Jafar Ai

List of Publications by Year
in descending order

191 papers	5,737 citations	71102 41 h-index	123424 61 g-index
206 all docs	206 docs citations	206 times ranked	7110 citing authors

#	Article	IF	Citations
1	Nanotoxicology and nanoparticle safety in biomedical designs. International Journal of Nanomedicine, 2011, 6, 1117.	6.7	249
2	Strontium- and cobalt-substituted bioactive glasses seeded with human umbilical cord perivascular cells to promote bone regeneration via enhanced osteogenic and angiogenic activities. Acta Biomaterialia, 2017, 58, 502-514.	8.3	139
3	Synthesis, characterization and antioxidant activity of a novel electroactive and biodegradable polyurethane for cardiac tissue engineering application. Materials Science and Engineering C, 2014, 44, 24-37.	7.3	125
4	Horseradish peroxidase-catalyzed hydrogelation for biomedical applications. Biomaterials Science, 2018, 6, 1286-1298.	5.4	116
5	Encapsulation of curcumin loaded chitosan nanoparticle within poly (Îµ-caprolactone) and gelatin fiber mat for wound healing and layered dermal reconstitution. International Journal of Biological Macromolecules, 2020, 153, 1241-1250.	7.5	105
6	Preparation of a porous conductive scaffold from aniline pentamer-modified polyurethane/PCL blend for cardiac tissue engineering. Journal of Biomedical Materials Research - Part A, 2015, 103, 3179-3187.	4.0	104
7	Preparation of a biomimetic composite scaffold from gelatin/collagen and bioactive glass fibers for bone tissue engineering. Materials Science and Engineering C, 2016, 59, 533-541.	7.3	95
8	Extracellular vesicles derived from human embryonic stem cellâ€MSCs ameliorate cirrhosis in thioacetamideâ€induced chronic liver injury. Journal of Cellular Physiology, 2018, 233, 9330-9344.	4.1	90
9	Natural biomacromolecule based composite scaffolds from silk fibroin, gelatin and chitosan toward tissue engineering applications. International Journal of Biological Macromolecules, 2020, 154, 1285-1294.	7.5	88
10	The extracellular vesiclesâ€derived from mesenchymal stromal cells: A new therapeutic option in regenerative medicine. Journal of Cellular Biochemistry, 2018, 119, 8048-8073.	2.6	87
11	Bio-hybrid silk fibroin/calcium phosphate/PLGA nanocomposite scaffold to control the delivery of vascular endothelial growth factor. Materials Science and Engineering C, 2014, 35, 401-410.	7.3	86
12	Impact of exosomeâ€loaded chitosan hydrogel in wound repair and layered dermal reconstitution in mice animal model. Journal of Biomedical Materials Research - Part A, 2020, 108, 2138-2149.	4.0	86
13	Polymeric Scaffolds in Neural Tissue Engineering: A Review. Archives of Neuroscience, 2013, 1, 15-20.	0.3	84
14	Synthesis, physico-chemical and biological characterization of strontium and cobalt substituted bioactive glasses for bone tissue engineering. Journal of Non-Crystalline Solids, 2016, 449, 133-140.	3.1	77
15	Sciatic nerve regeneration by transplantation of Schwann cells via erythropoietin controlledâ€releasing polylactic acid/multiwalled carbon nanotubes/gelatin nanofibrils neural guidance conduit. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 1463-1476.	3.4	77
16	Collagenâ€coated nanoâ€electrospun PCL seeded with human endometrial stem cells for skin tissue engineering applications. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 1578-1586.	3.4	75
17	Sustained release of platelet-derived growth factor and vascular endothelial growth factor from silk/calcium phosphate/PLGA based nanocomposite scaffold. International Journal of Pharmaceutics, 2013, 454, 216-225.	5.2	70
18	Biomimetic modification of polyurethane-based nanofibrous vascular grafts: A promising approach towards stable endothelial lining. Materials Science and Engineering C, 2017, 80, 213-221.	7.3	70

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19	Effect of a statin on an in vitro model of endometriosis. Fertility and Sterility, 2007, 87, 257-262.	1.0	67
20	Preparation of fibrin gel scaffolds containing MWCNT/PU nanofibers for neural tissue engineering. Journal of Biomedical Materials Research - Part A, 2019, 107, 802-814.	4.0	67
21	Enhanced sciatic nerve regeneration by poly-L-lactic acid/multi-wall carbon nanotube neural guidance conduit containing Schwann cells and curcumin encapsulated chitosan nanoparticles in rat. Materials Science and Engineering C, 2020, 109, 110564.	7.3	66
22	Differentiation of Whartonâ€™s Jelly-Derived Mesenchymal Stem Cells into Motor Neuron-Like Cells on Three-Dimensional Collagen-Grafted Nanofibers. Molecular Neurobiology, 2016, 53, 2397-2408.	4.0	64
