

Yasuhiko Tabata

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.

349
papers

12,857
citations

58
h-index

103
g-index

372
ext. papers

14,483
ext. citations

5.5
avg, IF

6.71
L-index

#	Paper	IF	Citations
349	The Effect of Nanoparticle-Incorporated Natural-Based Biomaterials towards Cells on Activated Pathways: A Systematic Review.. <i>Polymers</i> , 2022 , 14,	4.5	7
348	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,	6.3	4
347	Transplantation of human iPSC-derived muscle stem cells in the diaphragm of Duchenne muscular dystrophy model mice.. <i>PLoS ONE</i> , 2022 , 17, e0266391	3.7	0
346	Characterization and Cytocompatibility of Collagen-Gelatin-Elastin (CollaGee) Acellular Skin Substitute towards Human Dermal Fibroblasts: In Vitro Assessment. <i>Biomedicines</i> , 2022 , 10, 1327	4.8	5
345	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 , 1945998211052895	5.5	
344	Potential of Nanoparticles Integrated with Antibacterial Properties in Preventing Biofilm and Antibiotic Resistance. <i>Antibiotics</i> , 2021 , 10,	4.9	3
343	Strategies Using Gelatin Microparticles for Regenerative Therapy and Drug Screening Applications. <i>Molecules</i> , 2021 , 26,	4.8	5
342	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	2.8	1
341	Gelatin hydrogel nonwoven fabrics of a cell culture scaffold to formulate 3-dimensional cell constructs. <i>Regenerative Therapy</i> , 2021 , 18, 418-429	3.7	1
340	Intramyocardial Transplantation of Human iPS Cell-Derived Cardiac Spheroids Improves Cardiac Function in Heart Failure Animals. <i>JACC Basic To Translational Science</i> , 2021 , 6, 239-254	8.7	10
339	Visualization of Apoptosis in Three-Dimensional Cell Aggregates Based on Molecular Beacon Imaging. <i>Tissue Engineering - Part C: Methods</i> , 2021 , 27, 264-275	2.9	1
338	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	10.8	12
337	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	3.1	2
336	Local application of Usag-1 siRNA can promote tooth regeneration in Runx2-deficient mice. <i>Scientific Reports</i> , 2021 , 11, 13674	4.9	1
335	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	3.5	4
334	Molecular Beacon Imaging to Visualize Ki67 mRNA for Cell Proliferation Ability. <i>Tissue Engineering - Part A</i> , 2021 , 27, 526-535	3.9	3
333	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	3.8	0

332	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	1.6	2
331	Anti-USAG-1 therapy for tooth regeneration through enhanced BMP signaling. <i>Science Advances</i> , 2021 , 7,	14.3	3
330	Active stealth and self-positioning biomimetic vehicles achieved effective antitumor therapy. <i>Journal of Controlled Release</i> , 2021 , 335, 515-526	11.7	4
329	β-Arabinofuranosidase as an Orthogonal Enzyme for Human Cells. <i>Chemistry Letters</i> , 2021 , 50, 1493-1495	1.7	1
328	Biomaterial-Assisted Regenerative Medicine. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	16
327	Intracellular controlled release prolongs the time period of siRNA-based gene suppression. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2021 , 32, 2088-2102	3.5	0
326	Extracellular vesicles synchronize cellular phenotypes of differentiating cells. <i>Journal of Extracellular Vesicles</i> , 2021 , 10, e12147	16.4	0
325	Characterisation of Rapid In Situ Forming Gelipin Hydrogel for Future Use in Irregular Deep Cutaneous Wound Healing. <i>Polymers</i> , 2021 , 13,	4.5	4
324	Iron oxide nanoparticles augment the intercellular mitochondrial transfer-mediated therapy. <i>Science Advances</i> , 2021 , 7, eabj0534	14.3	10
323	Efficient cell transplantation combining injectable hydrogels with control release of growth factors. <i>Regenerative Therapy</i> , 2021 , 18, 372-383	3.7	4
322	Complexation design of cationized gelatin and molecular beacon to visualize intracellular mRNA. <i>PLoS ONE</i> , 2021 , 16, e0245899	3.7	0
321	Immunosuppressive mesenchymal stem cells aggregates incorporating hydrogel microspheres promote an in vitro invasion of cancer cells.. <i>Regenerative Therapy</i> , 2021 , 18, 516-522	3.7	3
320	Gelatin hydrogel membrane containing carbonate hydroxyapatite for nerve regeneration scaffold. <i>Journal of Biomedical Materials Research - Part A</i> , 2020 , 108, 2491-2503	5.4	5
319	Basic fibroblast growth factor enhances proliferation and hepatocyte growth factor expression of feline mesenchymal stem cells. <i>Regenerative Therapy</i> , 2020 , 15, 10-17	3.7	9
318	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	4.4	4
317	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	2.9	3
316	A cancer invasion model of cancer-associated fibroblasts aggregates combined with TGF-β release system. <i>Regenerative Therapy</i> , 2020 , 14, 196-204	3.7	8
315	TAT-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	5.6	19

