

Han-Jun Kim

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.

206
papers

8,295
citations

42
h-index

87
g-index

224
ext. papers

10,363
ext. citations

8.9
avg, IF

6.38
L-index

#	Paper	IF	Citations
206	Jammed Micro-Flake Hydrogel for 4D Living Cell Bioprinting.. <i>Advanced Materials</i> , 2022 , e2109394	24	10
205	Laponite-based Nanomaterials For Drug Delivery.. <i>Advanced Healthcare Materials</i> , 2022 , e2102054	10.1	2
204	Lab-on-a-Contact Lens: Recent Advances and Future Opportunities in Diagnostics and Therapeutics.. <i>Advanced Materials</i> , 2022 , e2108389	24	8
203	Engineering a naturally derived hemostatic sealant for sealing internal organs.. <i>Materials Today Bio</i> , 2022 , 13, 100199	9.9	3
202	4D biofabrication via instantly generated graded hydrogel scaffolds. <i>Bioactive Materials</i> , 2022 , 7, 324-332	16.7	7
201	Iron sulfate-reinforced hydrogel reactors with glucose deprivation, serial reactive oxygen species generation, ferroptosis induction, and photothermal ablation for cancer therapy. <i>Chemical Engineering Journal</i> , 2022 , 438, 135584	14.7	2
200	Stem cell-laden hydrogel bioink for generation of high resolution and fidelity engineered tissues with complex geometries.. <i>Bioactive Materials</i> , 2022 , 15, 185-193	16.7	2
199	Flexible patch with printable and antibacterial conductive hydrogel electrodes for accelerated wound healing.. <i>Biomaterials</i> , 2022 , 285, 121479	15.6	6
198	Attention2majority: Weak multiple instance learning for regenerative kidney grading on whole slide images.. <i>Medical Image Analysis</i> , 2022 , 79, 102462	15.4	1
197	Jammed Micro-Flake Hydrogel for Four-Dimensional Living Cell Bioprinting (Adv. Mater. 15/2022). <i>Advanced Materials</i> , 2022 , 34, 2270117	24	
196	Co-Electrospun Silk Fibroin and Gelatin Methacryloyl Sheet Seeded with Mesenchymal Stem Cells for Tendon Regeneration.. <i>Small</i> , 2022 , e2107714	11	7
195	Engineering liver microtissues to study the fusion of HepG2 with mesenchymal stem cells and invasive potential of fused cells. <i>Biofabrication</i> , 2021 , 14,	10.5	1
194	Recent Advances in Bioinspired Hydrogels: Materials, Devices, and Biosignal Computing. <i>ACS Biomaterials Science and Engineering</i> , 2021 ,	5.5	4
193	Changes in metabolites with harvest times of seedlings of various Korean oat (<i>Avena sativa</i> L.) cultivars and their neuraminidase inhibitory effects. <i>Food Chemistry</i> , 2021 , 373, 131429	8.5	1
192	Facile Preparation of β -Cyclodextrin-grafted Chitosan Electrospun Nanofibrous Scaffolds as a Hydrophobic Drug Delivery Vehicle for Tissue Engineering Applications. <i>ACS Omega</i> , 2021 , 6, 28307-28315	3.9	4
191	Comparison Study of Stem Cell-Derived Extracellular Vesicles for Enhanced Osteogenic Differentiation. <i>Tissue Engineering - Part A</i> , 2021 , 27, 1044-1054	3.9	6
190	Non-invasive in vivo monitoring of transplanted stem cells in 3D-bioprinted constructs using near-infrared fluorescent imaging. <i>Bioengineering and Translational Medicine</i> , 2021 , 6, e10216	14.8	0