23	Fabrication of chitosan-polyvinyl alcohol and silk electrospun fiber seeded with differentiated keratinocyte for skin tissue regeneration in animal wound model. Journal of Biological Engineering, 2020, 14, 27.	4.7	62
24	Differentiation of Human Endometrial Stromal Cells into Oligodendrocyte Progenitor Cells (OPCs). Journal of Molecular Neuroscience, 2013, 51, 265-273.	2.3	60
25	Polyurethane-Polycaprolactone Blend Patches: Scaffold Characterization and Cardiomyoblast Adhesion, Proliferation, and Function. ACS Biomaterials Science and Engineering, 2018, 4, 4299-4310.	5.2	60
26	Evaluation of Motor Neuron-Like Cell Differentiation of hEnSCs on Biodegradable PLGA Nanofiber Scaffolds. Molecular Neurobiology, 2015, 52, 1704-1713.	4.0	58
27	Fabrication of hydrogel based nanocomposite scaffold containing bioactive glass nanoparticles for myocardial tissue engineering. Materials Science and Engineering C, 2016, 69, 1137-1146.	7.3	57
28	Electrospun nerve guide scaffold of poly(Îµâ€caprolactone)/collagen/nanobioglass: an in vitro study in peripheral nerve tissue engineering. Journal of Biomedical Materials Research - Part A, 2017, 105, 1960-1972.	4.0	57
29	Comparison of Capability of Human Bone Marrow Mesenchymal Stem Cells and Endometrial Stem Cells to Differentiate into Motor Neurons on Electrospun Poly(Îµ-caprolactone) Scaffold. Molecular Neurobiology, 2016, 53, 5278-5287.	4.0	55
30	Threeâ€dimensional culture of differentiated endometrial stromal cells to oligodendrocyte progenitor cells (<scp>OPC</scp>s) in fibrin hydrogel. Cell Biology International, 2013, 37, 1340-1349.	3.0	52
31	The Differentiation of Human Endometrial Stem Cells into Neuron-Like Cells on Electrospun PAN-Derived Carbon Nanofibers with Random and Aligned Topographies. Molecular Neurobiology, 2016, 53, 4798-4808.	4.0	52
32	Human endometrial stem cells as a new source for programming to neural cells. Cell Biology International Reports, 2012, 19, 7-14.	0.6	51
33	Regeneration of sciatic nerve crush injury by a hydroxyapatite nanoparticle-containing collagen type I hydrogel. Journal of Physiological Sciences, 2018, 68, 579-587.	2.1	48
34	Electro-conductive carbon nanofibers as the promising interfacial biomaterials for bone tissue engineering. Journal of Molecular Liquids, 2020, 298, 112021.	4.9	48
35	Preparation of a biomimetic nanocomposite scaffold for bone tissue engineering via mineralization of gelatin hydrogel and study of mineral transformation in simulated body fluid. Journal of Biomedical Materials Research - Part A, 2012, 100A, 1347-1355.	4.0	47
36	A new approach for pancreatic tissue engineering: human endometrial stem cells encapsulated in fibrin gel can differentiate to pancreatic islet betaâ€cell. Cell Biology International, 2014, 38, 1174-1182.	3.0	47

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37	Differentiation Potential of Human Chorion-Derived Mesenchymal Stem Cells into Motor Neuron-Like Cells in Two- and Three-Dimensional Culture Systems. Molecular Neurobiology, 2016, 53, 1862-1872.	4.0	47
38	Enhancing neuronal growth from human endometrial stem cells derived neuronâ€like cells in threeâ€dimensional fibrin gel for nerve tissue engineering. Journal of Biomedical Materials Research - Part A, 2014, 102, 2533-2543.	4.0	46
39	Injectable natural polymer compound for tissue engineering of intervertebral disc: In vitro study. Materials Science and Engineering C, 2017, 80, 502-508.	7.3	46
40	Dental pulp stem cells differentiation into retinal ganglion-like cells in a three dimensional network. Biochemical and Biophysical Research Communications, 2015, 457, 154-160.	2.1	43
41	Self-Assembling Peptide Nanofiber Containing Long Motif of Laminin Induces Neural Differentiation, Tubulin Polymerization, and Neurogenesis: In Vitro, Ex Vivo, and In Vivo Studies. Molecular Neurobiology, 2016, 53, 5288-5299.	4.0	43
42	A novel polycaprolactone/carbon nanofiber composite as a conductive neural guidance channel: an in vitro and in vivo study. Progress in Biomaterials, 2019, 8, 239-248.	4.5	43
43	Chimeric Self-assembling Nanofiber Containing Bone Marrow Homing Peptideâ€™s Motif Induces Motor Neuron Recovery in Animal Model of Chronic Spinal Cord Injury; an In Vitro and In Vivo Investigation. Molecular Neurobiology, 2016, 53, 3298-3308.	4.0	40
44	In vitro evaluation of biomimetic nanocomposite scaffold using endometrial stem cell derived osteoblast-like cells. Tissue and Cell, 2013, 45, 328-337.	2.2	39
45	Inhibitor of PI3K/Akt Signaling Pathway Small Molecule Promotes Motor Neuron Differentiation of Human Endometrial Stem Cells Cultured on Electrospun Biocomposite Polycaprolactone/Collagen Scaffolds. Molecular Neurobiology, 2017, 54, 2547-2554.	4.0	39
