

Tong Cao

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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.

144
papers

4,822
citations

41
h-index

64
g-index

154
ext. papers

5,417
ext. citations

4.8
avg, IF

5.44
L-index

#	Paper	IF	Citations
144	Cartilage repair using hyaluronan hydrogel-encapsulated human embryonic stem cell-derived chondrogenic cells. <i>Biomaterials</i> , 2010 , 31, 6968-80	15.6	206
143	Directing stem cell differentiation into the chondrogenic lineage in vitro. <i>Stem Cells</i> , 2004 , 22, 1152-67	5.8	192
142	Scaffold design and in vitro study of osteochondral coculture in a three-dimensional porous polycaprolactone scaffold fabricated by fused deposition modeling. <i>Tissue Engineering</i> , 2003 , 9 Suppl 1, S103-12		183
141	The immunogenicity and immunomodulatory function of osteogenic cells differentiated from mesenchymal stem cells. <i>Journal of Immunology</i> , 2006 , 176, 2864-71	5.3	166
140	Novel PCL-based honeycomb scaffolds as drug delivery systems for rhBMP-2. <i>Biomaterials</i> , 2005 , 26, 3739-48	15.6	158
139	Graphene: A Versatile Carbon-Based Material for Bone Tissue Engineering. <i>Stem Cells International</i> , 2015 , 2015, 804213	5	149
138	Stepwise differentiation of human embryonic stem cells promotes tendon regeneration by secreting fetal tendon matrix and differentiation factors. <i>Stem Cells</i> , 2009 , 27, 1276-87	5.8	149
137	Strategies for directing the differentiation of stem cells into the osteogenic lineage in vitro. <i>Journal of Bone and Mineral Research</i> , 2004 , 19, 1379-94	6.3	133
136	Strategies for directing the differentiation of stem cells into the cardiomyogenic lineage in vitro. <i>Cardiovascular Research</i> , 2004 , 62, 34-42	9.9	133
135	Effects of culture conditions and bone morphogenetic protein 2 on extent of chondrogenesis from human embryonic stem cells. <i>Stem Cells</i> , 2007 , 25, 950-60	5.8	124
134	The effect of rhBMP-2 on canine osteoblasts seeded onto 3D bioactive polycaprolactone scaffolds. <i>Biomaterials</i> , 2004 , 25, 5499-506	15.6	99
133	Loss of viability during freeze-thaw of intact and adherent human embryonic stem cells with conventional slow-cooling protocols is predominantly due to apoptosis rather than cellular necrosis. <i>Journal of Biomedical Science</i> , 2006 , 13, 433-45	13.3	98
132	Combined effects of TGFbeta1 and BMP2 in serum-free chondrogenic differentiation of mesenchymal stem cells induced hyaline-like cartilage formation. <i>Growth Factors</i> , 2005 , 23, 313-21	1.6	86
131	Osteoarthritis and therapy. <i>Arthritis and Rheumatism</i> , 2006 , 55, 493-500		79
130	Mesenchymal stem cell sheets revitalize nonviable dense grafts: implications for repair of large-bone and tendon defects. <i>Transplantation</i> , 2006 , 82, 170-4	1.8	77
129	Potential of human embryonic stem cells in cartilage tissue engineering and regenerative medicine. <i>Stem Cell Reviews and Reports</i> , 2011 , 7, 544-59	6.4	74
128	Graphene for the development of the next-generation of biocomposites for dental and medical applications. <i>Dental Materials</i> , 2017 , 33, 765-774	5.7	72

