

# Yasuhiko Tabata

## List of Publications by Year in descending order

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356  
papers

16,261  
citations

16437

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22147

113  
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373  
docs citations

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times ranked

16041  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellular Interaction of Human Skin Cells towards Natural Bioink via 3D-Bioprinting Technologies for Chronic Wound: A Comprehensive Review. <i>International Journal of Molecular Sciences</i> , 2022, 23, 476.	1.8	24
2	The Effect of Nanoparticle-Incorporated Natural-Based Biomaterials towards Cells on Activated Pathways: A Systematic Review. <i>Polymers</i> , 2022, 14, 476.	2.0	31
3	Transplantation of human iPSC-derived muscle stem cells in the diaphragm of Duchenne muscular dystrophy model mice. <i>PLoS ONE</i> , 2022, 17, e0266391.	1.1	10
4	Bile duct regeneration with an artificial bile duct made of gelatin hydrogel non-woven fabrics. <i>Tissue Engineering - Part A</i> , 2022, , .	1.6	2
5	Physical and Natural Crosslinking Approaches on Three-Dimensional Gelatin Microspheres for Cartilage Regeneration. <i>Tissue Engineering - Part C: Methods</i> , 2022, 28, 557-569.	1.1	2
6	Potential Method of Autophagy Imaging with Cationized Gelatin Nanospheres Incorporating Molecular Beacon. <i>ACS Applied Bio Materials</i> , 2022, 5, 2965-2975.	2.3	2
7	Classification of $\alpha$ -PD-L1 expression in various cancers and macrophages based on immunohistochemical analysis. <i>Cancer Science</i> , 2022, 113, 3255-3266.	1.7	8
8	Characterization and Cytocompatibility of Collagen-Gelatin-Elastin (CollaGee) Acellular Skin Substitute towards Human Dermal Fibroblasts: In Vitro Assessment. <i>Biomedicine</i> , 2022, 10, 1327.	1.4	15
9	Nanostructure Control of an Antibiotic-Based Polyion Complex Using a Series of Polycations with Different Side-Chain Modification Rates. <i>Macromolecular Rapid Communications</i> , 2022, 43, .	2.0	3
10	Development of gelatin hydrogel nonwoven fabrics (Genocel <sup>®</sup> ) as a novel skin substitute in murine skin defects. <i>Regenerative Therapy</i> , 2022, 21, 96-103.	1.4	5
11	Addition of glycerol enhances the flexibility of gelatin hydrogel sheets; application for in utero tissue engineering. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 921-931.	1.6	8
12	Molecular Beacon Imaging to Visualize Ki67 mRNA for Cell Proliferation Ability. <i>Tissue Engineering - Part A</i> , 2021, 27, 526-535.	1.6	8
13	A novel topical treatment for bone metastases using a gelatin hydrogel incorporating cisplatin as a sustained release system. <i>Journal of Orthopaedic Research</i> , 2021, 39, 525-535.	1.2	4
14	Regenerative potential of basic fibroblast growth factor contained in biodegradable gelatin hydrogel microspheres applied following vocal fold injury: Early effect on tissue repair in a rabbit model. <i>Brazilian Journal of Otorhinolaryngology</i> , 2021, 87, 274-282.	0.4	5
15	Anti-USAG-1 therapy for tooth regeneration through enhanced BMP signaling. <i>Science Advances</i> , 2021, 7, .	4.7	15
16	Intramyocardial Transplantation of Human iPSC Cell-Derived Cardiac Spheroids Improves Cardiac Function in Heart Failure Animals. <i>JACC Basic To Translational Science</i> , 2021, 6, 239-254.	1.9	48
17	The Effects of Crosslinking on the Rheology and Cellular Behavior of Polymer-Based 3D-Multilayered Scaffolds for Restoring Articular Cartilage. <i>Polymers</i> , 2021, 13, 907.	2.0	5
18	Visualization of Apoptosis in Three-Dimensional Cell Aggregates Based on Molecular Beacon Imaging. <i>Tissue Engineering - Part C: Methods</i> , 2021, 27, 264-275.	1.1	3