46	A silk fibroin/decellularized extract of Whartonâ€™s jelly hydrogel intended for cartilage tissue engineering. Progress in Biomaterials, 2019, 8, 31-42.	4.5	39
47	Differentiation of human endometrial stem cells into endothelial-like cells on gelatin/chitosan/bioglass nanofibrous scaffolds. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 163-173.	2.8	38
48	Enhanced chondrogenesis of human nasal septum derived progenitors on nanofibrous scaffolds. Materials Science and Engineering C, 2014, 40, 445-454.	7.3	37
49	Investigating the neuroglial differentiation effect of neuroblastoma conditioned medium in human endometrial stem cells cultured on 3D nanofibrous scaffold. Journal of Biomedical Materials Research - Part A, 2015, 103, 2621-2627.	4.0	37
50	A novel polyurethane modified with biomacromolecules for small-diameter vascular graft applications. Journal of Materials Science, 2018, 53, 9913-9927.	3.7	37
51	Polyurethane/Gelatin Nanofibrils Neural Guidance Conduit Containing Platelet-Rich Plasma and Melatonin for Transplantation of Schwann Cells. Cellular and Molecular Neurobiology, 2018, 38, 703-713.	3.3	37
52	Potential of Extracellular Vesicles in Neurodegenerative Diseases: Diagnostic and Therapeutic Indications. Journal of Molecular Neuroscience, 2018, 66, 172-179.	2.3	37
53	Programming of human endometrial-derived stromal cells (EnSCs) into pre-oligodendrocyte cells by overexpression of miR-219. Neuroscience Letters, 2013, 537, 65-70.	2.1	36
54	Definitive endoderm differentiation of human-induced pluripotent stem cells using signaling molecules and IDE1 in three-dimensional polymer scaffold. Journal of Biomedical Materials Research - Part A, 2014, 102, 4027-4036.	4.0	36

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55	Evaluation and comparison of the in vitro characteristics and chondrogenic capacity of four adult stem/progenitor cells for cartilage cellâ€based repair. Journal of Biomedical Materials Research - Part A, 2016, 104, 600-610.	4.0	35
56	Differentiation of Human Endometrial Stem Cells into Schwann Cells in Fibrin Hydrogel as 3D Culture. Molecular Neurobiology, 2016, 53, 7170-7176.	4.0	35
57	Use new poly (Îµ-caprolactone/collagen/NBG) nerve conduits along with NGF for promoting peripheral (sciatic) nerve regeneration in a rat. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 34-45.	2.8	34
58	Multipotency expression of human adipose stem cells in filament-like alginate and gelatin derivative hydrogel fabricated through visible light-initiated crosslinking. Materials Science and Engineering C, 2019, 103, 109808.	7.3	34
59	PCL/gelatin nanofibrous scaffolds with human endometrial stem cells/Schwann cells facilitate axon regeneration in spinal cord injury. Journal of Cellular Physiology, 2019, 234, 11060-11069.	4.1	34
60	Derivation of Pre-oligodendrocytes from Human Endometrial Stromal Cells by Using Overexpression of MicroRNA 338. Journal of Molecular Neuroscience, 2013, 51, 337-343.	2.3	33
61	Mechano-Transduction Signals Derived from Self-Assembling Peptide Nanofibers Containing Long Motif of Laminin Influence Neurogenesis in In-Vitro and In-Vivo. Molecular Neurobiology, 2017, 54, 2483-2496.	4.0	33
62	Criticalâ€sized fullâ€thickness skin defect regeneration using ovine small intestinal submucosa with or without mesenchymal stem cells in rat model. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 2177-2190.	3.4	33
63	Structural and functional changes of silk fibroin scaffold due to hydrolytic degradation. Journal of Applied Polymer Science, 2014, 131, .	2.6	32
64	Design and characterization of biodegradable multi layered electrospun nanofibers for corneal tissue engineering applications. Journal of Biomedical Materials Research - Part A, 2019, 107, 2340-2349.	4.0	32
65	MicroRNAâ€4731â€5p delivered by ADâ€mesenchymal stem cells induces cell cycle arrest and apoptosis in glioblastoma. Journal of Cellular Physiology, 2020, 235, 8167-8175.	4.1	32
66	Berberine loaded chitosan nanoparticles encapsulated in polysaccharide-based hydrogel for the repair of spinal cord. International Journal of Biological Macromolecules, 2021, 182, 82-90.	7.5	32
67	Apoptotic effect of atorvastatin in glioblastoma spheroids tumor cultured in fibrin gel. Biomedicine and Pharmacotherapy, 2016, 84, 1959-1966.	5.6	31
68	Extracellular micro/nanovesicles rescue kidney from ischemiaâ€reperfusion injury. Journal of Cellular Physiology, 2019, 234, 12290-12300.	4.1	30
69	Fibrin gel as a scaffold for photoreceptor cells differentiation from conjunctiva mesenchymal stem cells in retina tissue engineering. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 805-814.	2.8	29