127	Comparison of osteogenesis of human embryonic stem cells within 2D and 3D culture systems. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2008 , 68, 58-67	2	72
126	Two and three-dimensional graphene substrates to magnify osteogenic differentiation of periodontal ligament stem cells. <i>Carbon</i> , 2015 , 93, 266-275	10.4	70
125	Efficient derivation of lateral plate and paraxial mesoderm subtypes from human embryonic stem cells through GSKi-mediated differentiation. <i>Stem Cells and Development</i> , 2013 , 22, 1893-906	4.4	69
124	Histological evaluation of osteogenesis of 3D-printed poly-lactic-co-glycolic acid (PLGA) scaffolds in a rabbit model. <i>Biomedical Materials (Bristol)</i> , 2009 , 4, 021001	3.5	68
123	Efficient differentiation of human embryonic stem cells to arterial and venous endothelial cells under feeder- and serum-free conditions. <i>Stem Cell Research and Therapy</i> , 2015 , 6, 261	8.3	67
122	ZNF750 is a lineage-specific tumour suppressor in squamous cell carcinoma. <i>Oncogene</i> , 2017 , 36, 2243-2254	2.5	66
121	Printing of Titanium implant prototype. <i>Materials & Design</i> , 2010 , 31, S101-S105		66
120	Osteogenic differentiation within intact human embryoid bodies result in a marked increase in osteocalcin secretion after 12 days of in vitro culture, and formation of morphologically distinct nodule-like structures. <i>Tissue and Cell</i> , 2005 , 37, 325-34	2.7	65
119	3D-Printed PCL/PPy Conductive Scaffolds as Three-Dimensional Porous Nerve Guide Conduits (NGCs) for Peripheral Nerve Injury Repair. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 266	5.8	58
118	Proliferation and differentiation of human osteoblasts within 3D printed poly-lactic-co-glycolic acid scaffolds. <i>Journal of Biomaterials Applications</i> , 2009 , 23, 533-47	2.9	56
117	Differentiation and enrichment of expandable chondrogenic cells from human embryonic stem cells in vitro. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 3570-90	5.6	55
116	An overview and synopsis of techniques for directing stem cell differentiation in vitro. <i>Cell and Tissue Research</i> , 2004 , 315, 291-303	4.2	54
115	Manufacture of degradable polymeric scaffolds for bone regeneration. <i>Biomedical Materials (Bristol)</i> , 2008 , 3, 022001	3.5	52
114	The cryopreservation of human embryonic stem cells. <i>Biotechnology and Applied Biochemistry</i> , 2005 , 41, 97-104	2.8	52
113	CVD-grown monolayer graphene induces osteogenic but not odontoblastic differentiation of dental pulp stem cells. <i>Dental Materials</i> , 2017 , 33, e13-e21	5.7	51
112	Biomaterial-mediated delivery of microenvironmental cues for repair and regeneration of articular cartilage. <i>Molecular Pharmaceutics</i> , 2011 , 8, 994-1001	5.6	51
111	Exosome-mediated delivery of kartogenin for chondrogenesis of synovial fluid-derived mesenchymal stem cells and cartilage regeneration. <i>Biomaterials</i> , 2021 , 269, 120539	15.6	49
110	Comparison of different test models for the assessment of cytotoxicity of composite resins. <i>Journal of Applied Toxicology</i> , 2005 , 25, 101-8	4.1	47