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19	Ultra-small size gelatin nanogel as a blood brain barrier impermeable contrast agent for magnetic resonance imaging. <i>Acta Biomaterialia</i> , 2021, 125, 290-299.	4.1	24
20	Extracellular Vesicles Derived From Canine Mesenchymal Stromal Cells in Serum Free Culture Medium Have Anti-inflammatory Effect on Microglial Cells. <i>Frontiers in Veterinary Science</i> , 2021, 8, 633426.	0.9	10
21	Local application of Usag-1 siRNA can promote tooth regeneration in Runx2-deficient mice. <i>Scientific Reports</i> , 2021, 11, 13674.	1.6	10
22	Type II Collagen-Conjugated Mesenchymal Stem Cells Micromass for Articular Tissue Targeting. <i>Biomedicines</i> , 2021, 9, 880.	1.4	3
23	Active stealth and self-positioning biomimetic vehicles achieved effective antitumor therapy. <i>Journal of Controlled Release</i> , 2021, 335, 515-526.	4.8	24
24	Î±-Arabinofuranosidase as an Orthogonal Enzyme for Human Cells. <i>Chemistry Letters</i> , 2021, 50, 1493-1495.	0.7	2
25	Biomaterial-Assisted Regenerative Medicine. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8657.	1.8	50
26	Intracellular controlled release prolongs the time period of siRNA-based gene suppression. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021, 32, 2088-2102.	1.9	1
27	Extracellular vesicles synchronize cellular phenotypes of differentiating cells. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12147.	5.5	4
28	Characterisation of Rapid In Situ Forming Gelipin Hydrogel for Future Use in Irregular Deep Cutaneous Wound Healing. <i>Polymers</i> , 2021, 13, 3152.	2.0	14
29	Iron oxide nanoparticles augment the intercellular mitochondrial transfer-mediated therapy. <i>Science Advances</i> , 2021, 7, eabj0534.	4.7	44
30	Efficient cell transplantation combining injectable hydrogels with control release of growth factors. <i>Regenerative Therapy</i> , 2021, 18, 372-383.	1.4	8
31	Complexation design of cationized gelatin and molecular beacon to visualize intracellular mRNA. <i>PLoS ONE</i> , 2021, 16, e0245899.	1.1	1
32	Combined therapy of platelet-rich plasma and basic fibroblast growth factor using gelatin-hydrogel sheet for rotator cuff healing in rat models. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 605.	0.9	9
33	Design of a Platelet-Mediated Delivery System for Drug-Incorporated Nanospheres to Enhance Anti-Tumor Therapeutic Effect. <i>Pharmaceutics</i> , 2021, 13, 1724.	2.0	3
34	Gelatin hydrogel nonwoven fabrics of a cell culture scaffold to formulate 3-dimensional cell constructs. <i>Regenerative Therapy</i> , 2021, 18, 418-429.	1.4	9
35	Potential of Nanoparticles Integrated with Antibacterial Properties in Preventing Biofilm and Antibiotic Resistance. <i>Antibiotics</i> , 2021, 10, 1338.	1.5	27
36	Strategies Using Gelatin Microparticles for Regenerative Therapy and Drug Screening Applications. <i>Molecules</i> , 2021, 26, 6795.	1.7	23