314	Gelatin Hydrogel-Fragmented Fibers Suppress Shrinkage of Cell Sheet. <i>Tissue Engineering - Part C: Methods</i> , 2020 , 26, 216-224	2.9	3
313	Viability evaluation of layered cell sheets after ultraviolet light irradiation of 222nm. <i>Regenerative Therapy</i> , 2020 , 14, 344-351	3.7	1
312	Effect of cell seeding methods on the distribution of cells into the gelatin hydrogel nonwoven fabric. <i>Regenerative Therapy</i> , 2020 , 14, 160-164	3.7	4
311	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	3.7	8
310	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	3.8	6
309	3D Culture of MSCs on a Gelatin Microsphere in a Dynamic Culture System Enhances Chondrogenesis. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	12
308	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	3.9	15
307	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	7.4	5
306	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	8.3	8
305	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	2.1	4
304	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	4.4	2
303	Retraction Note: Enhanced suppression of tumor growth using a combination of NK4 plasmid DNA-PEG engrafted cationized dextran complex and ultrasound irradiation. <i>Cancer Gene Therapy</i> , 2020 , 27, 266	5.4	
302	Antibacterial-Integrated Collagen Wound Dressing for Diabetes-Related Foot Ulcers: An Evidence-Based Review of Clinical Studies. <i>Polymers</i> , 2020 , 12,	4.5	22
301	Three-Dimensional Culture System of Cancer Cells Combined with Biomaterials for Drug Screening. <i>Cancers</i> , 2020 , 12,	6.6	50
300	Accuracy of spiked cell counting methods for designing a pre-clinical tumorigenicity study model. <i>Heliyon</i> , 2020 , 6, e04423	3.6	
299	Improved viability of murine skin flaps using a gelatin hydrogel sheet impregnated with bFGF. <i>Journal of Artificial Organs</i> , 2020 , 23, 348-357	1.8	3
298	Fabrication of Bio-Based Gelatin Sponge for Potential Use as A Functional Acellular Skin Substitute. <i>Polymers</i> , 2020 , 12,	4.5	8
297	Physicochemical Characterization of Bilayer Hybrid Nanocellulose-Collagen as a Potential Wound Dressing. <i>Materials</i> , 2020 , 13,	3.5	6

