Han-Jun Kim

List of Publications by Year
in descending order

213 papers	12,652 citations	31976 53 h-index	28297 105 g-index
224 all docs	224 docs citations	224 times ranked	14991 citing authors

#	Article	IF	Citations
1	Recent Advances in Bioinspired Hydrogels: Materials, Devices, and Biosignal Computing. ACS Biomaterials Science and Engineering, 2023, 9, 2048-2069.	5.2	27
2	4D biofabrication via instantly generated graded hydrogel scaffolds. Bioactive Materials, 2022, 7, 324-332.	15.6	45
3	Changes in metabolites with harvest times of seedlings of various Korean oat (Avena sativa L.) cultivars and their neuraminidase inhibitory effects. Food Chemistry, 2022, 373, 131429.	8.2	7
4	Engineering liver microtissues to study the fusion of HepG2 with mesenchymal stem cells and invasive potential of fused cells. Biofabrication, 2022, 14, 014104.	7.1	5
5	Engineering a naturally derived hemostatic sealant for sealing internal organs. Materials Today Bio, 2022, 13, 100199.	5.5	26
6	Jammed Microâ€Flake Hydrogel for Fourâ€Dimensional Living Cell Bioprinting. Advanced Materials, 2022, 34, e2109394.	21.0	49
7	Laponiteâ€Based Nanomaterials for Drug Delivery. Advanced Healthcare Materials, 2022, 11, e2102054.	7.6	48
8	pH-Responsive doxorubicin delivery using shear-thinning biomaterials for localized melanoma treatment. Nanoscale, 2022, 14, 350-360.	5.6	15
9	Labâ€onâ€aâ€Contact Lens: Recent Advances and Future Opportunities in Diagnostics and Therapeutics. Advanced Materials, 2022, 34, e2108389.	21.0	48
10	Receptorâ€Level Proximity and Fastening of Ligands Modulates Stem Cell Differentiation. Advanced Functional Materials, 2022, 32, .	14.9	11
11	Iron sulfate-reinforced hydrogel reactors with glucose deprivation, serial reactive oxygen species generation, ferroptosis induction, and photothermal ablation for cancer therapy. Chemical Engineering Journal, 2022, 438, 135584.	12.7	17
12	Stem cell-laden hydrogel bioink for generation of high resolution and fidelity engineered tissues with complex geometries. Bioactive Materials, 2022, 15, 185-193.	15.6	17
13	Multiple Undifferentiated Pleomorphic Sarcoma (Malignant Fibrous Histiocytoma) with Extradural Involvement in a 7-Year-Old Labrador Retriever. Veterinary Sciences, 2022, 9, 3.	1.7	1
14	Flexible patch with printable and antibacterial conductive hydrogel electrodes for accelerated wound healing. Biomaterials, 2022, 285, 121479.	11.4	68
15	Attention2majority: Weak multiple instance learning for regenerative kidney grading on whole slide images. Medical Image Analysis, 2022, 79, 102462.	11.6	19
16	Jammed Microâ€Flake Hydrogel for Fourâ€Dimensional Living Cell Bioprinting (Adv. Mater. 15/2022). Advanced Materials, 2022, 34, .	21.0	1
17	Coâ€Electrospun Silk Fibroin and Gelatin Methacryloyl Sheet Seeded with Mesenchymal Stem Cells for Tendon Regeneration. Small, 2022, 18, e2107714.	10.0	23
18	Immediately implantable extracellular matrix-enriched osteoinductive hydrogel-laden 3D-printed scaffold for promoting vascularized bone regeneration in vivo. Materials and Design, 2022, 219, 110801.	7.0	6

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19	Comparison Study of Stem Cell-Derived Extracellular Vesicles for Enhanced Osteogenic Differentiation. Tissue Engineering - Part A, 2021, 27, 1044-1054.	3.1	14
20	Biofabrication of endothelial cell, dermal fibroblast, and multilayered keratinocyte layers for skin tissue engineering. Biofabrication, 2021, 13, 035030.	7.1	54