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37	Effect of Fascia Implantation and Controlled Release of Basic Fibroblast Growth Factor for Muscle Atrophy in Rat Laryngeal Paralysis. <i>Otolaryngology - Head and Neck Surgery</i> , 2021, , 019459982110528.	1.1	0
38	Immunosuppressive mesenchymal stem cells aggregates incorporating hydrogel microspheres promote an in vitro invasion of cancer cells. <i>Regenerative Therapy</i> , 2021, 18, 516-522.	1.4	12
39	Basic fibroblast growth factor attenuates left-ventricular remodeling following surgical ventricular restoration in a rat ischemic cardiomyopathy model. <i>General Thoracic and Cardiovascular Surgery</i> , 2020, 68, 311-318.	0.4	7
40	ONO-1301 loaded nanocomposite scaffolds modulate cAMP mediated signaling and induce new bone formation in critical sized bone defect. <i>Biomaterials Science</i> , 2020, 8, 884-896.	2.6	9
41	Bioinspired nanocomposite fibrous scaffold mediated delivery of ONO-1301 and BMP2 enhance bone regeneration in critical sized defect. <i>Materials Science and Engineering C</i> , 2020, 110, 110591.	3.8	10
42	Evaluation of dual release of stromal cell derived factor-1 and basic fibroblast growth factor with nerve conduit for peripheral nerve regeneration: An experimental study in mice. <i>Microsurgery</i> , 2020, 40, 377-386.	0.6	9
43	Design, construction, and biological testing of an implantable porous trilayer scaffold for repairing osteoarthritic cartilage. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 355-368.	1.3	4
44	Antibacterial-Integrated Collagen Wound Dressing for Diabetes-Related Foot Ulcers: An Evidence-Based Review of Clinical Studies. <i>Polymers</i> , 2020, 12, 2168.	2.0	40
45	Three-Dimensional Culture System of Cancer Cells Combined with Biomaterials for Drug Screening. <i>Cancers</i> , 2020, 12, 2754.	1.7	113
46	Accuracy of spiked cell counting methods for designing a pre-clinical tumorigenicity study model. <i>Heliyon</i> , 2020, 6, e04423.	1.4	0
47	Improved viability of murine skin flaps using a gelatin hydrogel sheet impregnated with bFGF. <i>Journal of Artificial Organs</i> , 2020, 23, 348-357.	0.4	5
48	Fabrication of Bio-Based Gelatin Sponge for Potential Use as A Functional Acellular Skin Substitute. <i>Polymers</i> , 2020, 12, 2678.	2.0	21
49	Physicochemical Characterization of Bilayer Hybrid Nanocellulose-Collagen as a Potential Wound Dressing. <i>Materials</i> , 2020, 13, 4352.	1.3	14
50	Development of tooth regenerative medicine strategies by controlling the number of teeth using targeted molecular therapy. <i>Inflammation and Regeneration</i> , 2020, 40, 21.	1.5	9
51	Gelatin hydrogel membrane containing carbonate hydroxyapatite for nerve regeneration scaffold. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 2491-2503.	2.1	9
52	Basic fibroblast growth factor enhances proliferation and hepatocyte growth factor expression of feline mesenchymal stem cells. <i>Regenerative Therapy</i> , 2020, 15, 10-17.	1.4	15
53	Preparation of cell aggregates incorporating gelatin hydrogel microspheres of sugar-responsive water solubilization. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 1050-1062.	1.3	4
54	Visualization of Human Induced Pluripotent Stem Cells-Derived Three-Dimensional Cartilage Tissue by Gelatin Nanospheres. <i>Tissue Engineering - Part C: Methods</i> , 2020, 26, 244-252.	1.1	4