189	Bioengineered Multicellular Liver Microtissues for Modeling Advanced Hepatic Fibrosis Driven Through Non-Alcoholic Fatty Liver Disease. <i>Small</i> , 2021 , 17, e2007425	11	10
188	Combinations of photoinitiator and UV absorber for cell-based digital light processing (DLP) bioprinting. <i>Biofabrication</i> , 2021 , 13,	10.5	11
187	Novel Dual-Lumen Drainage Catheter to Enhance the Active Evacuation of Complex Fluid Collections. <i>Journal of Vascular and Interventional Radiology</i> , 2021 , 32, 882-889	2.4	0
186	Direct Injection of Hydrogels Embedding Gold Nanoparticles for Local Therapy after Spinal Cord Injury. <i>Biomacromolecules</i> , 2021 , 22, 2887-2901	6.9	3
185	Four-Dimensional Materials: Induction of Four-Dimensional Spatiotemporal Geometric Transformations in High Cell Density Tissues via Shape-Changing Hydrogels (Adv. Funct. Mater. 24/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170176	15.6	2
184	Self-aligned myofibers in 3D bioprinted extracellular matrix-based construct accelerate skeletal muscle function restoration. <i>Applied Physics Reviews</i> , 2021 , 8, 021405	17.3	9
183	Micro and Nanoscale Technologies for Diagnosis of Viral Infections. <i>Small</i> , 2021 , 17, e2100692	11	5
182	Automated Image Analysis Methodologies to Compute Bioink Printability. <i>Advanced Engineering Materials</i> , 2021 , 23, 2000900	3.5	1
181	A photo-crosslinkable cartilage-derived extracellular matrix bioink for auricular cartilage tissue engineering. <i>Acta Biomaterialia</i> , 2021 , 121, 193-203	10.8	27
180	Serially pH-Modulated Hydrogels Based on Boronate Ester and Polydopamine Linkages for Local Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 2189-2203	9.5	12
179	Anti-bacterial and wound healing-promoting effects of zinc ferrite nanoparticles. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 38	9.4	25
178	Induction of 4D spatiotemporal geometric transformations in high cell density tissues via shape changing hydrogels. <i>Advanced Functional Materials</i> , 2021 , 31, 2010104	15.6	13
177	Polypseudorotaxane and polydopamine linkage-based hyaluronic acid hydrogel network with a single syringe injection for sustained drug delivery. <i>Carbohydrate Polymers</i> , 2021 , 266, 118104	10.3	5
176	Environmental Sampling for Avian Influenza Virus Detection in Commercial Layer Facilities. <i>Avian Diseases</i> , 2021 , 65, 391-400	1.6	0
175	3D macroporous biocomposites with a microfibrillar topographical cue enhance new bone formation through activation of the MAPK signaling pathways. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 104, 478-478	6.3	1
174	State of the art in integrated biosensors for organ-on-a-chip applications. <i>Current Opinion in Biomedical Engineering</i> , 2021 , 19, 100309	4.4	10
173	Recent developments in mussel-inspired materials for biomedical applications. <i>Biomaterials Science</i> , 2021 , 9, 6653-6672	7.4	8
172	Non-thermal plasma promotes hair growth by improving the inter-follicular macroenvironment.. <i>RSC Advances</i> , 2021 , 11, 27880-27896	3.7	1