21	Nanocomposite Hydrogel with Tantalum Microparticles for Rapid Endovascular Hemostasis. Advanced Science, 2021, 8, 2003327.	11.2	23
22	Automated Image Analysis Methodologies to Compute Bioink Printability. Advanced Engineering Materials, 2021, 23, 2000900.	3.5	7
23	A photo-crosslinkable cartilage-derived extracellular matrix bioink for auricular cartilage tissue engineering. Acta Biomaterialia, 2021, 121, 193-203.	8.3	81
24	Serially pH-Modulated Hydrogels Based on Boronate Ester and Polydopamine Linkages for Local Cancer Therapy. ACS Applied Materials & Interfaces, 2021, 13, 2189-2203.	8.0	36
25	Intravascular Embolization: Nanocomposite Hydrogel with Tantalum Microparticles for Rapid Endovascular Hemostasis (Adv. Sci. 1/2021). Advanced Science, 2021, 8, 2170002.	11.2	1
26	Antiâ€bacterial and wound healingâ€promoting effects of zinc ferrite nanoparticles. Journal of Nanobiotechnology, 2021, 19, 38.	9.1	87
27	Induction of Fourâ€Dimensional Spatiotemporal Geometric Transformations in High Cell Density Tissues via Shapeâ€Changing Hydrogels. Advanced Functional Materials, 2021, 31, 2010104.	14.9	39
28	Nonâ€invasive in vivo monitoring of transplanted stem cells in <scp>3D</scp>â€bioprinted constructs using nearâ€infrared fluorescent imaging. Bioengineering and Translational Medicine, 2021, 6, e10216.	7.1	9
29	Bioengineered Multicellular Liver Microtissues for Modeling Advanced Hepatic Fibrosis Driven Through Nonâ€Alcoholic Fatty Liver Disease. Small, 2021, 17, e2007425.	10.0	20
30	Combinations of photoinitiator and UV absorber for cell-based digital light processing (DLP) bioprinting. Biofabrication, 2021, 13, 034103.	7.1	50
31	Aggressive behaviour ofâ€Hodgkin's-like lymphoma inâ€a domestic ferret. Veterinarni Medicina, 2021, 66, 225-232.	0.6	0
32	Novel Dual-Lumen Drainage Catheter to Enhance the Active Evacuation of Complex Fluid Collections. Journal of Vascular and Interventional Radiology, 2021, 32, 882-889.	0.5	3
33	Direct Injection of Hydrogels Embedding Gold Nanoparticles for Local Therapy after Spinal Cord Injury. Biomacromolecules, 2021, 22, 2887-2901.	5.4	21
34	Fourâ€Dimensional Materials: Induction of Fourâ€Dimensional Spatiotemporal Geometric Transformations in High Cell Density Tissues via Shapeâ€Changing Hydrogels (Adv. Funct. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	14.9	
35	Self-aligned myofibers in 3D bioprinted extracellular matrix-based construct accelerate skeletal muscle function restoration. Applied Physics Reviews, 2021, 8, 021405.	11.3	33
36	Micro and Nanoscale Technologies for Diagnosis of Viral Infections. Small, 2021, 17, e2100692.	10.0	16

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37	Polypseudorotaxane and polydopamine linkage-based hyaluronic acid hydrogel network with a single syringe injection for sustained drug delivery. Carbohydrate Polymers, 2021, 266, 118104.	10.2	29
38	Environmental Sampling for Avian Influenza Virus Detection in Commercial Layer Facilities. Avian Diseases, 2021, 65, 391-400.	1.0	4
39	3D macroporous biocomposites with a microfibrous topographical cue enhance new bone formation through activation of the MAPK signaling pathways. Journal of Industrial and Engineering Chemistry, 2021, 104, 478-490.	5.8	6
40	State of the art in integrated biosensors for organ-on-a-chip applications. Current Opinion in Biomedical Engineering, 2021, 19, 100309.	3.4	34
41	Recent developments in mussel-inspired materials for biomedical applications. Biomaterials Science, 2021, 9, 6653-6672.	5.4	42