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55	A cancer invasion model of cancer-associated fibroblasts aggregates combined with TGF- $\beta$ 1 release system. <i>Regenerative Therapy</i> , 2020, 14, 196-204.	1.4	16
56	TAT- $\alpha$ -dextran-mediated mitochondrial transfer enhances recovery from models of reperfusion injury in cultured cardiomyocytes. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 5007-5020.	1.6	37
57	Gelatin Hydrogel-Fragmented Fibers Suppress Shrinkage of Cell Sheet. <i>Tissue Engineering - Part C: Methods</i> , 2020, 26, 216-224.	1.1	7
58	Viability evaluation of layered cell sheets after ultraviolet light irradiation of 222 nm. <i>Regenerative Therapy</i> , 2020, 14, 344-351.	1.4	10
59	Effect of cell seeding methods on the distribution of cells into the gelatin hydrogel nonwoven fabric. <i>Regenerative Therapy</i> , 2020, 14, 160-164.	1.4	8
60	Preparation of antibody-immobilized gelatin nanospheres incorporating a molecular beacon to visualize the biological function of macrophages. <i>Regenerative Therapy</i> , 2020, 14, 11-18.	1.4	12
61	Gelatin hydrogels with eicosapentaenoic acid can prevent osteoarthritis progression in vivo in a mouse model. <i>Journal of Orthopaedic Research</i> , 2020, 38, 2157-2169.	1.2	17
62	3D Culture of MSCs on a Gelatin Microsphere in a Dynamic Culture System Enhances Chondrogenesis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2688.	1.8	24
63	A Co-Culture System of Three-Dimensional Tumor-Associated Macrophages and Three-Dimensional Cancer-Associated Fibroblasts Combined with Biomolecule Release for Cancer Cell Migration. <i>Tissue Engineering - Part A</i> , 2020, 26, 1272-1282.	1.6	29
64	Transplantation of clinical-grade human induced pluripotent stem cell derived cardiac tissues contributes to functional recovery in a rat myocardial infarction model. <i>European Heart Journal</i> , 2020, 41, .	1.0	0
65	A Gelatin Hydrogel Nonwoven Fabric Facilitates Metabolic Activity of Multilayered Cell Sheets. <i>Tissue Engineering - Part C: Methods</i> , 2019, 25, 344-352.	1.1	18
66	Biomaterial-based delivery systems of nucleic acid for regenerative research and regenerative therapy. <i>Regenerative Therapy</i> , 2019, 11, 123-130.	1.4	24
67	Preparation of polymer microspheres capable for pioglitazone release to modify macrophages function. <i>Regenerative Therapy</i> , 2019, 11, 131-138.	1.4	7
68	Effect of lipopolysaccharide addition on the gene transfection of spermine-introduced pullulan-plasmid DNA complexes for human mesenchymal stem cells. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2019, 30, 1542-1558.	1.9	0
69	Comparison of human Mesenchymal Stem Cells biocompatibility data growth on gelatin and silk fibroin scaffolds. <i>Data in Brief</i> , 2019, 27, 104678.	0.5	4
70	Systematic chemical screening identifies disulfiram as a repurposed drug that enhances sensitivity to cisplatin in bladder cancer: a summary of preclinical studies. <i>British Journal of Cancer</i> , 2019, 121, 1027-1038.	2.9	36
71	A Cancer Invasion Model Combined with Cancer-Associated Fibroblasts Aggregates Incorporating Gelatin Hydrogel Microspheres Containing a p53 Inhibitor. <i>Tissue Engineering - Part C: Methods</i> , 2019, 25, 711-720.	1.1	45
72	Design of injectable hydrogels of gelatin and alginate with ferric ions for cell transplantation. <i>Acta Biomaterialia</i> , 2019, 100, 184-190.	4.1	28

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73	Nanoparticle-mediated local delivery of pioglitazone attenuates bleomycin-induced skin fibrosis. <i>Journal of Dermatological Science</i> , 2019, 93, 41-49.	1.0	12
74	Cardiac Regeneration by Statin-Polymer Nanoparticle-Loaded Adipose-Derived Stem Cell Therapy in Myocardial Infarction. <i>Stem Cells Translational Medicine</i> , 2019, 8, 1055-1067.	1.6	38
75	Influence of shaking culture on the biological functions of cell aggregates incorporating gelatin hydrogel microspheres. <i>Journal of Bioscience and Bioengineering</i> , 2019, 128, 606-612.	1.1	21
76	Efficacy of gelatin hydrogels incorporating triamcinolone acetonide for prevention of fibrosis in a mouse model. <i>Regenerative Therapy</i> , 2019, 11, 41-46.	1.4	4
77	Intraperitoneal chemotherapy for peritoneal metastases using sustained release formula of cisplatin-incorporated gelatin hydrogel granules. <i>Surgery Today</i> , 2019, 49, 785-794.	0.7	13
78	Preparation of fibrin hydrogels to promote the recruitment of anti-inflammatory macrophages. <i>Acta Biomaterialia</i> , 2019, 89, 152-165.	4.1	41
79	Intracellular Controlled Release of Molecular Beacon Prolongs the Time Period of mRNA Visualization. <i>Tissue Engineering - Part A</i> , 2019, 25, 1527-1537.	1.6	16
80	Clinical and experimental studies of intraperitoneal lipolysis and the development of clinically relevant pancreatic fistula after pancreatic surgery. <i>British Journal of Surgery</i> , 2019, 106, 616-625.	0.1	14
81	Prevention of tooth extraction-triggered bisphosphonate-related osteonecrosis of the jaws with basic fibroblast growth factor: An experimental study in rats. <i>PLoS ONE</i> , 2019, 14, e0211928.	1.1	19
82	Rapid treatment of full-thickness skin loss using ovine tendon collagen type I scaffold with skin cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 874-891.	1.3	37
83	A MnO <sub>2</sub> Nanoparticle-Dotted Hydrogel Promotes Spinal Cord Repair via Regulating Reactive Oxygen Species Microenvironment and Synergizing with Mesenchymal Stem Cells. <i>ACS Nano</i> , 2019, 13, 14283-14293.	7.3	166
84	Mesenchymal stem cell-based drug delivery strategy: from cells to biomimetic. <i>Journal of Controlled Release</i> , 2019, 294, 102-113.	4.8	175
85	Comparison of the efficacy of cryopreserved human platelet lysate and refrigerated lyophilized human platelet lysate for wound healing. <i>Regenerative Therapy</i> , 2019, 10, 1-9.	1.4	35
86	Comparison between different isoelectric points of biodegradable gelatin sponges incorporating tricalcium phosphate and recombinant human fibroblast growth factor-2 for ridge augmentation: A preclinical study of saddle-type defects in dogs. <i>Journal of Periodontal Research</i> , 2019, 54, 278-285.	1.4	8
87	Preparation of gelatin hydrogel sponges incorporating bioactive glasses capable for the controlled release of fibroblast growth factor-2. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2019, 30, 49-63.	1.9	6
88	Development of a transplant injection device for optimal distribution and retention of human induced pluripotent stem cell-derived cardiomyocytes. <i>Journal of Heart and Lung Transplantation</i> , 2019, 38, 203-214.	0.3	44
89	Attenuation of osteoarthritis progression in mice following intra-articular administration of simvastatin-conjugated gelatin hydrogel. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 423-432.	1.3	26
90	Development of a stent capable of the controlled release of basic fibroblast growth factor and argatroban to treat cerebral aneurysms: In vitro experiment and evaluation in a rabbit aneurysm model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 2185-2194.	1.6	4

