

Yongchang Yao

List of Publications by Year in descending order

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32
papers

775
citations

567144

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docs citations

32
times ranked

1441
citing authors

#	ARTICLE	IF	CITATIONS
1	ATDC5: An excellent in vitro model cell line for skeletal development. <i>Journal of Cellular Biochemistry</i> , 2013, 114, 1223-1229.	1.2	146
2	The control of anchorage-dependent cell behavior within a hydrogel/microcarrier system in an osteogenic model. <i>Biomaterials</i> , 2009, 30, 2259-2269.	5.7	82
3	Effect of microcavitary alginate hydrogel with different pore sizes on chondrocyte culture for cartilage tissue engineering. <i>Materials Science and Engineering C</i> , 2014, 34, 168-175.	3.8	78
4	Dedifferentiation: inspiration for devising engineering strategies for regenerative medicine. <i>Npj Regenerative Medicine</i> , 2020, 5, 14.	2.5	50
5	Importance of Suitable Reference Gene Selection for Quantitative RT-PCR during ATDC5 Cells Chondrocyte Differentiation. <i>PLoS ONE</i> , 2013, 8, e64786.	1.1	43
6	Antisense Makes Sense in Engineered Regenerative Medicine. <i>Pharmaceutical Research</i> , 2009, 26, 263-275.	1.7	34
7	Gene Transfer and Living Release of Transforming Growth Factor- β 3 for Cartilage Tissue Engineering Applications. <i>Tissue Engineering - Part C: Methods</i> , 2008, 14, 273-280.	1.1	28
8	In Vitro Osteogenesis of Synovium Mesenchymal Cells Induced by Controlled Release of Alendronate and Dexamethasone from a Sintered Microspherical Scaffold. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 1227-1238.	1.9	28
9	Effects of combinational adenoviral vector-mediated TGF- β 3 transgene and shRNA silencing type I collagen on articular chondrogenesis of synovium-derived mesenchymal stem cells. <i>Biotechnology and Bioengineering</i> , 2010, 106, 818-828.	1.7	23
10	Redifferentiation of dedifferentiated chondrocytes in a novel three-dimensional microcavitary hydrogel. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 1693-1702.	2.1	23
11	A dual-functioning adenoviral vector encoding both transforming growth factor- β 3 and shRNA silencing type I collagen: Construction and controlled release for chondrogenesis. <i>Journal of Controlled Release</i> , 2010, 142, 70-77.	4.8	22
12	Progress of co-culture systems in cartilage regeneration. <i>Expert Opinion on Biological Therapy</i> , 2018, 18, 1151-1158.	1.4	18
13	Poly(lactide-co-glycolide)/titania composite microsphere-sintered scaffolds for bone tissue engineering applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 93B, 84-92.	1.6	17
14	Effects of inflammatory cytokines on bone/cartilage repair. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 6841-6850.	1.2	17
15	Optimal Construction and Delivery of Dual-Functioning Lentiviral Vectors for Type I Collagen-Suppressed Chondrogenesis in Synovium-Derived Mesenchymal Stem Cells. <i>Pharmaceutical Research</i> , 2011, 28, 1338-1348.	1.7	15
16	Redifferentiation of Dedifferentiated Chondrocytes by Adenoviral Vector-Mediated TGF- β 3 and Collagen-1 Silencing shRNA in 3D Culture. <i>Annals of Biomedical Engineering</i> , 2011, 39, 3042-3054.	1.3	15
17	Co-transduction of lentiviral and adenoviral vectors for co-delivery of growth factor and shRNA genes in mesenchymal stem cells-based chondrogenic system. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 1036-1045.	1.3	15
18	Function of sustained released resveratrol on IL-1 β -induced hBMSC MMP13 secretion inhibition and chondrogenic differentiation promotion. <i>Journal of Biomaterials Applications</i> , 2016, 30, 930-939.	1.2	15

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19	In vitro study of chondrocyte redifferentiation with lentiviral vector-mediated transgenic TGF- β 3 and shRNA suppressing type I collagen in three-dimensional culture. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2011, 5, e219-e227.	1.3	13
20	The enhancement of chondrogenesis of ATDC5 cells in RGD-immobilized microcavitary alginate hydrogels. <i>Journal of Biomaterials Applications</i> , 2016, 31, 92-101.	1.2	13
21	Synthesis and characterization of glucosamine modified poly(ethylene glycol) hydrogels via photopolymerization. <i>Journal of Applied Polymer Science</i> , 2013, 128, 89-96.	1.3	12
22	Progress of biomaterials for bone tumor therapy. <i>Journal of Biomaterials Applications</i> , 2022, 36, 945-955.	1.2	12
23	Continuous supply of TGF β 3 via adenoviral vector promotes type I collagen and viability of fibroblasts in alginate hydrogel. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2010, 4, 497-504.	1.3	11
24	Evaluation of Insulin Medium or Chondrogenic Medium on Proliferation and Chondrogenesis of ATDC5 Cells. <i>BioMed Research International</i> , 2014, 2014, 1-8.	0.9	10
25	Doping strontium in tricalcium phosphate microspheres using yeast-based biotemplate. <i>Materials Chemistry and Physics</i> , 2014, 147, 540-544.	2.0	9
26	Prospects of osteoactivin in tissue regeneration. <i>Expert Opinion on Therapeutic Targets</i> , 2016, 20, 1357-1364.	1.5	8
27	Enhanced chondrogenesis in a coculture system with genetically manipulated dedifferentiated chondrocytes and ATDC5 cells. <i>Biotechnology and Bioengineering</i> , 2020, 117, 3173-3181.	1.7	6
28	Controlling the strontium-doping in calcium phosphate microcapsules through yeast-regulated biomimetic mineralization. <i>International Journal of Energy Production and Management</i> , 2016, 3, 269-276.	1.9	4
29	Concurrent extraction of proteins and RNA from cell-laden hydrogel scaffold free of polysaccharide interference. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3762-3766.	1.2	3
30	Effect of Various Ratios of Co-cultured ATDC5 Cells and Chondrocytes on the Expression of Cartilaginous Phenotype in Microcavitary Alginate Hydrogel. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 3607-3615.	1.2	3
31	Effect of passage number of genetically modified TGF- β 3 expressing primary chondrocytes on the chondrogenesis of ATDC5 cells in a 3D coculture system. <i>Biomedical Materials (Bristol)</i> , 2022, 17, 024102.	1.7	1
32	Prospects of cell chemotactic factors in bone and cartilage tissue engineering. <i>Expert Opinion on Biological Therapy</i> , 2022, 22, 883-893.	1.4	1