42	Non-thermal plasma promotes hair growth by improving the inter-follicular macroenvironment. RSC Advances, 2021, 11, 27880-27896.	3.6	5
43	Cancerâ€onâ€aâ€Chip for Modeling Immune Checkpoint Inhibitor and Tumor Interactions. Small, 2021, 17, e2004282.	10.0	30
44	Facile Preparation of Î²-Cyclodextrin-grafted Chitosan Electrospun Nanofibrous Scaffolds as a Hydrophobic Drug Delivery Vehicle for Tissue Engineering Applications. ACS Omega, 2021, 6, 28307-28315.	3.5	12
45	The Effectiveness of Compartmentalized Bone Graft Sponges Made Using Complementary Bone Graft Materials and Succinylated Chitosan Hydrogels. Biomedicines, 2021, 9, 1765.	3.2	2
46	Immunophenotyping of an Unusual Mixed-Type Extraskeletal Osteosarcoma in a Dog. Veterinary Sciences, 2021, 8, 307.	1.7	1
47	A 3Dâ€printed polycaprolactone/Î²â€tricalcium phosphate mandibular prosthesis: A pilot animal study. Laryngoscope, 2020, 130, 358-366.	2.0	15
48	A novel decellularized skeletal muscle-derived ECM scaffolding system for in situ muscle regeneration. Methods, 2020, 171, 77-85.	3.8	39
49	Comparison of polysaccharides in articular cartilage regeneration associated with chondrogenic and autophagy-related gene expression. International Journal of Biological Macromolecules, 2020, 146, 922-930.	7.5	19
50	Roomâ€Temperatureâ€Formed PEDOT:PSS Hydrogels Enable Injectable, Soft, and Healable Organic Bioelectronics. Advanced Materials, 2020, 32, e1904752.	21.0	158
51	Hydrogels: Roomâ€Temperatureâ€Formed PEDOT:PSS Hydrogels Enable Injectable, Soft, and Healable Organic Bioelectronics (Adv. Mater. 1/2020). Advanced Materials, 2020, 32, 2070005.	21.0	3
52	The effect of 3D printing on the morphological and mechanical properties of polycaprolactone filament and scaffold. Polymers for Advanced Technologies, 2020, 31, 1038-1046.	3.2	28
53	Bioprinted Skin Recapitulates Normal Collagen Remodeling in Full-Thickness Wounds. Tissue Engineering - Part A, 2020, 26, 512-526.	3.1	79
54	Non-transdermal microneedles for advanced drug delivery. Advanced Drug Delivery Reviews, 2020, 165-166, 41-59.	13.7	80

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55	Efficient myotube formation in 3D bioprinted tissue construct by biochemical and topographical cues. Biomaterials, 2020, 230, 119632.	11.4	120
56	Monopotassium phosphate-reinforced in situ forming injectable hyaluronic acid hydrogels for subcutaneous injection. International Journal of Biological Macromolecules, 2020, 163, 2134-2144.	7.5	24
57	Hypoxia Helps Maintain Nucleus Pulposus Homeostasis by Balancing Autophagy and Apoptosis. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-13.	4.0	11
58	Wearable Tactile Sensors: Gelatin Methacryloylâ€Based Tactile Sensors for Medical Wearables (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	14.9	6
59	Terasaki Institute: Innovating Personalized Health through Convergent Science and Bioengineering. Matter, 2020, 3, 324-326.	10.0	0
60	Biodegradable microneedle patch for transdermal gene delivery. Nanoscale, 2020, 12, 16724-16729.	5.6	57
61	Decellularized Skin Extracellular Matrix (dsECM) Improves the Physical and Biological Properties of Fibrinogen Hydrogel for Skin Bioprinting Applications. Nanomaterials, 2020, 10, 1484.	4.1	41
62	NIR fluorescence for monitoring in vivo scaffold degradation along with stem cell tracking in bone tissue engineering. Biomaterials, 2020, 258, 120267.	11.4	40