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91	Neural Stem Cells Transfected with Reactive Oxygen Species-Responsive Polyplexes for Effective Treatment of Ischemic Stroke. <i>Advanced Materials</i> , 2019, 31, e1807591.	11.1	102
92	Antiadhesion effect of the C17 glycerin ester of isoprenoid-type lipid forming a nonlamellar liquid crystal. <i>Acta Biomaterialia</i> , 2019, 84, 257-267.	4.1	4
93	Efficacy of Gelatin Hydrogel Impregnated With Concentrated Platelet Lysate in Murine Wound Healing. <i>Journal of Surgical Research</i> , 2019, 234, 190-201.	0.8	11
94	FGF2 Has Distinct Molecular Functions from GDNF in the Mouse Germline Niche. <i>Stem Cell Reports</i> , 2018, 10, 1782-1792.	2.3	46
95	Enhanced survival and insulin secretion of insulinoma cell aggregates by incorporating gelatin hydrogel microspheres. <i>Regenerative Therapy</i> , 2018, 8, 29-37.	1.4	14
96	Insulin secretion of mixed insulinoma aggregates-gelatin hydrogel microspheres after subcutaneous transplantation. <i>Regenerative Therapy</i> , 2018, 8, 38-45.	1.4	7
97	Bone Regeneration of Osteoporotic Vertebral Body Defects Using Platelet-Rich Plasma and Gelatin $\beta$ -Tricalcium Phosphate Sponges. <i>Tissue Engineering - Part A</i> , 2018, 24, 1001-1010.	1.6	7
98	Effects of the conformation of PLGA molecules in the organic solvent on the aerodynamic diameter of spray dried microparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 539, 347-353.	2.3	17
99	Radial Glial Fibers Promote Neuronal Migration and Functional Recovery after Neonatal Brain Injury. <i>Cell Stem Cell</i> , 2018, 22, 128-137.e9.	5.2	63
100	Effects of platelet-rich plasma on tissue-engineered vascularized flaps in an in vivo chamber. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2018, 71, 1062-1068.	0.5	5
101	Preparation of cell aggregates incorporating gelatin hydrogel microspheres containing bone morphogenic protein-2 with different degradabilities. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 775-792.	1.9	11
102	Studies on Sandwich Culture by Making Use of Biofunctional Hydrogels as a Three-Dimensional Culture Environment. <i>Kobunshi Ronbunshu</i> , 2018, 75, 23-31.	0.2	0
103	Preparation of cationized gelatin nanospheres incorporating molecular beacon to visualize cell apoptosis. <i>Scientific Reports</i> , 2018, 8, 14839.	1.6	18
104	Coupling of bone resorption and formation by RANKL reverse signalling. <i>Nature</i> , 2018, 561, 195-200.	13.7	376
105	Enhanced Sternal Healing Through Platelet-Rich Plasma and Biodegradable Gelatin Hydrogel. <i>Tissue Engineering - Part A</i> , 2018, 24, 1406-1412.	1.6	12
106	A therapeutic angiogenesis of sustained release of basic fibroblast growth factor using biodegradable gelatin hydrogel sheets in a canine chronic myocardial infarction model. <i>Heart and Vessels</i> , 2018, 33, 1251-1257.	0.5	25
107	Sustained-release lidocaine sheet for pain following tooth extraction: A randomized, single-blind, dose-response, controlled, clinical study of efficacy and safety. <i>PLoS ONE</i> , 2018, 13, e0200059.	1.1	6
108	Dual release of growth factor from nanocomposite fibrous scaffold promotes vascularisation and bone regeneration in rat critical sized calvarial defect. <i>Acta Biomaterialia</i> , 2018, 78, 36-47.	4.1	85



