Architectures. , 2021, 3, 1566-1571.		5
27	Colloidal multiscale porous adhesive (bio)inks facilitate scaffold integration. Applied Physics Reviews, 2021, 8, 041415.	11.3	28
28	Customizable Composite Fibers for Engineering Skeletal Muscle Models. ACS Biomaterials Science and Engineering, 2020, 6, 1112-1123.	5.2	29
29	A porous collagenâ€GAG scaffold promotes muscle regeneration following volumetric muscle loss injury. Wound Repair and Regeneration, 2020, 28, 61-74.	3.0	18
30	<i>In Situ</i> Printing of Adhesive Hydrogel Scaffolds for the Treatment of Skeletal Muscle Injuries. ACS Applied Bio Materials, 2020, 3, 1568-1579.	4.6	86
31	Microfluidic Systems with Embedded Cell Culture Chambers for High-Throughput Biological Assays. ACS Applied Bio Materials, 2020, 3, 6661-6671.	4.6	13
32	Cholesteryl Ester Liquid Crystal Nanofibers for Tissue Engineering Applications. , 2020, 2, 1067-1073.		23
33	Microneedle arrays for the treatment of chronic wounds. Expert Opinion on Drug Delivery, 2020, 17, 1767-1780.	5.0	70
34	Sustainable drug release from polycaprolactone coated chitin-lignin gel fibrous scaffolds. Scientific Reports, 2020, 10, 20428.	3.3	37
35	Oxygen-Releasing Antibacterial Nanofibrous Scaffolds for Tissue Engineering Applications. Polymers, 2020, 12, 1233.	4.5	45
36	Magnetic Nanoparticles in Cancer Therapy and Diagnosis. Advanced Healthcare Materials, 2020, 9, e1901058.	7.6	261

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37	Process–Structure–Quality Relationships of Three-Dimensional Printed Poly(Caprolactone)-Hydroxyapatite Scaffolds. Tissue Engineering - Part A, 2020, 26, 279-291.	3.1	50
38	Additive manufacturing of magnesium alloys. Bioactive Materials, 2020, 5, 44-54.	15.6	158
39	Effects of Bioactive Marine-Derived Liposomes on Two Human Breast Cancer Cell Lines. Marine Drugs, 2020, 18, 211.	4.6	17
40	Growth-Inhibitory Effect of Chitosan-Coated Liposomes Encapsulating Curcumin on MCF-7 Breast Cancer Cells. Marine Drugs, 2020, 18, 217.	4.6	48
41	A Wirelessly Controlled Smart Bandage with 3Dâ€Printed Miniaturized Needle Arrays. Advanced Functional Materials, 2020, 30, 1905544.	14.9	109
42	Nanocomposite hydrogels for tissue engineering applications. , 2020, , 499-528.		5
43	Electrospun Nanofibrous Membranes for Preventing Tendon Adhesion. ACS Biomaterials Science and Engineering, 2020, 6, 4356-4376.	5.2	21
44	Softâ€Nanoparticle Functionalization of Natural Hydrogels for Tissue Engineering Applications. Advanced Healthcare Materials, 2019, 8, e1900506.	7.6	95
45	Stimuli-responsive hydrogels for manipulation of cell microenvironment: From chemistry to biofabrication technology. Progress in Polymer Science, 2019, 98, 101147.	24.7	120
46	3D Bioprinting in Skeletal Muscle Tissue Engineering. Small, 2019, 15, e1805530.	10.0	192
47	Mechanical and Biochemical Stimulation of 3D Multilayered Scaffolds for Tendon Tissue Engineering. ACS Biomaterials Science and Engineering, 2019, 5, 2953-2964.	5.2	66
48	Breathable hydrogel dressings containing natural antioxidants for management of skin disorders. Journal of Biomaterials Applications, 2019, 33, 1265-1276.	2.4	30
49	Nanofibrous Scaffolds with Biomimetic Composition for Skin Regeneration. Applied Biochemistry and Biotechnology, 2019, 187, 1193-1203.	2.9	40
50	Fractureâ€Resistant and Bioresorbable Drugâ€Eluting Poly(glycerol Sebacate) Coils. Advanced Therapeutics, 2019, 2, 1800109.	3.2	7
51	Patient‣pecific Bioinks for 3D Bioprinting of Tissue Engineering Scaffolds. Advanced Healthcare Materials, 2018, 7, e1701347.	7.6	115