63	Thrombolytic Agents: Nanocarriers in Controlled Release. Small, 2020, 16, e2001647.	10.0	32
64	3D Printing and NIR Fluorescence Imaging Techniques for the Fabrication of Implants. Materials, 2020, 13, 4819.	2.9	6
65	3D Bioprinted Highly Elastic Hybrid Constructs for Advanced Fibrocartilaginous Tissue Regeneration. Chemistry of Materials, 2020, 32, 8733-8746.	6.7	40
66	The Influence of Printing Parameters and Cell Density on Bioink Printing Outcomes. Tissue Engineering - Part A, 2020, 26, 1349-1358.	3.1	36
67	Combined Effects of Electric Stimulation and Microgrooves in Cardiac Tissueâ€onâ€aâ€Chip for Drug Screening. Small Methods, 2020, 4, 2000438.	8.6	15
68	Gelatin Methacryloylâ€Based Tactile Sensors for Medical Wearables. Advanced Functional Materials, 2020, 30, 2003601.	14.9	112
69	Physical and Chemical Factors Influencing the Printability of Hydrogel-based Extrusion Bioinks. Chemical Reviews, 2020, 120, 10834-10886.	47.7	107
70	Biodegradable Î²â€Cyclodextrin Conjugated Gelatin Methacryloyl Microneedle for Delivery of Waterâ€Insoluble Drug. Advanced Healthcare Materials, 2020, 9, e2000527.	7.6	91
71	Mechanical Cues Regulating Proangiogenic Potential of Human Mesenchymal Stem Cells through YAPâ€Mediated Mechanosensing. Small, 2020, 16, e2001837.	10.0	25
72	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. Carbon, 2020, 168, 264-277.	10.3	46

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73	Antibody-Conjugated Electrospun Vascular Scaffolds to Enhance In Situ Endothelialization. ACS Applied Bio Materials, 2020, 3, 4486-4494.	4.6	8
74	Strategy to inhibit effective differentiation of RANKL-induced osteoclasts using vitamin D-conjugated gold nanoparticles. Applied Surface Science, 2020, 527, 146765.	6.1	12
75	The Role of the Microenvironment in Controlling the Fate of Bioprinted Stem Cells. Chemical Reviews, 2020, 120, 11056-11092.	47.7	37
76	Angiogenesis: Mechanical Cues Regulating Proangiogenic Potential of Human Mesenchymal Stem Cells through YAPâ€Mediated Mechanosensing (Small 25/2020). Small, 2020, 16, 2070142.	10.0	0
77	Reno-protection of Urine-derived Stem Cells in A Chronic Kidney Disease Rat Model Induced by Renal Ischemia and Nephrotoxicity. International Journal of Biological Sciences, 2020, 16, 435-446.	6.4	26
78	Neural cell integration into 3D bioprinted skeletal muscle constructs accelerates restoration of muscle function. Nature Communications, 2020, 11, 1025.	12.8	130
79	Gelatin Methacryloyl Microneedle Patches for Minimally Invasive Extraction of Skin Interstitial Fluid. Small, 2020, 16, e1905910.	10.0	104
80	Synthesis of Injectable Shearâ€Thinning Biomaterials of Various Compositions of Gelatin and Synthetic Silicate Nanoplatelet. Biotechnology Journal, 2020, 15, e1900456.	3.5	25
81	A Patch of Detachable Hybrid Microneedle Depot for Localized Delivery of Mesenchymal Stem Cells in Regeneration Therapy. Advanced Functional Materials, 2020, 30, 2000086.	14.9	91
82	Microneedle Patches: Gelatin Methacryloyl Microneedle Patches for Minimally Invasive Extraction of Skin Interstitial Fluid (Small 16/2020). Small, 2020, 16, 2070086.	10.0	4
83	Rhodamine Conjugated Gelatin Methacryloyl Nanoparticles for Stable Cell Imaging. ACS Applied Bio Materials, 2020, 3, 6908-6918.	4.6	12
84	Dexamethasone loaded bilayered 3D tubular scaffold reduces restenosis at the anastomotic site of tracheal replacement: in vitro and in vivo assessments. Nanoscale, 2020, 12, 4846-4858.	5.6	23