171	Cancer-on-a-Chip for Modeling Immune Checkpoint Inhibitor and Tumor Interactions. <i>Small</i> , 2021 , 17, e2004282	11	12
170	Immunophenotyping of an Unusual Mixed-Type Extraskelatal Osteosarcoma in a Dog.. <i>Veterinary Sciences</i> , 2021 , 8,	2.4	
169	Multiple Undifferentiated Pleomorphic Sarcoma (Malignant Fibrous Histiocytoma) with Extradural Involvement in a 7-Year-Old Labrador Retriever.. <i>Veterinary Sciences</i> , 2021 , 9,	2.4	
168	Biodegradable β -Cyclodextrin Conjugated Gelatin Methacryloyl Microneedle for Delivery of Water-Insoluble Drug. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000527	10.1	35
167	Mechanical Cues Regulating Proangiogenic Potential of Human Mesenchymal Stem Cells through YAP-Mediated Mechanosensing. <i>Small</i> , 2020 , 16, e2001837	11	14
166	Induction of osteogenic differentiation in a rat calvarial bone defect model using an In situ forming graphene oxide incorporated glycol chitosan/oxidized hyaluronic acid injectable hydrogel. <i>Carbon</i> , 2020 , 168, 264-277	10.4	25
165	Antibody-Conjugated Electrospun Vascular Scaffolds to Enhance Endothelialization.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 4486-4494	4.1	2
164	Strategy to inhibit effective differentiation of RANKL-induced osteoclasts using vitamin D-conjugated gold nanoparticles. <i>Applied Surface Science</i> , 2020 , 527, 146765	6.7	3
163	The Role of the Microenvironment in Controlling the Fate of Bioprinted Stem Cells. <i>Chemical Reviews</i> , 2020 , 120, 11056-11092	68.1	19
162	Angiogenesis: Mechanical Cues Regulating Proangiogenic Potential of Human Mesenchymal Stem Cells through YAP-Mediated Mechanosensing (Small 25/2020). <i>Small</i> , 2020 , 16, 2070142	11	
161	Reno-protection of Urine-derived Stem Cells in A Chronic Kidney Disease Rat Model Induced by Renal Ischemia and Nephrotoxicity. <i>International Journal of Biological Sciences</i> , 2020 , 16, 435-446	11.2	10
160	Neural cell integration into 3D bioprinted skeletal muscle constructs accelerates restoration of muscle function. <i>Nature Communications</i> , 2020 , 11, 1025	17.4	70
159	Gelatin Methacryloyl Microneedle Patches for Minimally Invasive Extraction of Skin Interstitial Fluid. <i>Small</i> , 2020 , 16, e1905910	11	54
158	Synthesis of Injectable Shear-Thinning Biomaterials of Various Compositions of Gelatin and Synthetic Silicate Nanoplatelet. <i>Biotechnology Journal</i> , 2020 , 15, e1900456	5.6	9
157	A Patch of Detachable Hybrid Microneedle Depot for Localized Delivery of Mesenchymal Stem Cells in Regeneration Therapy. <i>Advanced Functional Materials</i> , 2020 , 30, 2000086	15.6	38
156	Combinatorial screening of biochemical and physical signals for phenotypic regulation of stem cell-based cartilage tissue engineering. <i>Science Advances</i> , 2020 , 6, eaaz5913	14.3	18
155	Minimally Invasive Technologies for Biosensing 2020 , 193-223		
154	Monitoring Physiological Changes in Neutron-Exposed Normal Mouse Brain Using FDG-PET and DW-MRI. <i>Radiation Research</i> , 2020 , 193, 54-62	3.1	0

153	Rhodamine Conjugated Gelatin Methacryloyl Nanoparticles for Stable Cell Imaging.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 6908-6918	4.1	5
152	Dexamethasone loaded bilayered 3D tubular scaffold reduces restenosis at the anastomotic site of tracheal replacement: in vitro and in vivo assessments. <i>Nanoscale</i> , 2020 , 12, 4846-4858	7.7	10
151	Comparison of polysaccharides in articular cartilage regeneration associated with chondrogenic and autophagy-related gene expression. <i>International Journal of Biological Macromolecules</i> , 2020 , 146, 922-930	7.9	7
150	Room-Temperature-Formed PEDOT:PSS Hydrogels Enable Injectable, Soft, and Healable Organic Bioelectronics. <i>Advanced Materials</i> , 2020 , 32, e1904752	24	97
149	Hydrogels: Room-Temperature-Formed PEDOT:PSS Hydrogels Enable Injectable, Soft, and Healable Organic Bioelectronics (Adv. Mater. 1/2020). <i>Advanced Materials</i> , 2020 , 32, 2070005	24	3
148	The effect of 3D printing on the morphological and mechanical properties of polycaprolactone filament and scaffold. <i>Polymers for Advanced Technologies</i> , 2020 , 31, 1038-1046	3.2	10
147	Bioprinted Skin Recapitulates Normal Collagen Remodeling in Full-Thickness Wounds. <i>Tissue Engineering - Part A</i> , 2020 , 26, 512-526	3.9	34
146	Non-transdermal microneedles for advanced drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2020 , 165-166, 41-59	18.5	46
145	Efficient myotube formation in 3D bioprinted tissue construct by biochemical and topographical cues. <i>Biomaterials</i> , 2020 , 230, 119632	15.6	65
144	Monopotassium phosphate-reinforced in situ forming injectable hyaluronic acid hydrogels for subcutaneous injection. <i>International Journal of Biological Macromolecules</i> , 2020 , 163, 2134-2144	7.9	7
143	Hypoxia Helps Maintain Nucleus Pulposus Homeostasis by Balancing Autophagy and Apoptosis. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 5915481	6.7	6
142	Wearable Tactile Sensors: Gelatin Methacryloyl-Based Tactile Sensors for Medical Wearables (Adv. Funct. Mater. 49/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070326	15.6	4
141	Biodegradable microneedle patch for transdermal gene delivery. <i>Nanoscale</i> , 2020 , 12, 16724-16729	7.7	18
140	Decellularized Skin Extracellular Matrix (dsECM) Improves the Physical and Biological Properties of Fibrinogen Hydrogel for Skin Bioprinting Applications. <i>Nanomaterials</i> , 2020 , 10,	5.4	16
139	NIR fluorescence for monitoring in vivo scaffold degradation along with stem cell tracking in bone tissue engineering. <i>Biomaterials</i> , 2020 , 258, 120267	15.6	17
138	Thrombolytic Agents: Nanocarriers in Controlled Release. <i>Small</i> , 2020 , 16, e2001647	11	12
137	3D Printing and NIR Fluorescence Imaging Techniques for the Fabrication of Implants. <i>Materials</i> , 2020 , 13,	3.5	2
136	3D Bioprinted Highly Elastic Hybrid Constructs for Advanced Fibrocartilaginous Tissue Regeneration. <i>Chemistry of Materials</i> , 2020 , 32, 8733-8746	9.6	14