52	Drug delivery systems and materials for wound healing applications. Advanced Drug Delivery Reviews, 2018, 127, 138-166.	13.7	512
53	Nanobead-on-string composites for tendon tissue engineering. Journal of Materials Chemistry B, 2018, 6, 3116-3127.	5.8	49
54	Micro and nanotechnologies for bone regeneration: Recent advances and emerging designs. Journal of Controlled Release, 2018, 274, 35-55.	9.9	68

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55	Tissue Regeneration: A Multifunctional Polymeric Periodontal Membrane with Osteogenic and Antibacterial Characteristics (Adv. Funct. Mater. 3/2018). Advanced Functional Materials, 2018, 28, 1870021.	14.9	6
56	Rapid prototyping of whole-thermoplastic microfluidics with built-in microvalves using laser ablation and thermal fusion bonding. Sensors and Actuators B: Chemical, 2018, 255, 100-109.	7.8	104
57	Nanofibrous scaffolds with biomimetic structure. Journal of Biomedical Materials Research - Part A, 2018, 106, 370-376.	4.0	25
58	Visible light crosslinkable human hair keratin hydrogels. Bioengineering and Translational Medicine, 2018, 3, 37-48.	7.1	57
59	Characterization, mechanistic analysis and improving the properties of denture adhesives. Dental Materials, 2018, 34, 120-131.	3.5	16
60	Cellâ€laden composite suture threads for repairing damaged tendons. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 1039-1048.	2.7	25
61	A Multifunctional Polymeric Periodontal Membrane with Osteogenic and Antibacterial Characteristics. Advanced Functional Materials, 2018, 28, 1703437.	14.9	152
62	Dissolvable Stents: 3D-Printed Sugar-Based Stents Facilitating Vascular Anastomosis (Adv. Healthcare) Tj ETQqC) 0 0 rgBT /	Overlock 10 ⁻
63	3Dâ€Printed Sugarâ€Based Stents Facilitating Vascular Anastomosis. Advanced Healthcare Materials, 2018, 7, e1800702.	7.6	30
64	Smart Bandages: The Future of Wound Care. Trends in Biotechnology, 2018, 36, 1259-1274.	9.3	193
65	Smart Bandage for Monitoring and Treatment of Chronic Wounds. Small, 2018, 14, e1703509.	10.0	257
66	Neuroprotective and Anti-Inflammatory Effects of Rhus coriaria Extract in a Mouse Model of Ischemic Optic Neuropathy. Biomedicines, 2018, 6, 48.	3.2	21
67	The Effect of Poly (Glycerol Sebacate) Incorporation within Hybrid Chitin–Lignin Sol–Gel Nanofibrous Scaffolds. Materials, 2018, 11, 451.	2.9	23
68	The Positive Role of Curcumin-Loaded Salmon Nanoliposomes on the Culture of Primary Cortical Neurons. Marine Drugs, 2018, 16, 218.	4.6	37
69	Smart Bandages: Smart Bandage for Monitoring and Treatment of Chronic Wounds (Small 33/2018). Small, 2018, 14, 1870150.	10.0	4
70	lschemic optic neuropathy as a model of neurodegenerative disorder: A review of pathogenic mechanism of axonal degeneration and the role of neuroprotection. Journal of the Neurological Sciences, 2017, 375, 430-441.	0.6	27
71	Gold Nanocomposite Bioink for Printing 3D Cardiac Constructs. Advanced Functional Materials, 2017, 27, 1605352.	14.9	278
72	Highly Stretchable Potentiometric pH Sensor Fabricated via Laser Carbonization and Machining of Carbonâ^'Polyaniline Composite. ACS Applied Materials & Interfaces, 2017, 9, 9015-9023.	8.0	146

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73	Paper-based microfluidic system for tear electrolyte analysis. Lab on A Chip, 2017, 17, 1137-1148.	6.0	111
74	Engineering Photocrosslinkable Bicomponent Hydrogel Constructs for Creating 3D Vascularized Bone. Advanced Healthcare Materials, 2017, 6, 1601122.	7.6	59
75	Glucoseâ€ S ensitive Hydrogel Optical Fibers Functionalized with Phenylboronic Acid. Advanced Materials, 2017, 29, 1606380.	21.0	206