109	Chondroitin sulfate in palatal wound healing. <i>Journal of Dental Research</i> , 2004 , 83, 880-5	8.1	46
108	Therapeutic angiogenesis by transplantation of human embryonic stem cell-derived CD133+ endothelial progenitor cells for cardiac repair. <i>Regenerative Medicine</i> , 2010 , 5, 231-44	2.5	45
107	Caspase inhibitor Z-VAD-FMK enhances the freeze-thaw survival rate of human embryonic stem cells. <i>Bioscience Reports</i> , 2007 , 27, 257-64	4.1	45
106	Bacterial GtFB Augments Candida albicans Accumulation in Cross-Kingdom Biofilms. <i>Journal of Dental Research</i> , 2017 , 96, 1129-1135	8.1	41
105	Stage-dependent effect of TGF-beta1 on chondrogenic differentiation of human embryonic stem cells. <i>Stem Cells and Development</i> , 2009 , 18, 929-40	4.4	41
104	Making cell-permeable antibodies (Transbody) through fusion of protein transduction domains (PTD) with single chain variable fragment (scFv) antibodies: potential advantages over antibodies expressed within the intracellular environment (Intrabody). <i>Medical Hypotheses</i> , 2005 , 64, 1105-8	3.8	41
103	Directing endothelial differentiation of human embryonic stem cells via transduction with an adenoviral vector expressing the VEGF(165) gene. <i>Journal of Gene Medicine</i> , 2007 , 9, 452-61	3.5	40
102	Soluble molecules are key in maintaining the immunomodulatory activity of murine mesenchymal stromal cells. <i>Journal of Cell Science</i> , 2012 , 125, 200-8	5.3	38
101	Establishment of clinically compliant human embryonic stem cells in an autologous feeder-free system. <i>Tissue Engineering - Part C: Methods</i> , 2011 , 17, 927-37	2.9	35
100	Tooth slice organ culture and established cell line culture models for cytotoxicity assessment of dental materials. <i>Toxicology in Vitro</i> , 2005 , 19, 145-54	3.6	34
99	Differentiation of human embryonic stem cells into clinically amenable keratinocytes in an autogenic environment. <i>Journal of Investigative Dermatology</i> , 2013 , 133, 618-628	4.3	33
98	Cytotoxicity of Silver Nanoparticles in Human Embryonic Stem Cell-Derived Fibroblasts and an L-929 Cell Line. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-9	3.2	32
97	Directing stem cells into the keratinocyte lineage in vitro. <i>Experimental Dermatology</i> , 2005 , 14, 1-16	4	31
96	Adipose Tissue and Extracellular Matrix Development by Injectable Decellularized Adipose Matrix Loaded with Basic Fibroblast Growth Factor. <i>Plastic and Reconstructive Surgery</i> , 2016 , 137, 1171-1180	2.7	31
95	Comparative Ploidy Proteomics of Candida albicans Biofilms Unraveled the Role of the AHP1 Gene in the Biofilm Persistence Against Amphotericin B. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 3488-3500	7.6	29
94	Graphene-Induced Osteogenic Differentiation Is Mediated by the Integrin/FAK Axis. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	27
93	Fabrication and evaluation of electrohydrodynamic jet 3D printed polycaprolactone/chitosan cell carriers using human embryonic stem cell-derived fibroblasts. <i>Journal of Biomaterials Applications</i> , 2016 , 31, 181-92	2.9	27
92	The effect of cyclic mechanical strain on the expression of adhesion-related genes by periodontal ligament cells in two-dimensional culture. <i>Journal of Periodontal Research</i> , 2012 , 47, 212-21	4.3	27

91	Differentiated fibroblastic progenies of human embryonic stem cells for toxicology screening. <i>Cloning and Stem Cells</i> , 2008 , 10, 1-10		27
90	Bone mineral density in mandibles of ovariectomized rabbits. <i>Clinical Oral Implants Research</i> , 2001 , 12, 604-8	4.8	26
89	Delivery of basic fibroblast growth factors from heparinized decellularized adipose tissue stimulates potent de novo adipogenesis. <i>Journal of Controlled Release</i> , 2014 , 174, 43-50	11.7	25
88	Human fibroblast matrices bio-assembled under macromolecular crowding support stable propagation of human embryonic stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2012 , 6, e74-86	4.4	25
87	Autologous feeder cells from embryoid body outgrowth support the long-term growth of human embryonic stem cells more effectively than those from direct differentiation. <i>Tissue Engineering - Part C: Methods</i> , 2010 , 16, 719-33	2.9	25
86	A subpopulation of mesenchymal stromal cells with high osteogenic potential. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 2436-2447	5.6	25
85	In vitro derivation of chondrogenic cells from human embryonic stem cells. <i>Methods in Molecular Biology</i> , 2010 , 584, 317-31	1.4	25
84	Intracellular antibodies (intrabodies) versus RNA interference for therapeutic applications. <i>Annals of Clinical and Laboratory Science</i> , 2005 , 35, 227-9	0.9	24
83	Bioactivity, physical and chemical properties of MTA mixed with propylene glycol. <i>Journal of Applied Oral Science</i> , 2015 , 23, 405-11	3.3	23
82	An autologous cell lysate extract from human embryonic stem cell (hESC) derived osteoblasts can enhance osteogenesis of hESC. <i>Tissue and Cell</i> , 2008 , 40, 219-28	2.7	22
81	Transplanted human embryonic stem cells as biological catalysts for tissue repair and regeneration. <i>Medical Hypotheses</i> , 2005 , 64, 1085-8	3.8	22
80	Feeder cell density--a key parameter in human embryonic stem cell culture. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2004 , 40, 255-7	2.6	21
79	Factors influencing stem cell differentiation into the hepatic lineage in vitro. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2005 , 20, 975-87	4	21
78	Culture media conditioned by heat-shocked osteoblasts enhances the osteogenesis of bone marrow-derived mesenchymal stromal cells. <i>Cell Biochemistry and Function</i> , 2007 , 25, 267-76	4.2	20
77	Mechanical dissociation of human embryonic stem cell colonies by manual scraping after collagenase treatment is much more detrimental to cellular viability than is trypsinization with gentle pipetting. <i>Biotechnology and Applied Biochemistry</i> , 2007 , 47, 33-7	2.8	20
76	Functional Odontoblastic-Like Cells Derived from Human iPSCs. <i>Journal of Dental Research</i> , 2018 , 97, 77-83	8.1	19
75	Induction of adipocyte hyperplasia in subcutaneous fat depot alleviated type 2 diabetes symptoms in obese mice. <i>Obesity</i> , 2014 , 22, 1623-31	8	19
74	Short periods of cyclic mechanical strain enhance triple-supplement directed osteogenesis and bone nodule formation by human embryonic stem cells in vitro. <i>Tissue Engineering - Part A</i> , 2013 , 19, 2130-7	3.9	19