70	Comparative evaluation of magnetic hyperthermia performance and biocompatibility of magnetite and novel Fe-doped hardystonite nanoparticles for potential bone cancer therapy. Materials Science and Engineering C, 2019, 98, 930-938.	7.3	29
71	Derivation of Adipocytes from Human Endometrial Stem Cells (EnSCs). Journal of Reproduction and Infertility, 2012, 13, 151-7.	1.0	29
72	Combinational immune-cell therapy of natural killer cells and sorafenib for advanced hepatocellular carcinoma: a review. Cancer Cell International, 2018, 18, 133.	4.1	28

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73	Sciatic nerve regeneration with collagen type I hydrogel containing chitosan nanoparticle loaded by insulin. International Journal of Polymeric Materials and Polymeric Biomaterials, 2019, 68, 1133-1141.	3.4	28
74	Delivery of injectable thermo-sensitive hydrogel releasing nerve growth factor for spinal cord regeneration in rat animal model. Journal of Tissue Viability, 2020, 29, 359-366.	2.0	28
75	High porous electrospun poly(Îµâ€caprolactone)/gelatin/<scp>MgO</scp> scaffolds <scp>preseeded</scp> with endometrial stem cells promote tissue regeneration in <scp>fullâ€thickness</scp> skin wounds: An in vivo study. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 2961-2970.	3.4	28
76	Differentiation Potential of Human Bone Marrow Mesenchymal Stem Cells into Motorneuron-like Cells on Electrospun Gelatin Membrane. Journal of Molecular Neuroscience, 2015, 55, 845-853.	2.3	27
77	Synthesis of calcium phosphate-zirconia scaffold and human endometrial adult stem cells for bone tissue engineering. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 66-73.	2.8	27
78	Electrospun PLLA nanofiber scaffolds for bladder smooth muscle reconstruction. International Urology and Nephrology, 2016, 48, 1097-1104.	1.4	27
79	Characterization of decellularized ovine small intestine submucosal layer as extracellular matrixâ€based scaffold for tissue engineering. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 933-944.	3.4	27
80	Tissueâ€engineered nerve graft using silkâ€fibroin/polycaprolactone fibrous mats decorated with bioactive cerium oxide nanoparticles. Journal of Biomedical Materials Research - Part A, 2021, 109, 1588-1599.	4.0	27
81	Endothelial and Osteoblast Differentiation of Adipose-Derived Mesenchymal Stem Cells Using a Cobalt-Doped CaP/Silk Fibroin Scaffold. ACS Biomaterials Science and Engineering, 2019, 5, 2134-2146.	5.2	25
82	Chitosan/gelatin hydrogel and endometrial stem cells with subsequent atorvastatin injection impact in regenerating spinal cord tissue. Journal of Drug Delivery Science and Technology, 2020, 58, 101831.	3.0	25
83	Thermogel nanofiber induces human endometrial-derived stromal cells to neural differentiation:In vitroandin vivostudies in rat. Journal of Biomedical Materials Research - Part A, 2014, 102, n/a-n/a.	4.0	24
84	Induction of human umbilical Whartonâ€™s jelly-derived mesenchymal stem cells toward motor neuron-like cells. In Vitro Cellular and Developmental Biology - Animal, 2015, 51, 987-994.	1.5	24
85	Retina tissue engineering by conjunctiva mesenchymal stem cells encapsulated in fibrin gel: Hypotheses on novel approach to retinal diseases treatment. Medical Hypotheses, 2017, 101, 75-77.	1.5	24
86	Naringin-loaded Poly(Îµ-caprolactone)/Gelatin Electrospun Mat as a Potential Wound Dressing: In vitro and In vivo Evaluation. Fibers and Polymers, 2018, 19, 125-134.	2.1	24
87	In vitro physical and biological characterization of biodegradable elastic polyurethane containing ferulic acid for small-caliber vascular grafts. Biomedical Materials (Bristol), 2018, 13, 035007.	3.3	24
88	A comparison study on the behavior of human endometrial stem cell-derived osteoblast cells on PLGA/HA nanocomposite scaffolds fabricated by electrospinning and freeze-drying methods. Journal of Orthopaedic Surgery and Research, 2018, 13, 63.	2.3	24
89	Transplantation of miRâ€219 overexpressed human endometrial stem cells encapsulated in fibrin hydrogel in spinal cord injury. Journal of Cellular Physiology, 2019, 234, 18887-18896.	4.1	24
90	Cell encapsulation in core-shell microcapsules through coaxial electrospinning system and horseradish peroxidase-catalyzed crosslinking. Biomedical Physics and Engineering Express, 2020, 6, 015022.	1.2	24

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91	The activation of satellite cells by nanofibrous poly É›-caprolacton constructs. Journal of Biomaterials Applications, 2014, 28, 801-812.	2.4	23