296	Development of tooth regenerative medicine strategies by controlling the number of teeth using targeted molecular therapy. <i>Inflammation and Regeneration</i> , 2020 , 40, 21	10.9	4
295	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	1.6	3
294	Design of injectable hydrogels of gelatin and alginate with ferric ions for cell transplantation. <i>Acta Biomaterialia</i> , 2019 , 100, 184-190	10.8	18
293	Nanoparticle-mediated local delivery of pioglitazone attenuates bleomycin-induced skin fibrosis. <i>Journal of Dermatological Science</i> , 2019 , 93, 41-49	4.3	4
292	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	6.9	26
291	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	3.3	17
290	Efficacy of gelatin hydrogels incorporating triamcinolone acetonide for prevention of fibrosis in a mouse model. <i>Regenerative Therapy</i> , 2019 , 11, 41-46	3.7	2
289	Intraperitoneal chemotherapy for peritoneal metastases using sustained release formula of cisplatin-incorporated gelatin hydrogel granules. <i>Surgery Today</i> , 2019 , 49, 785-794	3	8
288	Preparation of fibrin hydrogels to promote the recruitment of anti-inflammatory macrophages. <i>Acta Biomaterialia</i> , 2019 , 89, 152-165	10.8	17
287	Intracellular Controlled Release of Molecular Beacon Prolongs the Time Period of mRNA Visualization. <i>Tissue Engineering - Part A</i> , 2019 , 25, 1527-1537	3.9	10
286	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	5.3	10
285	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	3.7	11
284	A Gelatin Hydrogel Nonwoven Fabric Facilitates Metabolic Activity of Multilayered Cell Sheets. <i>Tissue Engineering - Part C: Methods</i> , 2019 , 25, 344-352	2.9	8
283	Biomaterial-based delivery systems of nucleic acid for regenerative research and regenerative therapy. <i>Regenerative Therapy</i> , 2019 , 11, 123-130	3.7	16
282	Preparation of polymer microspheres capable for pioglitazone release to modify macrophages function. <i>Regenerative Therapy</i> , 2019 , 11, 131-138	3.7	4
281	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	3.5	
280	Comparison of human Mesenchymal Stem Cells biocompatibility data growth on gelatin and silk fibroin scaffolds. <i>Data in Brief</i> , 2019 , 27, 104678	1.2	2
279	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	8.7	18

278	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	2.9	25
277	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	4.4	22
276	A MnO Nanoparticle-Dotted Hydrogel Promotes Spinal Cord Repair Regulating Reactive Oxygen Species Microenvironment and Synergizing with Mesenchymal Stem Cells. <i>ACS Nano</i> , 2019 , 13, 14283-14293	16.7	62
275	Mesenchymal stem cell-based drug delivery strategy: from cells to biomimetic. <i>Journal of Controlled Release</i> , 2019 , 294, 102-113	11.7	85
274	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	3.7	17
273	Comparison between different isoelectric points of biodegradable gelatin sponges incorporating β -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	4.3	4
272	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	3.5	2
271	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	5.8	30
270	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	4.4	12
269	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	3.5	3
268	Neural Stem Cells Transfected with Reactive Oxygen Species-Responsive Polyplexes for Effective Treatment of Ischemic Stroke. <i>Advanced Materials</i> , 2019 , 31, e1807591	24	61
267	Antiadhesion effect of the C17 glycerin ester of isoprenoid-type lipid forming a nonlamellar liquid crystal. <i>Acta Biomaterialia</i> , 2019 , 84, 257-267	10.8	1
266	Efficacy of Gelatin Hydrogel Impregnated With Concentrated Platelet Lysate in Murine Wound Healing. <i>Journal of Surgical Research</i> , 2019 , 234, 190-201	2.5	9
265	FGF2 Has Distinct Molecular Functions from GDNF in the Mouse Germline Niche. <i>Stem Cell Reports</i> , 2018 , 10, 1782-1792	8	26
264	Enhanced survival and insulin secretion of insulinoma cell aggregates by incorporating gelatin hydrogel microspheres. <i>Regenerative Therapy</i> , 2018 , 8, 29-37	3.7	12
263	Insulin secretion of mixed insulinoma aggregates-gelatin hydrogel microspheres after subcutaneous transplantation. <i>Regenerative Therapy</i> , 2018 , 8, 38-45	3.7	6
262	Bone Regeneration of Osteoporotic Vertebral Body Defects Using Platelet-Rich Plasma and Gelatin β -Tricalcium Phosphate Sponges. <i>Tissue Engineering - Part A</i> , 2018 , 24, 1001-1010	3.9	6
261	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	5.1	12