73	A proposed design for the cryopreservation of intact and adherent human embryonic stem cell colonies. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2005 , 41, 77-9	2.6	19
72	Mineralized bone loss in partially edentulous trabeculae of ovariectomized rabbit mandibles. <i>Journal of Periodontal Research</i> , 2004 , 39, 37-41	4.3	19
71	Human embryonic stem cells may display higher resistance to genotoxic stress as compared to primary explanted somatic cells. <i>Stem Cells and Development</i> , 2008 , 17, 599-607	4.4	17
70	Comparison of the response of human embryonic stem cells and their differentiated progenies to oxidative stress. <i>Photomedicine and Laser Surgery</i> , 2009 , 27, 669-74		16
69	Kinetics of cell death of frozen-thawed human embryonic stem cell colonies is reversibly slowed down by exposure to low temperature. <i>Zygote</i> , 2006 , 14, 341-8	1.6	16
68	Low temperature tolerance of human embryonic stem cells. <i>International Journal of Medical Sciences</i> , 2006 , 3, 124-9	3.7	16
67	Differentiation of human embryonic stem cells toward the chondrogenic lineage. <i>Methods in Molecular Biology</i> , 2007 , 407, 333-49	1.4	16
66	Evaluation of human embryonic stem cells and their differentiated fibroblastic progenies as cellular models for in vitro genotoxicity screening. <i>Journal of Biotechnology</i> , 2014 , 184, 154-68	3.7	15
65	Prospect of Human Pluripotent Stem Cell-Derived Neural Crest Stem Cells in Clinical Application. <i>Stem Cells International</i> , 2016 , 2016, 7695836	5	15
64	Engineering three-dimensional constructs of the periodontal ligament in hyaluronan-gelatin hydrogel films and a mechanically active environment. <i>Journal of Periodontal Research</i> , 2013 , 48, 790-804	4.3	14
63	Pluripotent stem cells: An in vitro model for nanotoxicity assessments. <i>Journal of Applied Toxicology</i> , 2016 , 36, 1250-8	4.1	14
62	Differential effects of the extracellular microenvironment on human embryonic stem cell differentiation into keratinocytes and their subsequent replicative life span. <i>Tissue Engineering - Part A</i> , 2015 , 21, 1432-43	3.9	13
61	Directed Differentiation of Human Embryonic Stem Cells to Neural Crest Stem Cells, Functional Peripheral Neurons, and Corneal Keratocytes. <i>Biotechnology Journal</i> , 2017 , 12, 1700067	5.6	12
60	Innate Immune Response of Human Embryonic Stem Cell-Derived Fibroblasts and Mesenchymal Stem Cells to Periodontopathogens. <i>Stem Cells International</i> , 2016 , 2016, 8905365	5	12
59	Potential applications of keratinocytes derived from human embryonic stem cells. <i>Biotechnology Journal</i> , 2016 , 11, 58-70	5.6	12
58	Comments about possible use of human embryonic stem cell-derived cardiomyocytes to direct autologous adult stem cells into the cardiomyogenic lineage. <i>Acta Cardiologica</i> , 2005 , 60, 7-12	0.9	11
57	Use of Haploid Model of to Uncover Mechanism of Action of a Novel Antifungal Agent. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018 , 8, 164	5.9	10
56	Human embryonic stem cell differentiation into odontoblastic lineage: an in vitro study. <i>International Endodontic Journal</i> , 2014 , 47, 346-55	5.4	10