135	The Influence of Printing Parameters and Cell Density on Bioink Printing Outcomes. <i>Tissue Engineering - Part A</i> , 2020 , 26, 1349-1358	3.9	15
134	Combined Effects of Electric Stimulation and Microgrooves in Cardiac Tissue-on-a-Chip for Drug Screening. <i>Small Methods</i> , 2020 , 4, 2000438	12.8	3
133	Gelatin methacryloyl-based tactile sensors for medical wearables. <i>Advanced Functional Materials</i> , 2020 , 30, 2003601	15.6	41
132	Physical and Chemical Factors Influencing the Printability of Hydrogel-based Extrusion Bioinks. <i>Chemical Reviews</i> , 2020 , 120, 10834-10886	68.1	41
131	A 3D-printed polycaprolactone/tricalcium phosphate mandibular prosthesis: A pilot animal study. <i>Laryngoscope</i> , 2020 , 130, 358-366	3.6	7
130	A novel decellularized skeletal muscle-derived ECM scaffolding system for in situ muscle regeneration. <i>Methods</i> , 2020 , 171, 77-85	4.6	21
129	Microneedle Patches: Gelatin Methacryloyl Microneedle Patches for Minimally Invasive Extraction of Skin Interstitial Fluid (Small 16/2020). <i>Small</i> , 2020 , 16, 2070086	11	1
128	Biofabrication of endothelial cell, dermal fibroblast, and multilayered keratinocyte layers for skin tissue engineering. <i>Biofabrication</i> , 2020 ,	10.5	16
127	Nanocomposite Hydrogel with Tantalum Microparticles for Rapid Endovascular Hemostasis. <i>Advanced Science</i> , 2020 , 8, 2003327	13.6	6
126	Regenerative Therapies for Spinal Cord Injury. <i>Tissue Engineering - Part B: Reviews</i> , 2019 , 25, 471-491	7.9	40
125	Three-dimensional printing of metals for biomedical applications. <i>Materials Today Bio</i> , 2019 , 3, 100024	9.9	90
124	Effect of Hierarchical Scaffold Consisting of Aligned dECM Nanofibers and Poly(lactide-glycolide) Struts on the Orientation and Maturation of Human Muscle Progenitor Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 39449-39458	9.5	24
123	Germinated soy germ extract ameliorates obesity through beige fat activation. <i>Food and Function</i> , 2019 , 10, 836-848	6.1	8
122	Macrophage cell tracking PET imaging using mesoporous silica nanoparticles via in vivo bioorthogonal F-18 labeling. <i>Biomaterials</i> , 2019 , 199, 32-39	15.6	17
121	A Human Liver-on-a-Chip Platform for Modeling Nonalcoholic Fatty Liver Disease. <i>Advanced Biology</i> , 2019 , 3, e1900104	3.5	34
120	Anti-neuroinflammatory gold nanocomplex loading ursodeoxycholic acid following spinal cord injury. <i>Chemical Engineering Journal</i> , 2019 , 375, 122088	14.7	10
119	Individual cell-only bioink and photocurable supporting medium for 3D printing and generation of engineered tissues with complex geometries. <i>Materials Horizons</i> , 2019 , 6, 1625-1631	14.4	78
118	Soyasaponin Ab alleviates postmenopausal obesity through browning of white adipose tissue. <i>Journal of Functional Foods</i> , 2019 , 57, 453-464	5.1	6