260	Radial Glial Fibers Promote Neuronal Migration and Functional Recovery after Neonatal Brain Injury. <i>Cell Stem Cell</i> , 2018 , 22, 128-137.e9	18	37
259	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	1.7	4
258	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	10.8	51
257	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	3	2
256	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	1.9	4
255	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	1.6	14
254	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	3.7	4
253	Establishment of a novel mouse xenograft model of human uterine leiomyoma. <i>Scientific Reports</i> , 2018 , 8, 8872	4.9	6
252	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	5.7	5
251	[OPINION]EPR Effect and Molecular Size. <i>Drug Delivery System</i> , 2018 , 33, 75-76	0	
250	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	3.5	6
249	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	
248	Preparation of cationized gelatin nanospheres incorporating molecular beacon to visualize cell apoptosis. <i>Scientific Reports</i> , 2018 , 8, 14839	4.9	12
247	Coupling of bone resorption and formation by RANKL reverse signalling. <i>Nature</i> , 2018 , 561, 195-200	50.4	221
246	Enhanced Sternal Healing Through Platelet-Rich Plasma and Biodegradable Gelatin Hydrogel. <i>Tissue Engineering - Part A</i> , 2018 , 24, 1406-1412	3.9	8
245	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	2.1	21
244	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	3.7	4
243	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	4.4	17

242	Peptide-Tethered Hydrogel Scaffold Promotes Recovery from Spinal Cord Transection via Synergism with Mesenchymal Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 3330-3342	9.5	61
241	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	6.5	14
240	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	3.5	8
239	Effect of hydrogel elasticity and ephrinB2-immobilized manner on Runx2 expression of human mesenchymal stem cells. <i>Acta Biomaterialia</i> , 2017 , 58, 312-322	10.8	7
238	TDAG8 involved in initiating inflammatory hyperalgesia and establishing hyperalgesic priming in mice. <i>Scientific Reports</i> , 2017 , 7, 41415	4.9	15
237	Augmented liver targeting of exosomes by surface modification with cationized pullulan. <i>Acta Biomaterialia</i> , 2017 , 57, 274-284	10.8	68
236	Preparation of EpH4 and 3T3L1 cells aggregates incorporating gelatin hydrogel microspheres for a cell condition improvement. <i>Regenerative Therapy</i> , 2017 , 6, 90-99	3.7	8
235	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	4.3	9
234	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	6.5	30
233	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	1.2	1
232	Preparation of epithelial cell aggregates incorporating matrigel microspheres to enhance proliferation and differentiation of epithelial cells. <i>Regenerative Therapy</i> , 2017 , 7, 34-44	3.7	6
231	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	5.1	10
230	4D printing of polymeric materials for tissue and organ regeneration. <i>Materials Today</i> , 2017 , 20, 577-591	21.8	200
229	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	3.7	8
228	Novel role of CCN3 that maintains the differentiated phenotype of articular cartilage. <i>Journal of Bone and Mineral Metabolism</i> , 2017 , 35, 582-597	2.9	15
227	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	4.4	14
226	[FOREWORD] World of DDS Growing Progressively. <i>Drug Delivery System</i> , 2017 , 32, 7-7	0	
225	Bio-Medical Research by making use of DDS technologies. <i>Drug Delivery System</i> , 2017 , 32, 50-58	0	