76	Bioprinted Osteogenic and Vasculogenic Patterns for Engineering 3D Bone Tissue. Advanced Healthcare Materials, 2017, 6, 1700015.	7.6	310
77	Ultrasound induced strain cytoskeleton rearrangement: An experimental and simulation study. Journal of Biomechanics, 2017, 60, 39-47.	2.1	34
78	A highly adhesive and naturally derived sealant. Biomaterials, 2017, 140, 115-127.	11.4	188
79	Tailored electrospun small-diameter graft for vascular prosthesis. International Journal of Polymeric Materials and Polymeric Biomaterials, 2017, 66, 635-643.	3.4	16
80	Tissue Engineering: Gold Nanocomposite Bioink for Printing 3D Cardiac Constructs (Adv. Funct.) Tj ETQq0 0 0 rg	BT /Oyerlo 14.9	ck ₃ 10 Tf 50 4
81	Single Cell Microgel Based Modular Bioinks for Uncoupled Cellular Micro―and Macroenvironments. Advanced Healthcare Materials, 2017, 6, 1600913.	7.6	84
82	Human Periodontal Ligament―and Gingivaâ€derived Mesenchymal Stem Cells Promote Nerve Regeneration When Encapsulated in Alginate/Hyaluronic Acid 3D Scaffold. Advanced Healthcare Materials, 2017, 6, 1700670.	7.6	59

83	A Textile Dressing for Temporal and Dosage Controlled Drug Delivery. Advanced Functional Materials, 2017, 27, 1702399.	14.9	187
84	Biodegradable elastic nanofibrous platforms with integrated flexible heaters for on-demand drug delivery. Scientific Reports, 2017, 7, 9220.	3.3	90
85	Spatially and temporally controlled hydrogels for tissue engineering. Materials Science and Engineering Reports, 2017, 119, 1-35.	31.8	151
86	Nanostructured Fibrous Membranes with Rose Spike-Like Architecture. Nano Letters, 2017, 17, 6235-6240.	9.1	72
87	3D Printed Anchoring Sutures for Permanent Shaping of Tissues. Macromolecular Bioscience, 2017, 17, 1700304.	4.1	7
88	Assessment of neuroprotective properties of Rhus coriaria L. ethanol extract in an in vitro model of retinal degeneration. Journal of Herbal Medicine, 2017, 10, 45-52.	2.0	10
89	In vitro and in vivo analysis of visible light crosslinkable gelatin methacryloyl (GelMA) hydrogels. Biomaterials Science, 2017, 5, 2093-2105.	5.4	218
90	Microfibrous silver-coated polymeric scaffolds with tunable mechanical properties. RSC Advances, 2017, 7, 34331-34338.	3.6	29

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91	Microengineered 3D cellâ€laden thermoresponsive hydrogels for mimicking cell morphology and orientation in cartilage tissue engineering. Biotechnology and Bioengineering, 2017, 114, 217-231.	3.3	61
92	Nanofibrous Silver-Coated Polymeric Scaffolds with Tunable Electrical Properties. Nanomaterials, 2017, 7, 63.	4.1	23
93	Time dependency of morphological remodeling of endothelial cells in response to substrate stiffness. BioImpacts, 2017, 7, 41-47.	1.5	11
94	Textile Technologies and Tissue Engineering: A Path Toward Organ Weaving. Advanced Healthcare Materials, 2016, 5, 751-766.	7.6	161
95	A Bioactive Carbon Nanotubeâ€Based Ink for Printing 2D and 3D Flexible Electronics. Advanced Materials, 2016, 28, 3280-3289.	21.0	199
96	Natural lecithin promotes neural network complexity and activity. Scientific Reports, 2016, 6, 25777.	3.3	33
97	Graphene-based materials for tissue engineering. Advanced Drug Delivery Reviews, 2016, 105, 255-274.	13.7	537
98	Highly Elastic and Conductive Humanâ€Based Protein Hybrid Hydrogels. Advanced Materials, 2016, 28, 40-49.	21.0	226
99	Biomarkers and diagnostic tools for detection of Helicobacter pylori. Applied Microbiology and Biotechnology, 2016, 100, 4723-4734.	3.6	20
100	A paper-based in vitro model for on-chip investigation of the human respiratory system. Lab on A Chip, 2016, 16, 4319-4325.	6.0	24