117	Simple and facile preparation of recombinant human bone morphogenetic protein-2 immobilized titanium implant via initiated chemical vapor deposition technique to promote osteogenesis for bone tissue engineering application. <i>Materials Science and Engineering C</i> , 2019 , 100, 949-958	8.3	21
116	Effect of Human Amniotic Fluid Stem Cells on Kidney Function in a Model of Chronic Kidney Disease. <i>Tissue Engineering - Part A</i> , 2019 , 25, 1493-1503	3.9	9
115	In vitro and in vivo assessments of an optimal polyblend composition of polycaprolactone/gelatin nanofibrous scaffolds for Achilles tendon tissue engineering. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 76, 173-180	6.3	7
114	Intra-articular delivery of synovium-resident mesenchymal stem cells via BMP-7-loaded fibrous PLGA scaffolds for cartilage repair. <i>Journal of Controlled Release</i> , 2019 , 302, 169-180	11.7	23
113	A Photo-Crosslinkable Kidney ECM-Derived Bioink Accelerates Renal Tissue Formation. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1800992	10.1	97
112	Injectable biodegradable gelatin-methacrylate/tricalcium phosphate composite for the repair of bone defects. <i>Chemical Engineering Journal</i> , 2019 , 365, 30-39	14.7	28
111	Vitamin D-conjugated gold nanoparticles as functional carriers to enhancing osteogenic differentiation. <i>Science and Technology of Advanced Materials</i> , 2019 , 20, 826-836	7.1	15
110	In Vitro Human Liver Model of Nonalcoholic Steatohepatitis by Coculturing Hepatocytes, Endothelial Cells, and Kupffer Cells. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1901379	10.1	24
109	Fabrication and characterization of 3D-printed elastic auricular scaffolds: A pilot study. <i>Laryngoscope</i> , 2019 , 129, 351-357	3.6	8
108	Development of a three-dimensionally printed scaffold grafted with bone forming peptide-1 for enhanced bone regeneration with in vitro and in vivo evaluations. <i>Journal of Colloid and Interface Science</i> , 2019 , 539, 468-480	9.3	22
107	Organ-on-a-Chip for Cancer and Immune Organs Modeling. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801363	13.63	71
106	Vascular endothelial growth factor immobilized on mussel-inspired three-dimensional bilayered scaffold for artificial vascular graft application: In vitro and in vivo evaluations. <i>Journal of Colloid and Interface Science</i> , 2019 , 537, 333-344	9.3	29
105	Nanoemulsion Vehicles as Carriers for Follicular Delivery of Luteolin. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 1723-1729	5.5	12
104	Precisely printable and biocompatible silk fibroin bioink for digital light processing 3D printing. <i>Nature Communications</i> , 2018 , 9, 1620	17.4	295
103	3D bioprinted functional and contractile cardiac tissue constructs. <i>Acta Biomaterialia</i> , 2018 , 70, 48-56	10.8	153
102	In Situ Tissue Regeneration of Renal Tissue Induced by Collagen Hydrogel Injection. <i>Stem Cells Translational Medicine</i> , 2018 , 7, 241-250	6.9	16
101	Biofabrication strategies for 3D in vitro models and regenerative medicine. <i>Nature Reviews Materials</i> , 2018 , 3, 21-37	73.3	317
100	Multilayered co-electrospun scaffold containing silver sulfadiazine as a prophylactic against osteomyelitis: Characterization and biological in vitro evaluations. <i>Applied Surface Science</i> , 2018 , 432, 308-316	6.7	13