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109	Safety and durability of the biodegradable felt in aortic surgery: a propensity score-matched study. <i>European Journal of Cardio-thoracic Surgery</i> , 2018, 54, 361-368.	0.6	2
110	Effect of sustained release of basic fibroblast growth factor using biodegradable gelatin hydrogels on frozen-thawed human ovarian tissue in a xenograft model. <i>Journal of Obstetrics and Gynaecology Research</i> , 2018, 44, 1947-1955.	0.6	18
111	Sustained release of basic fibroblast growth factor using gelatin hydrogel improved left ventricular function through the alteration of collagen subtype in a rat chronic myocardial infarction model. <i>General Thoracic and Cardiovascular Surgery</i> , 2018, 66, 641-647.	0.4	22
112	Osteogenic differentiation enhances the MC3T3-E1 secretion of glycosaminoglycans with an affinity for basic fibroblast growth factor and bone morphogenetic protein-2. <i>Regenerative Therapy</i> , 2018, 8, 58-62.	1.4	6
113	Establishment of a novel mouse xenograft model of human uterine leiomyoma. <i>Scientific Reports</i> , 2018, 8, 8872.	1.6	9
114	Experimental proliferative vitreoretinopathy in rabbits by delivery of bioactive proteins with gelatin microspheres. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 129, 267-272.	2.0	10
115	[OPINION]EPR Effect and Molecular Size. <i>Drug Delivery System</i> , 2018, 33, 75-76.	0.0	0
116	Angiogenic effect of platelet-rich plasma combined with gelatin hydrogel granules injected into murine subcutis. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 1941-1948.	1.3	23
117	Peptide-Tethered Hydrogel Scaffold Promotes Recovery from Spinal Cord Transection via Synergism with Mesenchymal Stem Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3330-3342.	4.0	90
118	Design of magnetic gene complexes as effective and serum resistant gene delivery systems for mesenchymal stem cells. <i>International Journal of Pharmaceutics</i> , 2017, 520, 1-13.	2.6	17
119	Preparation of gelatin nanospheres incorporating quantum dots and iron oxide nanoparticles for multimodal cell imaging. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 555-568.	1.9	12
120	Effect of hydrogel elasticity and ephrinB2-immobilized manner on Runx2 expression of human mesenchymal stem cells. <i>Acta Biomaterialia</i> , 2017, 58, 312-322.	4.1	9
121	TDAG8 involved in initiating inflammatory hyperalgesia and establishing hyperalgesic priming in mice. <i>Scientific Reports</i> , 2017, 7, 41415.	1.6	17
122	Augmented liver targeting of exosomes by surface modification with cationized pullulan. <i>Acta Biomaterialia</i> , 2017, 57, 274-284.	4.1	132
123	Preparation of EpH4 and 3T3L1 cells aggregates incorporating gelatin hydrogel microspheres for a cell condition improvement. <i>Regenerative Therapy</i> , 2017, 6, 90-99.	1.4	10
124	Biodegradable gelatin/beta-tricalcium phosphate sponges incorporating recombinant human fibroblast growth factor-2 for treatment of recession-type defects: A split-mouth study in dogs. <i>Journal of Periodontal Research</i> , 2017, 52, 863-871.	1.4	14
125	Peptide modified mesenchymal stem cells as targeting delivery system transfected with miR-133b for the treatment of cerebral ischemia. <i>International Journal of Pharmaceutics</i> , 2017, 531, 90-100.	2.6	48
126	Reconstruction of Severely Crushed Fingertip Amputations with Basic Fibroblast Growth Factor Slow Release System. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2017, 5, e1384.	0.3	3