85	Combinatorial screening of biochemical and physical signals for phenotypic regulation of stem cellâ€“based cartilage tissue engineering. Science Advances, 2020, 6, eaaz5913.	10.3	42
86	Minimally Invasive Technologies for Biosensing. , 2020, , 193-223.		0
87	Vitamin D-conjugated gold nanoparticles as functional carriers to enhancing osteogenic differentiation. Science and Technology of Advanced Materials, 2019, 20, 826-836.	6.1	33
88	Liverâ€onâ€aâ€Chip: A Human Liverâ€onâ€aâ€Chip Platform for Modeling Nonalcoholic Fatty Liver Disease (Adv.) Tj ETQq0 0 0 rgBT /Ov	3.0	1
89	Regenerative Therapies for Spinal Cord Injury. Tissue Engineering - Part B: Reviews, 2019, 25, 471-491.	4.8	100
90	Three-dimensional printing of metals for biomedical applications. Materials Today Bio, 2019, 3, 100024.	5.5	150

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91	Effect of Hierarchical Scaffold Consisting of Aligned dECM Nanofibers and Poly(lactide-co-glycolide) Struts on the Orientation and Maturation of Human Muscle Progenitor Cells. ACS Applied Materials & Interfaces, 2019, 11, 39449-39458.	8.0	46
92	Germinated soy germ extract ameliorates obesity through beige fat activation. Food and Function, 2019, 10, 836-848.	4.6	12
93	Macrophage cell tracking PET imaging using mesoporous silica nanoparticles via in vivo bioorthogonal F-18 labeling. Biomaterials, 2019, 199, 32-39.	11.4	34
94	A Human Liverâ€onâ€aâ€Chip Platform for Modeling Nonalcoholic Fatty Liver Disease. Advanced Biology, 2019, 3, e1900104.	3.0	50
95	Anti-neuroinflammatory gold nanocomplex loading ursodeoxycholic acid following spinal cord injury. Chemical Engineering Journal, 2019, 375, 122088.	12.7	21
96	Individual cell-only bioink and photocurable supporting medium for 3D printing and generation of engineered tissues with complex geometries. Materials Horizons, 2019, 6, 1625-1631.	12.2	161
97	Soyasaponin Ab alleviates postmenopausal obesity through browning of white adipose tissue. Journal of Functional Foods, 2019, 57, 453-464.	3.4	8
98	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. Materials Science and Engineering C, 2019, 100, 949-958.	7.3	39
99	Effect of Human Amniotic Fluid Stem Cells on Kidney Function in a Model of Chronic Kidney Disease. Tissue Engineering - Part A, 2019, 25, 1493-1503.	3.1	12
100	In vitro and in vivo assessments of an optimal polyblend composition of polycaprolactone/gelatin nanofibrous scaffolds for Achilles tendon tissue engineering. Journal of Industrial and Engineering Chemistry, 2019, 76, 173-180.	5.8	13
101	Intra-articular delivery of synovium-resident mesenchymal stem cells via BMP-7-loaded fibrous PLGA scaffolds for cartilage repair. Journal of Controlled Release, 2019, 302, 169-180.	9.9	36
102	A Photoâ€Crosslinkable Kidney ECMâ€Derived Bioink Accelerates Renal Tissue Formation. Advanced Healthcare Materials, 2019, 8, e1800992.	7.6	162
103	Injectable biodegradable gelatin-methacrylate/Î²â€tricalcium phosphate composite for the repair of bone defects. Chemical Engineering Journal, 2019, 365, 30-39.	12.7	47
104	In Vitro Human Liver Model of Nonalcoholic Steatohepatitis by Coculturing Hepatocytes, Endothelial Cells, and Kupffer Cells. Advanced Healthcare Materials, 2019, 8, e1901379.	7.6	30
105	Fabrication and characterization of 3<scp>D</scp>â€printed elastic auricular scaffolds: A pilot study. Laryngoscope, 2019, 129, 351-357.	2.0	14