92	Impact of atorvastatin loaded exosome as an anti-glioblastoma carrier to induce apoptosis of U87 cancer cells in 3D culture model. Biochemistry and Biophysics Reports, 2020, 23, 100792.	1.3	23
93	Thermoresponsive polyurethane/siloxane membrane for wound dressing and cell sheet transplantation: In-vitro and in-vivo studies. Materials Science and Engineering C, 2016, 69, 804-814.	7.3	22
94	Enhanced sciatic nerve regeneration by human endometrial stem cells in an electrospun poly (Îµ-caprolactone)/collagen/NBG nerve conduit in rat. Artificial Cells, Nanomedicine and Biotechnology, 2017, 46, 1-13.	2.8	22
95	Tissue-Engineered Regeneration of Hemisected Spinal Cord Using Human Endometrial Stem Cells, Poly Îµ-Caprolactone Scaffolds, and Crocin as a Neuroprotective Agent. Molecular Neurobiology, 2017, 54, 5657-5667.	4.0	22
96	Resveratrol-loaded polyurethane nanofibrous scaffold: viability of endothelial and smooth muscle cells. Biomedical Materials (Bristol), 2020, 15, 015001.	3.3	22
97	Chitosan hydrogel loaded with <scp>Aloe vera</scp> gel and tetrasodium ethylenediaminetetraacetic acid (<scp>EDTA</scp>) as the wound healing material: in vitro and in vivo study. Journal of Applied Polymer Science, 2021, 138, 50225.	2.6	22
98	Expression of Glycodelin and Cyclooxygenase-2 in Human Endometrial Tissue Following Three-dimensional Culture. American Journal of Reproductive Immunology, 2007, 57, 49-54.	1.2	21
99	Noggin Along with a Self-Assembling Peptide Nanofiber Containing Long Motif of Laminin Induces Tyrosine Hydroxylase Gene Expression. Molecular Neurobiology, 2017, 54, 4609-4616.	4.0	21
100	Functionalization of PAN-Based Electrospun Carbon Nanofibers by Acid Oxidation: Study of Structural,Electrical and Mechanical Properties. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 930-937.	2.1	20
101	Natural Killer Cells from the Subcutaneous Adipose Tissue Underexpress the NKp30 and NKp44 in Obese Persons and Are Less Active against Major Histocompatibility Complex Class I Non-Expressing Neoplastic Cells. Frontiers in Immunology, 2017, 8, 1486.	4.8	20
102	Overexpression of miR-219 promotes differentiation of human induced pluripotent stem cells into pre-oligodendrocyte. Journal of Chemical Neuroanatomy, 2018, 91, 8-16.	2.1	20
103	Mesenchymal stromal cells induce inhibitory effects on hepatocellular carcinoma through various signaling pathways. Cancer Cell International, 2019, 19, 329.	4.1	20
104	Human endometrial stem cells differentiation into functional hepatocyteâ€like cells. Cell Biology International, 2014, 38, 825-834.	3.0	19
105	The effect of Noggin supplementation in Matrigel nanofiber-based cell culture system for derivation of neural-like cells from human endometrial-derived stromal cells. Journal of Biomedical Materials Research - Part A, 2015, 103, 1-7.	4.0	19
106	Combination therapy of mesenchymal stromal cells and sulfasalazine attenuates trinitrobenzene sulfonic acid induced colitis in the rat: The S1P pathway. Journal of Cellular Physiology, 2019, 234, 11078-11091.	4.1	19
107	Application of Platelet Rich Fibrin in Tissue Engineering: Focus on Bone Regeneration. Platelets, 2021, 32, 183-188.	2.3	19
108	Extracellular Vesicles as a Neprilysin Delivery System Memory Improvement in Alzheimer's Disease. Iranian Journal of Pharmaceutical Research, 2020, 19, 45-60.	0.5	19

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109	The healing effect of licorice extract in acetic acid-induced ulcerative colitis in rat model. Comparative Clinical Pathology, 2012, 21, 1139-1144.	0.7	18
110	In vitro evaluation of human endometrial stem cellâ€derived osteoblastâ€like cellsâ€™ behavior on gelatin/collagen/bioglass nanofibersâ€™ scaffolds. Journal of Biomedical Materials Research - Part A, 2016, 104, 2210-2219.	4.0	18
111	In vivo assessment of a nanofibrous silk tube as nerve guide for sciatic nerve regeneration. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 394-401.	2.8	18
112	Fibrin hydrogel as a scaffold for differentiation of induced pluripotent stem cells into oligodendrocytes. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 192-200.	3.4	18
113	Preparation and characterization of poly(ethylene oxide)/zinc oxide nanofibrous scaffold for chronic wound healing applications. Polimery W Medycynie, 2020, 50, 41-51.	1.7	18
114	Fabrication of Coated-Collagen Electrospun PHBV Nanofiber Film by Plasma Method and Its Cellular Study. Journal of Nanomaterials, 2011, 2011, 1-8.	2.7	17
115	Purmorphamine as a Shh Signaling Activator Small Molecule Promotes Motor Neuron Differentiation of Mesenchymal Stem Cells Cultured on Nanofibrous PCL Scaffold. Molecular Neurobiology, 2017, 54, 5668-5675.	4.0	17