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127	Preparation of epithelial cell aggregates incorporating matrigel microspheres to enhance proliferation and differentiation of epithelial cells. <i>Regenerative Therapy</i> , 2017, 7, 34-44.	1.4	6
128	Inhalable nanocomposite particles using amino acids with improved drug content and humidity resistance. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 529, 387-393.	2.3	13
129	4D printing of polymeric materials for tissue and organ regeneration. <i>Materials Today</i> , 2017, 20, 577-591.	8.3	292
130	The intra-articular injection of RANKL-binding peptides inhibits cartilage degeneration in a murine model of osteoarthritis. <i>Journal of Pharmacological Sciences</i> , 2017, 134, 124-130.	1.1	10
131	Novel role of CCN3 that maintains the differentiated phenotype of articular cartilage. <i>Journal of Bone and Mineral Metabolism</i> , 2017, 35, 582-597.	1.3	19
132	Enhancement of wound closure by modifying dual release patterns of stromal-derived cell factor-1 and a macrophage recruitment agent from gelatin hydrogels. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 2999-3013.	1.3	21
133	[FOREWORD] World of DDS Growing Progressively. <i>Drug Delivery System</i> , 2017, 32, 7-7.	0.0	0
134	Bio-Medical Research by making use of DDS technologies. <i>Drug Delivery System</i> , 2017, 32, 50-58.	0.0	0
135	Evaluation of a Porous Hydroxyapatite Granule and Gelatin Hydrogel Microsphere Composite in Bone Regeneration. <i>Journal of Hard Tissue Biology</i> , 2017, 26, 203-214.	0.2	3
136	Development of Poly Lactic/Glycolic Acid (PLGA) Microspheres for Controlled Release of Rho-Associated Kinase Inhibitor. <i>Journal of Ophthalmology</i> , 2017, 2017, 1-9.	0.6	13
137	A New Regenerative Approach to Fetal Myelomeningocele by Cell Sheet Transplantation. <i>The Showa University Journal of Medical Sciences</i> , 2017, 29, 1-7.	0.1	0
138	Coating with spermine-pullulan polymer enhances adenoviral transduction of mesenchymal stem cells. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 6763-6769.	3.3	6
139	Controlled Release Technology to Support Advanced Medicine. <i>Drug Delivery System</i> , 2016, 31, 219-227.	0.0	0
140	Transcytosis-Targeting Peptide: A Conductor of Liposomal Nanoparticles through the Endothelial Cell Barrier. <i>Small</i> , 2016, 12, 1212-1221.	5.2	14
141	Recruitment of mesenchymal stem cells and macrophages by dual release of stromal cell-derived factor-1 and a macrophage recruitment agent enhances wound closure. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 942-956.	2.1	47
142	Promotion of muscle regeneration by myoblast transplantation combined with the controlled and sustained release of bFGF. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016, 10, 325-333.	1.3	12
143	Enhanced intestinal anastomotic healing with gelatin hydrogel incorporating basic fibroblast growth factor. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016, 10, E433-E442.	1.3	11
144	Proapoptotic effect of controlled-released basic fibroblast growth factor on skin wound healing in a diabetic mouse model. <i>Wound Repair and Regeneration</i> , 2016, 24, 65-74.	1.5	27

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145	Local release of pioglitazone (a peroxisome proliferator-activated receptor $\beta$ agonist) accelerates proliferation and remodeling phases of wound healing. <i>Wound Repair and Regeneration</i> , 2016, 24, 57-64.	1.5	17
146	Delivery of RANKL-Binding Peptide OP3-4 Promotes BMP-2-Induced Maxillary Bone Regeneration. <i>Journal of Dental Research</i> , 2016, 95, 665-672.	2.5	19
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