106	Development of a three-dimensionally printed scaffold grafted with bone forming peptide-1 for enhanced bone regeneration with in vitro and in vivo evaluations. Journal of Colloid and Interface Science, 2019, 539, 468-480.	9.4	36
107	Organâ€onâ€aâ€Chip for Cancer and Immune Organs Modeling. Advanced Healthcare Materials, 2019, 8, e1801363.	7.6	111
108	Vascular endothelial growth factor immobilized on mussel-inspired three-dimensional bilayered scaffold for artificial vascular graft application: In vitro and in vivo evaluations. Journal of Colloid and Interface Science, 2019, 537, 333-344.	9.4	51

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109	Monitoring Physiological Changes in Neutron-Exposed Normal Mouse Brain Using FDG-PET and DW-MRI. Radiation Research, 2019, 193, 54.	1.5	1
110	Nanoemulsion Vehicles as Carriers for Follicular Delivery of Luteolin. ACS Biomaterials Science and Engineering, 2018, 4, 1723-1729.	5.2	22
111	Precisely printable and biocompatible silk fibroin bioink for digital light processing 3D printing. Nature Communications, 2018, 9, 1620.	12.8	520
112	3D bioprinted functional and contractile cardiac tissue constructs. Acta Biomaterialia, 2018, 70, 48-56.	8.3	227
113	In Situ Tissue Regeneration of Renal Tissue Induced by Collagen Hydrogel Injection. Stem Cells Translational Medicine, 2018, 7, 241-250.	3.3	26
114	Biofabrication strategies for 3D in vitro models and regenerative medicine. Nature Reviews Materials, 2018, 3, 21-37.	48.7	502
115	Multilayered co-electrospun scaffold containing silver sulfadiazine as a prophylactic against osteomyelitis: Characterization and biological in vitro evaluations. Applied Surface Science, 2018, 432, 308-316.	6.1	14
116	Poly(lactide-co-glycolide) nanofibrous scaffolds chemically coated with gold-nanoparticles as osteoinductive agents for osteogenesis. Applied Surface Science, 2018, 432, 300-307.	6.1	35
117	Ultrasound-triggered PLGA microparticle destruction and degradation for controlled delivery of local cytotoxicity and drug release. International Journal of Biological Macromolecules, 2018, 106, 1211-1217.	7.5	18
118	Three-dimensional bioprinting for organ bioengineering: promise and pitfalls. Current Opinion in Organ Transplantation, 2018, 23, 649-656.	1.6	11
119	Injectable hydrogel composite containing modified gold nanoparticles: implication in bone tissue regeneration. International Journal of Nanomedicine, 2018, Volume 13, 7019-7031.	6.7	57
120	Genomic Sequence of a Swine Pasivirus Type 1 Strain Identified in U.S. Swine. Genome Announcements, 2018, 6, .	0.8	2
121	Image-Guided Neutron Capture Therapy Using the Gd-DO3A-BTA Complex as a New Combinatorial Treatment Approach. Contrast Media and Molecular Imaging, 2018, 2018, 1-9.	0.8	13
122	Germinated soy germ with increased soyasaponin Ab improves BMP-2-induced bone formation and protects against in vivo bone loss in osteoporosis. Scientific Reports, 2018, 8, 12970.	3.3	17
123	In situgold nanoparticle growth on polydopamine-coated 3D-printed scaffolds improves osteogenic differentiation for bone tissue engineering applications:in vitroandin vivostudies. Nanoscale, 2018, 10, 15447-15453.	5.6	72
124	Polydopamine-mediated surface modifications of poly l-lactic acid with hydroxyapatite, heparin and bone morphogenetic protein-2 and their effects on osseointegration. Journal of Industrial and Engineering Chemistry, 2018, 67, 244-254.	5.8	6
125	Neuroprotective effects of hydrogen inhalation in an experimental rat intracerebral hemorrhage model. Brain Research Bulletin, 2018, 142, 122-128.	3.0	26