99	Poly(lactide-co-glycolide) nanofibrous scaffolds chemically coated with gold-nanoparticles as osteoinductive agents for osteogenesis. <i>Applied Surface Science</i> , 2018 , 432, 300-307	6.7	22
98	Ultrasound-triggered PLGA microparticle destruction and degradation for controlled delivery of local cytotoxicity and drug release. <i>International Journal of Biological Macromolecules</i> , 2018 , 106, 1211-1217	7.9	12
97	In situ gold nanoparticle growth on polydopamine-coated 3D-printed scaffolds improves osteogenic differentiation for bone tissue engineering applications: in vitro and in vivo studies. <i>Nanoscale</i> , 2018 , 10, 15447-15453	7.7	46
96	Polydopamine-mediated surface modifications of poly l-lactic acid with hydroxyapatite, heparin and bone morphogenetic protein-2 and their effects on osseointegration. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 67, 244-254	6.3	6
95	Neuroprotective effects of hydrogen inhalation in an experimental rat intracerebral hemorrhage model. <i>Brain Research Bulletin</i> , 2018 , 142, 122-128	3.9	23
94	3D Bioprinted Human Skeletal Muscle Constructs for Muscle Function Restoration. <i>Scientific Reports</i> , 2018 , 8, 12307	4.9	106
93	3D Bioprinted BioMask for Facial Skin Reconstruction. <i>Bioprinting</i> , 2018 , 10, e00028-e00028	7	42
92	3D printed cell-laden collagen and hybrid scaffolds for in vivo articular cartilage tissue regeneration. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 66, 343-355	6.3	34
91	Preparation of antibacterial chitosan membranes containing silver nanoparticles for dental barrier membrane applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 66, 196-202	6.3	34
90	Subcutaneous Fibrosarcoma in the Occipital Region with Nuchal Crest Adhesion in a 5-month-old Dog. <i>Journal of Veterinary Clinics</i> , 2018 , 35, 63-66	0.1	
89	Three-dimensional bioprinting for organ bioengineering: promise and pitfalls. <i>Current Opinion in Organ Transplantation</i> , 2018 , 23, 649-656	2.5	7
88	Injectable hydrogel composite containing modified gold nanoparticles: implication in bone tissue regeneration. <i>International Journal of Nanomedicine</i> , 2018 , 13, 7019-7031	7.3	33
87	Genomic Sequence of a Swine Pasivirus Type 1 Strain Identified in U.S. Swine. <i>Genome Announcements</i> , 2018 , 6,		1
86	Image-Guided Neutron Capture Therapy Using the Gd-DO3A-BTA Complex as a New Combinatorial Treatment Approach. <i>Contrast Media and Molecular Imaging</i> , 2018 , 2018, 3727109	3.2	10
85	Germinated soy germ with increased soyasaponin Ab improves BMP-2-induced bone formation and protects against in vivo bone loss in osteoporosis. <i>Scientific Reports</i> , 2018 , 8, 12970	4.9	14
84	Biofunctionalization of Nerve Interface via Biocompatible Polymer-Roughened Pt Black on Cuff Electrode for Chronic Recording. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601022	10.1	13
83	Fabrication and design of bioactive agent coated, highly-aligned electrospun matrices for nerve tissue engineering: Preparation, characterization and application. <i>Applied Surface Science</i> , 2017 , 424, 359-367	6.7	15
82	Flexible and Highly Biocompatible Nanofiber-Based Electrodes for Neural Surface Interfacing. <i>ACS Nano</i> , 2017 , 11, 2961-2971	16.7	45