101	Textile Processes for Engineering Tissues with Biomimetic Architectures and Properties. Trends in Biotechnology, 2016, 34, 683-685.	9.3	31
102	Laterally Confined Microfluidic Patterning of Cells for Engineering Spatially Defined Vascularization. Small, 2016, 12, 5132-5139.	10.0	21
103	Dermal Patch with Integrated Flexible Heater for on Demand Drug Delivery. Advanced Healthcare Materials, 2016, 5, 175-184.	7.6	109
104	pH‣ensing Hydrogel Fibers: Flexible pH‣ensing Hydrogel Fibers for Epidermal Applications (Adv.) Tj ETQq0 C	0_rgBT /C	verlock 10 Tf
105	Flexible pHâ€ S ensing Hydrogel Fibers for Epidermal Applications. Advanced Healthcare Materials, 2016, 5, 711-719.	7.6	172
106	A liver-on-a-chip platform with bioprinted hepatic spheroids. Biofabrication, 2016, 8, 014101.	7.1	466
107	A low-cost flexible pH sensor array for wound assessment. Sensors and Actuators B: Chemical, 2016, 229, 609-617.	7.8	138
108	Bioactive Fibers: Hydrogel Templates for Rapid Manufacturing of Bioactive Fibers and 3D Constructs (Adv. Healthcare Mater. 14/2015). Advanced Healthcare Materials, 2015, 4, 2050-2050.	7.6	2

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109	Hydrogel Templates for Rapid Manufacturing of Bioactive Fibers and 3D Constructs. Advanced Healthcare Materials, 2015, 4, 2146-2153.	7.6	127
110	Smart flexible wound dressing with wireless drug delivery. , 2015, , .		11
111	Microfluidics for advanced drug delivery systems. Current Opinion in Chemical Engineering, 2015, 7, 101-112.	7.8	182
112	Elastic sealants for surgical applications. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 95, 27-39.	4.3	182
113	Adenosine-associated delivery systems. Journal of Drug Targeting, 2015, 23, 580-596.	4.4	34
114	Synthesis, properties, and biomedical applications of gelatin methacryloyl (GelMA) hydrogels. Biomaterials, 2015, 73, 254-271.	11.4	1,871
115	Serpentine and leading-edge capillary pumps for microfluidic capillary systems. Microfluidics and Nanofluidics, 2015, 18, 357-366.	2.2	34
116	Morphological and Physical Analysis of Natural Phospholipids-Based Biomembranes. PLoS ONE, 2014, 9, e107435.	2.5	24
117	25th Anniversary Article: Rational Design and Applications of Hydrogels in Regenerative Medicine. Advanced Materials, 2014, 26, 85-124.	21.0	1,103
118	Composite Living Fibers for Creating Tissue Constructs Using Textile Techniques. Advanced Functional Materials, 2014, 24, 4060-4067.	14.9	131
119	Numerical analysis of the curvature effects on Ranque–Hilsch vortex tube refrigerators. Applied Thermal Engineering, 2014, 65, 176-183.	6.0	37
120	Surgical materials: Current challenges and nano-enabled solutions. Nano Today, 2014, 9, 574-589.	11.9	158
121	Biodegradable Nanofibrous Polymeric Substrates for Generating Elastic and Flexible Electronics. Advanced Materials, 2014, 26, 5823-5830.	21.0	117
122	Microfluidic direct writer with integrated declogging mechanism for fabricating cell-laden hydrogel constructs. Biomedical Microdevices, 2014, 16, 387-395.	2.8	61
123	Numerical analysis for curved vortex tube optimization. International Communications in Heat and Mass Transfer, 2014, 50, 98-107.	5.6	46
124	Fiber-based tissue engineering: Progress, challenges, and opportunities. Biotechnology Advances, 2013, 31, 669-687.	11.7	386
125	Fluid flow and forced convection heat transfer around a solid cylinder wrapped with a porous ring. International Journal of Heat and Mass Transfer, 2013, 63, 91-100.	4.8	75
126	Measurement of pressure drop and flow resistance in microchannels with integrated micropillars. Microfluidics and Nanofluidics, 2013, 14, 711-721.	2.2	32