55	Telomere length is regulated by FGF-2 in human embryonic stem cells and affects the life span of its differentiated progenies. <i>Biogerontology</i> , 2017 , 18, 69-84	4.5	10
54	Inducing pluripotency for disease modeling, drug development and craniofacial applications. <i>Expert Opinion on Biological Therapy</i> , 2014 , 14, 1233-40	5.4	10
53	A cell state splitter and differentiation wave working-model for embryonic stem cell development and somatic cell epigenetic reprogramming. <i>BioSystems</i> , 2012 , 109, 390-6	1.9	10
52	Differentiation therapy of cancer. Potential advantages over conventional therapeutic approaches targeting death of cancer/tumor cells. <i>Medical Hypotheses</i> , 2005 , 65, 1202-3	3.8	10
51	Incorporating protein transduction domains (PTD) within recombinant Fusion transcription factors. A novel strategy for directing stem cell differentiation?. <i>Biomedicine and Pharmacotherapy</i> , 2005 , 59, 132-4	7.5	10
50	Derivation of Chondrogenic Cells from Human Embryonic Stem Cells for Cartilage Tissue Engineering. <i>Methods in Molecular Biology</i> , 2014 , 263	1.4	9
49	Human embryonic stem cell (hES) colonies display a higher degree of spontaneous differentiation when passaged at lower densities. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2006 , 42, 54-7	2.6	9
48	Modulating gene expression in stem cells without recombinant DNA and permanent genetic modification. <i>Cell and Tissue Research</i> , 2005 , 321, 147-50	4.2	9
47	Differential resistance of human embryonic stem cells and somatic cell types to hydrogen peroxide-induced genotoxicity may be dependent on innate basal intracellular ROS levels. <i>Folia Histochemica Et Cytobiologica</i> , 2015 , 53, 169-74	1.4	9
46	Reprogramming autologous skeletal myoblasts to express cardiomyogenic function. Challenges and possible approaches. <i>International Journal of Cardiology</i> , 2005 , 100, 355-62	3.2	8
45	A case of progression from type II cryoglobulinaemia to Waldenstrom's macroglobulinaemia in a patient with chronic hepatitis C. <i>Clinical and Experimental Medicine</i> , 2005 , 5, 40-2	4.9	8
44	"Waste" follicular aspirate from fertility treatment--a potential source of human germline stem cells?. <i>Stem Cells and Development</i> , 2005 , 14, 11-4	4.4	8
43	Proposome for transdermal delivery of tofacitinib. <i>International Journal of Pharmaceutics</i> , 2020 , 585, 119558	6.5	7
42	Human embryonic stem cells derived keratinocyte as an in vitro research model for the study of immune response. <i>Journal of Oral Pathology and Medicine</i> , 2013 , 42, 627-34	3.3	7
41	Investigation of human embryonic stem cell-derived keratinocytes as an in vitro research model for mechanical stress dynamic response. <i>Stem Cell Reviews and Reports</i> , 2015 , 11, 460-73	6.4	7
40	Milieu-based versus gene-modulatory strategies for directing stem cell differentiation--A major issue of contention in transplantation medicine. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2006 , 42, 51-3	2.6	7
39	Reduced mitotic activity at the periphery of human embryonic stem cell colonies cultured in vitro with mitotically-inactivated murine embryonic fibroblast feeder cells. <i>Cell Biochemistry and Function</i> , 2005 , 23, 141-6	4.2	7
38	Proteomics Analysis of <i>Candida albicans</i> dnm1 Haploid Mutant Unraveled the Association between Mitochondrial Fission and Antifungal Susceptibility. <i>Proteomics</i> , 2020 , 20, e1900240	4.8	7