116	Defining the role of 17Î²â€estradiol in human endometrial stem cells differentiation into neuronâ€like cells. Cell Biology International, 2021, 45, 140-153.	3.0	17
117	The Role of Stem Cells in the Treatment of Cerebral Palsy: a Review. Molecular Neurobiology, 2017, 54, 4963-4972.	4.0	16
118	Reduction of marginal mass required for successful islet transplantation in a diabetic rat model using adipose tissueâ€“derived mesenchymal stromal cells. Cytotherapy, 2018, 20, 1124-1142.	0.7	16
119	Anti-IgE monoclonal antibodies as potential treatment in COVID-19. Immunopharmacology and Immunotoxicology, 2021, 43, 259-264.	2.4	16
120	The Anti-Angiogenic Effect of Atorvastatin in Glioblastoma Spheroids Tumor Cultured in Fibrin Gel: in 3D in Vitro Model. Asian Pacific Journal of Cancer Prevention, 2018, 19, 2553-2560.	1.2	16
121	Mechanical Properties of Chitosan-Starch Composite Filled Hydroxyapatite Micro- and Nanopowders. Journal of Nanomaterials, 2011, 2011, 1-5.	2.7	15
122	Differential effect of Activin A and WNT3a on definitive endoderm differentiation on electrospun nanofibrous PCL scaffold. Cell Biology International, 2015, 39, 591-599.	3.0	15
123	Proanthocyanidin as a crosslinking agent for fibrin, collagen hydrogels and their composites with decellularized Whartonâ€™s-jelly-extract for tissue engineering applications. Journal of Bioactive and Compatible Polymers, 2020, 35, 554-571.	2.1	15
124	Human Endometrial Stem Cell Isolation from Endometrium and Menstrual Blood. Bio-protocol, 2018, 8, e2693.	0.4	15
125	Skin regeneration stimulation: the role of PCLâ€platelet gel nanofibrous scaffold. Microscopy Research and Technique, 2017, 80, 495-503.	2.2	14
126	The effect of purmorphamine on differentiation of endometrial stem cells into osteoblast-like cells on collagen/hydroxyapatite scaffolds. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 1343-1349.	2.8	14

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127	Improved human endometrial stem cells differentiation into functional hepatocyteâ€like cells on a glycosaminoglycan/collagenâ€grafted polyethersulfone nanofibrous scaffold. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 2516-2529.	3.4	14
128	Electrospun Poly(Îµ-caprolactone)/Gelatin Nanofibrous Mat Containing Selenium as a Potential Wound Dressing Material: In Vitro and In Vivo Study. Fibers and Polymers, 2020, 21, 1713-1721.	2.1	14
129	Adaptive NK Cell Therapy Modulated by Anti-PD-1 Antibody in Gastric Cancer Model. Frontiers in Pharmacology, 2021, 12, 733075.	3.5	14
130	Effect of dentine matrix proteins on human endometrial adult stem-like cells: In vitro regeneration of odontoblasts cells. Archives of Oral Biology, 2013, 58, 871-879.	1.8	13
131	Anti-inflammatory Effects of Atorvastatin by Suppressing TRAF3IP2 and IL-17RA in Human Glioblastoma Spheroids Cultured in a Three-dimensional Model: Possible Relevance to Glioblastoma Treatment. Molecular Neurobiology, 2018, 55, 2102-2110.	4.0	13
132	A facile two step heat treatment strategy for development of bioceramic scaffolds for hard tissue engineering applications. Materials Science and Engineering C, 2019, 105, 110009.	7.3	13
133	Combination therapy of sorafenib with mesenchymal stem cells as a novel cancer treatment regimen in xenograft models of hepatocellular carcinoma. Journal of Cellular Physiology, 2019, 234, 9495-9503.	4.1	13
134	Stem Cells and Hydrogels for Liver Tissue Engineering: Synergistic Cure for Liver Regeneration. Stem Cell Reviews and Reports, 2020, 16, 1092-1104.	3.8	13
135	Microtubule stabilizer epothilone B as a motor neuron differentiation agent for human endometrial stem cells. Cell Biology International, 2020, 44, 1168-1183.	3.0	13
136	Preparation and characterization of <scp>58S</scp> bioactive glass based scaffold with Kaempferolâ€containing Zein coating for bone tissue engineering. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 1259-1270.	3.4	13
137	Effect of dexamethasone, insulin and EGF on the myogenic potential on human endometrial stem cell. Iranian Journal of Pharmaceutical Research, 2014, 13, 659-64.	0.5	13
138	Curcumin-loaded human endometrial stem cells derived exosomes as an effective carrier to suppress alpha-synuclein aggregates in 6OHDA-induced Parkinsonâ€™s disease mouse model. Cell and Tissue Banking, 2023, 24, 75-91.	1.1	13
139	Induction of spontaneous neo-angiogenesis and tube formation in human endometrial stem cells by bioglass. Journal of Medical Hypotheses and Ideas, 2015, 9, 94-98.	0.7	12