224	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	0.4	2
223	Development of Poly Lactic/Glycolic Acid (PLGA) Microspheres for Controlled Release of Rho-Associated Kinase Inhibitor. <i>Journal of Ophthalmology</i> , 2017 , 2017, 1598218	2	5
222	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	
221	Safety and efficacy of sustained release of basic fibroblast growth factor using gelatin hydrogel in patients with critical limb ischemia. <i>Heart and Vessels</i> , 2016 , 31, 713-21	2.1	41
220	Implementation of soft microfingers for a hMSC aggregate manipulation system. <i>Microsystems and Nanoengineering</i> , 2016 , 2, 15048	7.7	19
219	Immunosuppressive effect of mesenchymal stem cell-derived exosomes on a concanavalin A-induced liver injury model. <i>Inflammation and Regeneration</i> , 2016 , 36, 26	10.9	78
218	Intracellular release of rapamycin from poly (lactic acid) nanospheres modifies autophagy. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016 , 27, 1291-302	3.5	4
217	Effects of cellular parameters on the in vitro osteogenic potential of dual-gelling mesenchymal stem cell-laden hydrogels. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016 , 27, 1277-90	3.5	5
216	Facial nerve regeneration using basic fibroblast growth factor-impregnated gelatin microspheres in a rat model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016 , 10, E559-E567	4.4	30
215	A pilot study of regenerative therapy using controlled release of recombinant human fibroblast growth factor for patients with pre-collapse osteonecrosis of the femoral head. <i>International Orthopaedics</i> , 2016 , 40, 1747-1754	3.8	36
214	Evaluation of cell-laden polyelectrolyte hydrogels incorporating poly(L-Lysine) for applications in cartilage tissue engineering. <i>Biomaterials</i> , 2016 , 83, 332-46	15.6	64
213	Fabrication of hydrogels with elasticity changed by alkaline phosphatase for stem cell culture. <i>Acta Biomaterialia</i> , 2016 , 29, 215-227	10.8	16
212	Complete tissue coverage achieved by scaffold-based tissue engineering in the fetal sheep model of Myelomeningocele. <i>Biomaterials</i> , 2016 , 76, 133-43	15.6	46
211	Evaluation of Autologous Fascia Implantation With Controlled Release of Fibroblast Growth Factor for Recurrent Laryngeal Nerve Paralysis Due to Long-term Denervation. <i>Annals of Otology, Rhinology and Laryngology</i> , 2016 , 125, 508-15	2.1	4
210	Cationized gelatin hydrogels mixed with plasmid DNA induce stronger and more sustained gene expression than atelocollagen at calvarial bone defects in vivo. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016 , 27, 419-30	3.5	10
209	Data describing the swelling behavior and cytocompatibility of biodegradable polyelectrolyte hydrogels incorporating poly(L-lysine) for applications in cartilage tissue engineering. <i>Data in Brief</i> , 2016 , 7, 614-9	1.2	4
208	Evaluation of Gelatin Microparticles as Adherent-Substrates for Mesenchymal Stem Cells in a Hydrogel Composite. <i>Annals of Biomedical Engineering</i> , 2016 , 44, 1894-907	4.7	13
207	Coadministration of adipose-derived stem cells and control-released basic fibroblast growth factor facilitates angiogenesis in a murine ischemic hind limb model. <i>Journal of Vascular Surgery</i> , 2016 , 64, 1825-1834.	3.5	17

206	Injectable dual-gelling cell-laden composite hydrogels for bone tissue engineering. <i>Biomaterials</i> , 2016 , 83, 1-11	15.6	94
205	Easy-to-Use Preservation and Application of Platelet-Rich Plasma in Combination Wound Therapy With a Gelatin Sheet and Freeze-Dried Platelet-Rich Plasma: A Case Report. <i>Eplasty</i> , 2016 , 16, e22	0.3	4
204	Coating with spermine-pullulan polymer enhances adenoviral transduction of mesenchymal stem cells. <i>International Journal of Nanomedicine</i> , 2016 , 11, 6763-6769	7.3	4
203	Controlled Release Technology to Support Advanced Medicine. <i>Drug Delivery System</i> , 2016 , 31, 219-227	0	0
202	Transcytosis-Targeting Peptide: A Conductor of Liposomal Nanoparticles through the Endothelial Cell Barrier. <i>Small</i> , 2016 , 12, 1212-21	11	8
201	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, 942-56	5.4	33
200	Promotion of muscle regeneration by myoblast transplantation combined with the controlled and sustained release of bFGF α . <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016 , 10, 325-33	4.4	11
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