37	3D bioprinting and microscale organization of vascularized tissue constructs using collagen-based bioink. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 3150-3163	4.9	7
36	Engineering the periodontal ligament in hyaluronan-gelatin-type I collagen constructs: upregulation of apoptosis and alterations in gene expression by cyclic compressive strain. <i>Tissue Engineering - Part A</i> , 2015 , 21, 518-29	3.9	6
35	Fabrication of vascularized tissue constructs under chemically defined culture conditions. <i>Biofabrication</i> , 2020 , 12, 045015	10.5	6
34	Efficient derivation of dopaminergic neurons from SOX1 ⁺ floor plate cells under defined culture conditions. <i>Journal of Biomedical Science</i> , 2016 , 23, 34	13.3	6
33	Evaluating biotoxicity with fibroblasts derived from human embryonic stem cells. <i>Toxicology in Vitro</i> , 2012 , 26, 1056-63	3.6	6
32	Can the high nuclear to cytoplasmic ratio of human embryonic stem cells make them more vulnerable to physical stress encountered with bulk-passage protocols?. <i>Medical Hypotheses</i> , 2005 , 64, 1242-3	3.8	6
31	Potential utility of cell-permeable transcription factors to direct stem cell differentiation. <i>Stem Cells and Development</i> , 2004 , 13, 460-2	4.4	6
30	Efficient isolation of bone marrow adipocyte progenitors by silica microbeads incubation. <i>Stem Cells and Development</i> , 2013 , 22, 2520-31	4.4	5
29	Osteogenic Potential of Green Fluorescent Protein Labelled Human Embryonic Stem Cell-Derived Osteoprogenitors. <i>Stem Cells International</i> , 2016 , 2016, 1659275	5	5
28	Differentiation of epidermal keratinocytes from human embryonic stem cells. <i>Methods in Molecular Biology</i> , 2014 , 1195, 13-22	1.4	4
27	Are stem cells inherently more prone to cryopreservation-induced apoptosis compared to ordinary somatic cells?. <i>Human Reproduction</i> , 2009 , 24, 492; author reply 492-3	5.7	4
26	Incorporating protein transduction domains (PTD) within intracellular proteins associated with the BstemnessPphenotype. Novel use of such recombinant PfusionPproteins to overcome current limitations of applying autologous adult stem cells in regenerative medicine?. <i>Medical Hypotheses</i> , 2005 , 64, 388-9	3.8	4
25	Appliance-induced osteopenia of dentoalveolar bone in the rat: effect of reduced bone strains on serum bone markers and the multifunctional hormone leptin. <i>European Journal of Oral Sciences</i> , 2013 , 121, 517-24	2.3	3
24	Could the transit-amplifying stage of stem cell differentiation be the most suited for transplantation purposes?. <i>Medical Hypotheses</i> , 2005 , 65, 412-3	3.8	3
23	Scaffold implants for the controlled release of heparan sulfate (HS) and other glycosaminoglycan (GAG) species: this could facilitate the homing of adult stem cells for tissue/organ regeneration. <i>Medical Hypotheses</i> , 2005 , 65, 414-5	3.8	3
22	Mammalian oocyte polarity can be exploited for the automation of somatic cell nuclear transfer--in the development of a Pcloning biochipP. <i>Medical Hypotheses</i> , 2006 , 67, 420-1	3.8	3
21	New perspectives in chondrogenic differentiation of stem cells for cartilage repair. <i>Scientific World Journal, The</i> , 2006 , 6, 361-4	2.2	3
20	Potential applications of intracellular antibodies (intrabodies) in stem cell therapeutics. <i>Journal of Cellular and Molecular Medicine</i> , 2005 , 9, 191-5	5.6	3

