Yongchang Yao

List of Publications by Year
in descending order

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32	775	567144 15	526166 27
papers	citations	h-index	g-index

32	32	32	1441
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Progress of biomaterials for bone tumor therapy. Journal of Biomaterials Applications, 2022, 36, 945-955.	1.2	12
2	Effect of passage number of genetically modified TGF-Î²3 expressing primary chondrocytes on the chondrogenesis of ATDC5 cells in a 3D coculture system. Biomedical Materials (Bristol), 2022, 17, 024102.	1.7	1
3	Prospects of cell chemotactic factors in bone and cartilage tissue engineering. Expert Opinion on Biological Therapy, 2022, 22, 883-893.	1.4	1
4	Dedifferentiation: inspiration for devising engineering strategies for regenerative medicine. Npj Regenerative Medicine, 2020, 5, 14.	2.5	50
5	Enhanced chondrogenesis in a coculture system with genetically manipulated dedifferentiated chondrocytes and ATDC5 cells. Biotechnology and Bioengineering, 2020, 117, 3173-3181.	1.7	6
6	Effects of inflammatory cytokines on bone/cartilage repair. Journal of Cellular Biochemistry, 2019, 120, 6841-6850.	1.2	17
7	Progress of co-culture systems in cartilage regeneration. Expert Opinion on Biological Therapy, 2018, 18, 1151-1158.	1.4	18
8	Effect of Various Ratios of Coâ€Cultured ATDC5 Cells and Chondrocytes on the Expression of Cartilaginous Phenotype in Microcavitary Alginate Hydrogel. Journal of Cellular Biochemistry, 2017, 118, 3607-3615.	1.2	3
9	Controlling the strontium-doping in calcium phosphate microcapsules through yeast-regulated biomimetic mineralization. International Journal of Energy Production and Management, 2016, 3, 269-276.	1.9	4
10	Prospects of osteoactivin in tissue regeneration. Expert Opinion on Therapeutic Targets, 2016, 20, 1357-1364.	1.5	8
11	The enhancement of chondrogenesis of ATDC5 cells in RGD-immobilized microcavitary alginate hydrogels. Journal of Biomaterials Applications, 2016, 31, 92-101.	1.2	13
12	Function of sustained released resveratrol on IL-1Î²-induced hBMSC MMP13 secretion inhibition and chondrogenic differentiation promotion. Journal of Biomaterials Applications, 2016, 30, 930-939.	1.2	15
13	Redifferentiation of dedifferentiated chondrocytes in a novel threeâ€dimensional microcavitary hydrogel. Journal of Biomedical Materials Research - Part A, 2015, 103, 1693-1702.	2.1	23
14	Co-transduction of lentiviral and adenoviral vectors for co-delivery of growth factor and shRNA genes in mesenchymal stem cells-based chondrogenic system. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 1036-1045.	1.3	15
15	Evaluation of Insulin Medium or Chondrogenic Medium on Proliferation and Chondrogenesis of ATDC5 Cells. BioMed Research International, 2014, 2014, 1-8.	0.9	10
16	Effect of microcavitary alginate hydrogel with different pore sizes on chondrocyte culture for cartilage tissue engineering. Materials Science and Engineering C, 2014, 34, 168-175.	3.8	78
17	Doping strontium in tricalcium phosphate microspheres using yeast-based biotemplate. Materials Chemistry and Physics, 2014, 147, 540-544.	2.0	9
18	Synthesis and characterization of glucosamine modified poly(ethylene glycol) hydrogels via photopolymerization. Journal of Applied Polymer Science, 2013, 128, 89-96.	1.3	12

#	Article	IF	Citations
19	ATDC5: An excellent in vitro model cell line for skeletal development. Journal of Cellular Biochemistry, 2013, 114, 1223-1229.	1.2	146
20	Importance of Suitable Reference Gene Selection for Quantitative RT-PCR during ATDC5 Cells Chondrocyte Differentiation. PLoS ONE, 2013, 8, e64786.	1.1	43
21	Optimal Construction and Delivery of Dual-Functioning Lentiviral Vectors for Type I Collagen-Suppressed Chondrogenesis in Synovium-Derived Mesenchymal Stem Cells. Pharmaceutical Research, 2011, 28, 1338-1348.	1.7	15
22	Redifferentiation of Dedifferentiated Chondrocytes by Adenoviral Vector-Mediated TGF-Î²3 and Collagen-1 Silencing shRNA in 3D Culture. Annals of Biomedical Engineering, 2011, 39, 3042-3054.	1.3	15
23	In vitro study of chondrocyte redifferentiation with lentiviral vector-mediated transgenic TGF-Î²3 and shRNA suppressing type I collagen in three-dimensional culture. Journal of Tissue Engineering and Regenerative Medicine, 2011, 5, e219-e227.	1.3	13
24	A dual-functioning adenoviral vector encoding both transforming growth factor-Î²3 and shRNA silencing type I collagen: Construction and controlled release for chondrogenesis. Journal of Controlled Release, 2010, 142, 70-77.	4.8	22
25	Poly(lactideâ€coâ€glycolide)/titania composite microphereâ€sintered scaffolds for bone tissue engineering applications. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 93B, 84-92.	1.6	17
26	Effects of combinational adenoviral vectorâ€mediated TGFÎ²3 transgene and shRNA silencing type I collagen on articular chondrogenesis of synoviumâ€derived mesenchymal stem cells. Biotechnology and Bioengineering, 2010, 106, 818-828.	1.7	23
27	Continuous supply of TGFÎ²3 via adenoviral vector promotes type I collagen and viability of fibroblasts in alginate hydrogel. Journal of Tissue Engineering and Regenerative Medicine, 2010, 4, 497-504.	1.3	11
28	In Vitro Osteogenesis of Synovium Mesenchymal Cells Induced by Controlled Release of Alendronate and Dexamethasone from a Sintered Microspherical Scaffold. Journal of Biomaterials Science, Polymer Edition, 2010, 21, 1227-1238.	1.9	28
29	Antisense Makes Sense in Engineered Regenerative Medicine. Pharmaceutical Research, 2009, 26, 263-275.	1.7	34
30	Concurrent extraction of proteins and RNA from cell-laden hydrogel scaffold free of polysaccharide interference. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 3762-3766.	1.2	3
31	The control of anchorage-dependent cell behavior within a hydrogel/microcarrier system in an osteogenic model. Biomaterials, 2009, 30, 2259-2269.	5.7	82
32	Gene Transfer and Living Release of Transforming Growth Factor-Î²3 for Cartilage Tissue Engineering Applications. Tissue Engineering - Part C: Methods, 2008, 14, 273-280.	1.1	28