126	3D Bioprinted Human Skeletal Muscle Constructs for Muscle Function Restoration. Scientific Reports, 2018, 8, 12307.	3.3	166

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127	3D bioprinted biomask for facial skin reconstruction. Bioprinting, 2018, 10, e00028.	5.8	56
128	3D printed cell-laden collagen and hybrid scaffolds for in vivo articular cartilage tissue regeneration. Journal of Industrial and Engineering Chemistry, 2018, 66, 343-355.	5.8	58
129	Preparation of antibacterial chitosan membranes containing silver nanoparticles for dental barrier membrane applications. Journal of Industrial and Engineering Chemistry, 2018, 66, 196-202.	5.8	50
130	Subcutaneous Fibrosarcoma in the Occipital Region with Nuchal Crest Adhesion in a 5-month-old Dog. Journal of Veterinary Clinics, 2018, 35, 63-66.	0.1	0
131	Biofunctionalization of Nerve Interface via Biocompatible Polymerâ€Roughened Pt Black on Cuff Electrode for Chronic Recording. Advanced Healthcare Materials, 2017, 6, 1601022.	7.6	16
132	Fabrication and design of bioactive agent coated, highly-aligned electrospun matrices for nerve tissue engineering: Preparation, characterization and application. Applied Surface Science, 2017, 424, 359-367.	6.1	16
133	Flexible and Highly Biocompatible Nanofiber-Based Electrodes for Neural Surface Interfacing. ACS Nano, 2017, 11, 2961-2971.	14.6	62
134	Electrospun vascular scaffold for cellularized small diameter blood vessels: A preclinical large animal study. Acta Biomaterialia, 2017, 59, 58-67.	8.3	91
135	In vitro skin expansion: Wound healing assessment. Wound Repair and Regeneration, 2017, 25, 398-407.	3.0	5
136	Multi-tissue interactions in an integrated three-tissue organ-on-a-chip platform. Scientific Reports, 2017, 7, 8837.	3.3	407
137	Biological assessments of multifunctional hydrogel-decorated implantable neural cuff electrode for clinical neurology application. Scientific Reports, 2017, 7, 15245.	3.3	10
138	Most simple preparation of an inkjet printing of silver nanoparticles on fibrous membrane for water purification: Technological and commercial application. Journal of Industrial and Engineering Chemistry, 2017, 46, 273-278.	5.8	32
139	Regulation of Adipogenesis Through Differential Modulation of ROS and Kinase Signaling Pathways by 3,4â€²â€Dihydroxyflavone Treatment. Journal of Cellular Biochemistry, 2017, 118, 1065-1077.	2.6	11
140	Novel 3D printed alginateâ€“BFP1 hybrid scaffolds for enhanced bone regeneration. Journal of Industrial and Engineering Chemistry, 2017, 45, 61-67.	5.8	50
141	Primary intrapelvic hemangiosarcoma in a dog. Journal of Veterinary Medical Science, 2017, 79, 192-196.	0.9	4
142	The use of heparin chemistry to improve dental osteogenesis associated with implants. Carbohydrate Polymers, 2017, 157, 1750-1758.	10.2	15
143	Preparation of mechanically enhanced hydrogel scaffolds by incorporating interfacial polymer nanorods for nerve electrode application. Fibers and Polymers, 2017, 18, 2248-2254.	2.1	5
144	Extranodal marginal zone B-cell lymphomas of the bilateral third eyelids in a dog. Veterinarni Medicina, 2017, 62, 351-355.	0.6	1

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145	Preparation of Pendant Group-Functionalized Diblock Copolymers with Adjustable Thermogelling Behavior. Polymers, 2017, 9, 239.	4.5	4
146	3D Integrated Tissue and Organ Printing System to Produce Human Body Parts with Structural Integrity. FASEB Journal, 2017, 31, 92.1.	0.5	0