140	Metformin-Loaded PCL/PVA Fibrous Scaffold Preseeded with Human Endometrial Stem Cells for Effective Guided Bone Regeneration Membranes. ACS Biomaterials Science and Engineering, 2021, 7, 222-231.	5.2	12
141	A facile way for development of three-dimensional localized drug delivery system for bone tissue engineering. Materials Science and Engineering C, 2019, 105, 110032.	7.3	11
142	Investigation of properties of chemically cross-linked silk nanofibrous mat as a nerve guide. Materials Technology, 2017, 32, 551-559.	3.0	10
143	Human Wharton's jelly-derived mesenchymal stem cells express oocyte developmental genes during co-culture with placental cells. Iranian Journal of Basic Medical Sciences, 2015, 18, 22-9.	1.0	10
144	Preparation and characterization of 3D nanocomposite scaffold from bioactive glass/Î²-tricalcium phosphate via Robocasting method for bone tissue engineering. Journal of Non-Crystalline Solids, 2022, 593, 121769.	3.1	10

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145	Mesenchymal endometrial stem/stromal cells for hard tissue engineering: a review of in vitro and in vivo evidence. Regenerative Medicine, 2017, 12, 983-995.	1.7	9
146	A focus on allogeneic mesenchymal stromal cells as a versatile therapeutic tool for treating multiple sclerosis. Stem Cell Research and Therapy, 2021, 12, 400.	5.5	9
147	Fabrication and Characterization of a Three-Dimensional Fibrin Gel Model to Evaluate Anti-Proliferative Effects of Astragalus hamosus Plant Extract on Breast Cancer Cells. Asian Pacific Journal of Cancer Prevention, 2022, 23, 731-741.	1.2	9
148	Hyaluronic acid/gelatin microcapsule functionalized with carbon nanotube through laccaseâ€catalyzed crosslinking for fabrication of cardiac microtissue. Journal of Biomedical Materials Research - Part A, 2022, 110, 1866-1880.	4.0	9
149	Standard Operating Procedure for the Good Manufacturing Practice-Compliant Production of Human Endometrial Stem Cells for Multiple Sclerosis. Methods in Molecular Biology, 2020, 2286, 199-212.	0.9	8
150	Natural Killer Cell Expansion with Autologous Feeder Layer and Anti-CD3 Antibody for Immune Cell Therapy of Hepatocellular Carcinoma. Asian Pacific Journal of Cancer Prevention, 2019, 20, 3797-3803.	1.2	8
151	Involvement of EGFR, ERK-1,2 and AKT-1,2 Activity on Human Glioma Cell Growth. Asian Pacific Journal of Cancer Prevention, 2020, 21, 3469-3475.	1.2	8
152	Derivation of preoligodendrocytes from humanâ€induced pluripotent stem cells through overexpression of microRNA 338. Journal of Cellular Biochemistry, 2019, 120, 9700-9708.	2.6	7
153	Tissue engineering applications in breast cancer. Journal of Medical Engineering and Technology, 2020, 44, 162-168.	1.4	7
154	The cardiac niche role in cardiomyocyte differentiation of rat bone marrow-derived stromal cells: comparison between static and microfluidic cell culture methods. EXCLI Journal, 2018, 17, 762-774.	0.7	7
155	Colonization of Mouse Spermatogonial Cells in Modified Soft Agar Culture System Utilizing Nanofibrous Scaffold: A New Approach. , 2019, 8, 1319.		7
156	Imminent angiotensin-converting enzyme inhibitor from microbial source for cancer therapy. International Journal of Preventive Medicine, 2017, 8, 80.	0.4	7
157	Human endometrial adult stem cells may differentiate into odontoblast cells. Hypothesis (University) Tj ETQq1 1 0.784314 rgBT /Over	1.1	7
158	Alginate-Based Hydrogel Containing Taurine-Loaded Chitosan Nanoparticles in Biomedical Application. Archives of Neuroscience, 2019, In Press, .	0.3	7
159	Improving motor neuron-like cell differentiation of hEnSCs by the combination of epothilone B loaded PCL microspheres in optimized 3D collagen hydrogel. Scientific Reports, 2021, 11, 21722.	3.3	7
160	BMP-2 can promote the osteogenic differentiation of human endometrial stem cells. Asian Biomedicine, 2014, 8, 21-29.	0.3	6
161	Human unrestricted somatic stem cells ameliorate sepsisâ€related acute lung injury in mice. Journal of Cellular Physiology, 2019, 234, 13942-13950.	4.1	6
162	Simultaneous impact of atorvastatin and mesenchymal stem cells for glioblastoma multiform suppression in rat glioblastoma multiform model. Molecular Biology Reports, 2020, 47, 7783-7795.	2.3	6

#	Article	IF	Citations
163	miR-219 overexpressing oligodendrocyte progenitor cells for treating compression spinal cord injury. Metabolic Brain Disease, 2021, 36, 1069-1077.	2.9	6
164	Repair of injured spinal cord using platelet-rich plasma- and endometrial stem cells-loaded chitosan scaffolds. International Journal of Polymeric Materials and Polymeric Biomaterials, 2021, 70, 1002-1011.	3.4	5