19	Enhancement of Skin Delivery of Drugs Using Proposome Depends on Drug Lipophilicity. <i>Pharmaceutics</i> , 2021 , 13,	6.4	3
18	Reverse engineering the mechanical and molecular pathways in stem cell morphogenesis. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015 , 9, 169-73	4.4	2
17	Making cell-permeable recombinant telomerase (trans-telomerase) through fusion of its catalytic subunit (hTERT) with protein transduction domains (PTD): a possible strategy to overcome replicative senescence during ex vivo culture of primary explanted cells. <i>Medical Hypotheses</i> , 2005 , 65, 199-200	3.8	2
16	Immunoliposome-mediated delivery of neomycin phosphotransferase for the lineage-specific selection of differentiated/committed stem cell progenies: potential advantages over transfection with marker genes, fluorescence-activated and magnetic affinity cell-sorting. <i>Medical Hypotheses</i> , 2005 , 65, 334-6	3.8	2
15	Refund fertility-treatment costs for donated embryos. <i>Nature</i> , 2006 , 443, 26	50.4	2
14	Peripheral sensory neurons promote angiogenesis in neurovascular models derived from hESCs. <i>Stem Cell Research</i> , 2021 , 52, 102231	1.6	2
13	Dental application potential of mesenchymal stromal cells and embryonic stem cells. <i>Chinese journal of dental research: the official journal of the Scientific Section of the Chinese Stomatological Association (CSA), The</i> , 2010 , 13, 95-103	2.2	2
12	Combining transfusion of stem/progenitor cells into the peripheral circulation with localized transplantation in situ at the site of tissue/organ damage: a possible strategy to optimize the efficacy of stem cell transplantation therapy. <i>Medical Hypotheses</i> , 2005 , 65, 494-7	3.8	1
11	Combining RNA interference with PTD-fusion transcription factors: a novel integrated strategy for achieving trans-differentiation of adult stem cells?. <i>Medical Hypotheses</i> , 2005 , 65, 992-3	3.8	1
10	The differentiation status of stem cells and their derivatives: a key consideration in transplantation medicine. <i>ASAIO Journal</i> , 2004 , 50, 626-8	3.6	1
9	Possible advantages of stem cell transfusion into the peripheral circulation, as opposed to localized transplantation in situ. <i>Stem Cells and Development</i> , 2005 , 14, 351-3	4.4	1
8	Emerging trends and prospects of electroconductive bioinks for cell-laden and functional 3D bioprinting. <i>Bio-Design and Manufacturing</i> , 2022 , 5, 396	4.7	1
7	Cytotoxicity and Genotoxicity of Metal Oxide Nanoparticles in Human Pluripotent Stem Cell-Derived Fibroblasts. <i>Coatings</i> , 2021 , 11, 107	2.9	1
6	Downregulation of transcription factors by ribonucleic acid interference. A novel approach to extend the multipotency of autologous adult stem cells?. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2004 , 40, 131-2	2.6	
5	RE: Heng BC, Tong c: the differentiation status of stem cells and their derivatives: A key consideration in transplantation medicine. <i>ASAIO J</i> 50: 626-627, 2004. <i>ASAIO Journal</i> , 2005 , 51, 301; author reply 302	3.6	
4	Co-transplantation of autologous adult stem cells together with differentiated derivatives of human embryonic stem cells. A novel strategy to enhance the efficacy of autologous cell-transplantation therapy?. <i>Wound Repair and Regeneration</i> , 2005 , 13, 353-6	3.6	
3	Reply to Letter from Drs. Haider and Ashraf. <i>ASAIO Journal</i> , 2005 , 51, 302	3.6	
2	Effects of Bovine Kidney Heparan Sulphate and Shark Cartilage Chondroitin-6-Sulphate on Palatal Fibroblast Activities 2007 , 223-230		

- 1 Osteogenic role of vascular endothelial growth factor in bone regeneration. *Annals of the Academy of Medicine, Singapore*, **2003**, 32, S50-1 2.8