147	Secondary abdominal pregnancy with foetal mummification diagnosed using computed tomography in a dog: a case report. Veterinarni Medicina, 2016, 61, 51-55.	0.6	3
148	Expression of neurotrophic factors in injured spinal cord after transplantation of human-umbilical cord blood stem cells in rats. Journal of Veterinary Science, 2016, 17, 97.	1.3	27
149	Platelet-Rich Plasma Increases the Levels of Catabolic Molecules and Cellular Dedifferentiation in the Meniscus of a Rabbit Model. International Journal of Molecular Sciences, 2016, 17, 120.	4.1	30
150	Segmental tracheal reconstruction by 3D-printed scaffold: Pivotal role of asymmetrically porous membrane. Laryngoscope, 2016, 126, E304-E309.	2.0	21
151	One-Step Fabrication of AgNPs Embedded Hybrid Dual Nanofibrous Oral Wound Dressings. Journal of Biomedical Nanotechnology, 2016, 12, 2041-2050.	1.1	23
152	Three-dimensional cell-based bioprinting for soft tissue regeneration. Tissue Engineering and Regenerative Medicine, 2016, 13, 647-662.	3.7	50
153	Preparation of Electrospun Fibrous Scaffold Containing Silver Sulfadiazine for Biomedical Applications. Journal of Nanoscience and Nanotechnology, 2016, 16, 8554-8558.	0.9	10
154	Multifunctional hydrogel coatings on the surface of neural cuff electrode for improving electrode-nerve tissue interfaces. Acta Biomaterialia, 2016, 39, 25-33.	8.3	71
155	Use of Baicalin-Conjugated Gold Nanoparticles for Apoptotic Induction of Breast Cancer Cells. Nanoscale Research Letters, 2016, 11, 381.	5.7	38
156	Development of novel photopolymerizable hyaluronic acid/heparin-based hydrogel scaffolds with a controlled release of growth factors for enhanced bone regeneration. Macromolecular Research, 2016, 24, 829-837.	2.4	9
157	Characterization of nerve-cuff electrode interface for biocompatible and chronic stimulating application. Sensors and Actuators B: Chemical, 2016, 237, 924-934.	7.8	38
158	Inhibition of Osteoclast Differentiation and Bone Resorption by Bisphosphonate-conjugated Gold Nanoparticles. Scientific Reports, 2016, 6, 27336.	3.3	67
159	Mesenchymal cells condensation-inducible mesh scaffolds for cartilage tissue engineering. Biomaterials, 2016, 85, 18-29.	11.4	64
160	Combination of small RNAs for skeletal muscle regeneration. FASEB Journal, 2016, 30, 1198-1206.	0.5	14
161	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. Acta Biomaterialia, 2016, 40, 182-191.	8.3	175
162	Titanium dental implants surface-immobilized with gold nanoparticles as osteoinductive agents for rapid osseointegration. Journal of Colloid and Interface Science, 2016, 469, 129-137.	9.4	87

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163	A 3D bioprinting system to produce human-scale tissue constructs with structural integrity. Nature Biotechnology, 2016, 34, 312-319.	17.5	2,078
164	Functional recovery of denervated muscle by neurotization using nerve guidance channels. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 838-846.	2.7	4
165	Assessment of the accuracy and precision of the iâ€Smart 30 <scp>VET</scp> Electrolyte Analyzer in dogs, cats, cattle and pigs. Veterinary Clinical Pathology, 2015, 44, 410-419.	0.7	0
166	3,2[/]-Dihydroxyflavone-Treated Pluripotent Stem Cells Show Enhanced Proliferation, Pluripotency Marker Expression, and Neuroprotective Properties. Cell Transplantation, 2015, 24, 1511-1532.	2.5	16
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