165	Vildagliptin Enhances Differentiation of Insulin Producing Cells from Adipose-Derived Mesenchymal Stem Cells. Cell Journal, 2019, 20, 477-482.	0.2	5
166	Stem Cell Therapy in Limb Ischemia: State-of-Art, Perspective, and Possible Impacts of Endometrial-Derived Stem Cells. Frontiers in Cell and Developmental Biology, 2022, 10, .	3.7	5
167	Human endometrial adult stem cells can be differentiated into hepatocyte cells. Journal of Medical Hypotheses and Ideas, 2014, 8, 30-33.	0.7	4
168	The effect of methadone, buprenorphine, and shift of methadone to buprenorphine on sperm parameters and antioxidant activity in a male rat model. Comparative Clinical Pathology, 2020, 29, 469-476.	0.7	4
169	Mussel-inspired polydopamine-coated silk fibroin as a promising biomaterial. Bioinspired, Biomimetic and Nanobiomaterials, 2020, 9, 147-154.	0.9	4
170	An overview on tumor treating fields (TTFields) technology as a new potential subsidiary biophysical treatment for COVID-19. Drug Delivery and Translational Research, 2022, 12, 1605-1615.	5.8	4
171	Repair of critical size rat calvarial defects using endometrial-derived stem cells embedded within gelatin/apatite nanocomposite scaffold. Stem Cell Discovery, 2013, 03, 37-43.	0.5	4
172	Atorvastatin Inhibits Viability and Migration of MCF7 Breast Cancer Cells. Asian Pacific Journal of Cancer Prevention, 2022, 23, 867-875.	1.2	4
173	Poster presentations. Surgical and Radiologic Anatomy, 2009, 31, 95-229.	1.2	3
174	Differentiation of human endometrial stem cells into germ cell â€“ Like cell in fibrin scaffold. Journal of Medical Hypotheses and Ideas, 2015, 9, 90-93.	0.7	3
175	Tracking of GFP-labeled unrestricted somatic stem cells transplanted in the sepsis mouse model. Tissue and Cell, 2019, 60, 33-37.	2.2	3
176	Overexpression of SMN2 Gene in Motoneuron-Like Cells Differentiated from Adipose-Derived Mesenchymal Stem Cells by Ponasterone A. Journal of Molecular Neuroscience, 2019, 67, 247-257.	2.3	3
177	Human Endometrial Stem Cells May Differentiate into Schwann Cells in Fibrin Gel as 3D Culture. Neuroscience and Medicine, 2015, 06, 160-164.	0.2	3
178	Differentiation of Periodontal Ligament Stem Cells Into Osteoblasts on Hybrid Alginate/ Polyvinyl Alcohol/ Hydroxyapatite Nanofibrous Scaffolds. Archives of Neuroscience, 2018, In Press, .	0.3	3
179	The Role of Forced and Voluntary Training on Accumulation of Neural Cell Adhesion Molecule and Polysialic Acid in Muscle of Mice with Experimental Autoimmune Encephalomyelitis. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-9.	1.2	2
180	Comparison of insulin secretion by transduced adiposeâ€derived and endometrialâ€derived stem cells in 2D and 3D cultures on fibrin scaffold. Journal of Biomedical Materials Research - Part A, 2021, 109, 1036-1044.	4.0	2

#	Article	IF	Citations
181	Comparison of Cell Proliferation and Adhesion of Human Osteoblast Differentiated Cells on Electrospun and Freeze-Dried PLGA/Bioglass Scaffolds. Archives of Neuroscience, 2018, 5, .	0.3	2
182	Cell-Based Therapy for Spinal Muscular Atrophy. Advances in Experimental Medicine and Biology, 2020, 1266, 117-125.	1.6	2
183	Synergistic inhibitory effect of human umbilical cord matrix mesenchymal stem cells-conditioned medium and atorvastatin on MCF7 cancer cells viability and migration. Cell and Tissue Banking, 2022, 23, 767-789.	1.1	2
184	An open-label phase 1 clinical trial of the allogeneic side population adipose-derived mesenchymal stem cells in SMA type 1 patients. Neurological Sciences, 2021, , 1.	1.9	1
185	Effect of deforolimus and VEGF on angiogenesis in endometrial stromal cells following three-dimensional culture. Stem Cell Discovery, 2013, 03, 7-12.	0.5	1
186	Influence of Follicular Fluid and Seminal Plasma on The Expression of Endometrial Receptivity Genes in Endometrial Cells. Cell Journal, 2021, 22, 457-466.	0.2	1
187	The effects of Sorafenib and Natural killer cell co-injection in combinational treatment of hepatocellular carcinoma; an in vivo approach. Pharmacological Reports, 2022, 74, 379-391.	3.3	1
188	Endometrial Stem Cells and Endometriosis. , 2012, , .		0
189	Human endometrial stem cells differentiation into functional hepatocyte-like cells. Cell Biology International, 2015, 39, 129-129.	3.0	0
190	Current Understanding Realities of Umbilical Cord Stem Cells Biology and Future Perspectives in Clinical Application. Pancreatic Islet Biology, 2016, , 107-136.	0.3	0
191	Preparation and characterization of highly porous ceramic-based nanocomposite scaffolds with improved mechanical properties using the liquid phase-assisted sintering method. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2019, 233, 1854-1865.	1.1	0