81	Electrospun vascular scaffold for cellularized small diameter blood vessels: A preclinical large animal study. <i>Acta Biomaterialia</i> , 2017 , 59, 58-67	10.8	67
80	In vitro skin expansion: Wound healing assessment. <i>Wound Repair and Regeneration</i> , 2017 , 25, 398-407	3.6	3
79	Multi-tissue interactions in an integrated three-tissue organ-on-a-chip platform. <i>Scientific Reports</i> , 2017 , 7, 8837	4.9	297
78	Biological assessments of multifunctional hydrogel-decorated implantable neural cuff electrode for clinical neurology application. <i>Scientific Reports</i> , 2017 , 7, 15245	4.9	9
77	Most simple preparation of an inkjet printing of silver nanoparticles on fibrous membrane for water purification: Technological and commercial application. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 46, 273-278	6.3	26
76	Regulation of Adipogenesis Through Differential Modulation of ROS and Kinase Signaling Pathways by 3,4FDihydroxyflavone Treatment. <i>Journal of Cellular Biochemistry</i> , 2017 , 118, 1065-1077	4.7	10
75	Novel 3D printed alginateBFP1 hybrid scaffolds for enhanced bone regeneration. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 45, 61-67	6.3	36
74	Primary intrapelvic hemangiosarcoma in a dog. <i>Journal of Veterinary Medical Science</i> , 2017 , 79, 192-196	1.1	2
73	The use of heparin chemistry to improve dental osteogenesis associated with implants. <i>Carbohydrate Polymers</i> , 2017 , 157, 1750-1758	10.3	13
72	Preparation of mechanically enhanced hydrogel scaffolds by incorporating interfacial polymer nanorods for nerve electrode application. <i>Fibers and Polymers</i> , 2017 , 18, 2248-2254	2	4
71	Extranodal marginal zone B-cell lymphomas of the bilateral third eyelids in a dog. <i>Veterinari Medicina</i> , 2017 , 62, 351-355	0.7	
70	Preparation of Pendant Group-Functionalized Diblock Copolymers with Adjustable Thermogelling Behavior. <i>Polymers</i> , 2017 , 9,	4.5	4
69	3D Integrated Tissue and Organ Printing System to Produce Human Body Parts with Structural Integrity. <i>FASEB Journal</i> , 2017 , 31, 92.1	0.9	
68	Cutaneous extrarenal rhabdoid tumor in a dog: a case report. <i>Veterinari Medicina</i> , 2016 , 60, 115-119	0.7	
67	Spindle cell lipoma in the gingiva of a dog: a case report. <i>Veterinari Medicina</i> , 2016 , 60, 336-340	0.7	
66	Secondary abdominal pregnancy with foetal mummification diagnosed using computed tomography in a dog: a case report. <i>Veterinari Medicina</i> , 2016 , 61, 51-55	0.7	2
65	Development of novel photopolymerizable hyaluronic acid/heparin-based hydrogel scaffolds with a controlled release of growth factors for enhanced bone regeneration. <i>Macromolecular Research</i> , 2016 , 24, 829-837	1.9	7
64	Characterization of nerve-cuff electrode interface for biocompatible and chronic stimulating application. <i>Sensors and Actuators B: Chemical</i> , 2016 , 237, 924-934	8.5	29

63	Inhibition of Osteoclast Differentiation and Bone Resorption by Bisphosphonate-conjugated Gold Nanoparticles. <i>Scientific Reports</i> , 2016 , 6, 27336	4.9	49
62	Mesenchymal cells condensation-inducible mesh scaffolds for cartilage tissue engineering. <i>Biomaterials</i> , 2016 , 85, 18-29	15.6	50
61	Combination of small RNAs for skeletal muscle regeneration. <i>FASEB Journal</i> , 2016 , 30, 1198-206	0.9	11
60	Surface modification of 3D-printed porous scaffolds via mussel-inspired polydopamine and effective immobilization of rhBMP-2 to promote osteogenic differentiation for bone tissue engineering. <i>Acta Biomaterialia</i> , 2016 , 40, 182-191	10.8	141
59	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
58	A 3D bioprinting system to produce human-scale tissue constructs with structural integrity. <i>Nature Biotechnology</i> , 2016 , 34, 312-9	44.5	1602
57	Expression of neurotrophic factors in injured spinal cord after transplantation of human-umbilical cord blood stem cells in rats. <i>Journal of Veterinary Science</i> , 2016 , 17, 97-102	1.6	20
56	Platelet-Rich Plasma Increases the Levels of Catabolic Molecules and Cellular Dedifferentiation in the Meniscus of a Rabbit Model. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	21
55	Segmental tracheal reconstruction by 3D-printed scaffold: Pivotal role of asymmetrically porous membrane. <i>Laryngoscope</i> , 2016 , 126, E304-9	3.6	18
54	One-Step Fabrication of AgNPs Embedded Hybrid Dual Nanofibrous Oral Wound Dressings. <i>Journal of Biomedical Nanotechnology</i> , 2016 , 12, 2041-50	4	18
53	Three-dimensional cell-based bioprinting for soft tissue regeneration. <i>Tissue Engineering and Regenerative Medicine</i> , 2016 , 13, 647-662	4.5	37
52	Preparation of Electrospun Fibrous Scaffold Containing Silver Sulfadiazine for Biomedical Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 8554-8558	1.3	9
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