Reza Rahbarghazi

List of Publications by Year in descending order

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236 papers

5,092 citations

94381 37 h-index 54 g-index

265 all docs 265 docs citations

265 times ranked 6035 citing authors

#	Article	IF	Citations
1	Tumor-derived extracellular vesicles: reliable tools for Cancer diagnosis and clinical applications. Cell Communication and Signaling, 2019, $17,73$.	2.7	138
2	3D-printed microneedles in biomedical applications. IScience, 2021, 24, 102012.	1.9	113
3	Cancer stem cells-emanated therapy resistance: Implications for liposomal drug delivery systems. Journal of Controlled Release, 2018, 288, 62-83.	4.8	101
4	Interactions of Mesenchymal Stem Cells with Endothelial Cells. Stem Cells and Development, 2014, 23, 319-332.	1.1	91
5	The roles of non-coding RNAs in Parkinson's disease. Molecular Biology Reports, 2016, 43, 1193-1204.	1.0	91
6	Exosomes and their Application in Biomedical Field: Difficulties and Advantages. Molecular Neurobiology, 2018, 55, 3372-3393.	1.9	91
7	Tissue engineering strategies for the induction of angiogenesis using biomaterials. Journal of Biological Engineering, 2018, 12, 36.	2.0	91
8	The potential therapeutic effect of melatonin on human ovarian cancer by inhibition of invasion and migration of cancer stem cells. Scientific Reports, 2017, 7, 17062.	1.6	87
9	Breast cancerâ€derived exosomes: Tumor progression and therapeutic agents. Journal of Cellular Physiology, 2020, 235, 6345-6356.	2.0	79
10	Current progress in hepatic tissue regeneration by tissue engineering. Journal of Translational Medicine, 2019, 17, 383.	1.8	77
11	Dynamic induction of pro-angiogenic milieu after transplantation of marrow-derived mesenchymal stem cells in experimental myocardial infarction. International Journal of Cardiology, 2014, 173, 453-466.	0.8	75
12	Exosomal delivery of therapeutic modulators through the blood–brain barrier; promise and pitfalls. Cell and Bioscience, 2021, 11, 142.	2.1	70
13	Targeting pericytes for neurovascular regeneration. Cell Communication and Signaling, 2019, 17, 26.	2.7	67
14	Quercetin alleviates high glucose-induced damage on human umbilical vein endothelial cells by promoting autophagy. Phytomedicine, 2019, 56, 183-193.	2.3	65
15	Juxtacrine and Paracrine Interactions of Rat Marrow-Derived Mesenchymal Stem Cells, Muscle-Derived Satellite Cells, and Neonatal Cardiomyocytes with Endothelial Cells in Angiogenesis Dynamics. Stem Cells and Development, 2013, 22, 855-865.	1.1	64
16	Role of autophagy in atherosclerosis: foe or friend?. Journal of Inflammation, 2019, 16, 8.	1.5	64
17	Synthesis and <i>in vitro</i> evaluation of thermosensitive hydrogel scaffolds based on (PNIPAAm-PCL-PEG-PCL-PNIPAAm)/Gelatin and (PCL-PEG-PCL)/Gelatin for use in cartilage tissue engineering. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 1185-1206.	1.9	62
18	Comparative study of collagen and gelatin in chitosan-based hydrogels for effective wound dressing: Physical properties and fibroblastic cell behavior. Biochemical and Biophysical Research Communications, 2019, 518, 625-631.	1.0	59

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19	Cardioprotective role of extracellular vesicles: A highlight on exosome beneficial effects in cardiovascular diseases. Journal of Cellular Physiology, 2019, 234, 21732-21745.	2.0	59
20	Evaluation of Motor Neuron-Like Cell Differentiation of hEnSCs on Biodegradable PLGA Nanofiber Scaffolds. Molecular Neurobiology, 2015, 52, 1704-1713.	1.9	58
21	Surface plasmon resonance biosensors for detection of Alzheimer's biomarkers; an effective step in early and accurate diagnosis. Biosensors and Bioelectronics, 2020, 167, 112511.	5.3	58
22	Quercetin promotes learning and memory performance concomitantly with neural stem/progenitor cell proliferation and neurogenesis in the adult rat dentate gyrus. International Journal of Developmental Neuroscience, 2019, 74, 18-26.	0.7	54
23	Exosomal cargos modulate autophagy in recipient cells via different signaling pathways. Cell and Bioscience, 2020, 10, 92.	2.1	54
24	Distinct role of autophagy on angiogenesis: highlights on the effect of autophagy in endothelial lineage and progenitor cells. Stem Cell Research and Therapy, 2018, 9, 305.	2.4	53
25	Hypoxic exosomes orchestrate tumorigenesis: molecular mechanisms and therapeutic implications. Journal of Translational Medicine, 2020, 18, 474.	1.8	53
26	Type 2 Diabetes Inhibited Human Mesenchymal Stem Cells Angiogenic Response by Overâ€Activity of the Autophagic Pathway. Journal of Cellular Biochemistry, 2017, 118, 1518-1530.	1.2	52
27	Rapamycin inhibits oxidative/nitrosative stress and enhances angiogenesis in high glucose-treated human umbilical vein endothelial cells: Role of autophagy. Biomedicine and Pharmacotherapy, 2017, 93, 885-894.	2.5	52
28	Low-level laser irradiation at a high power intensity increased human endothelial cell exosome secretion via Wnt signaling. Lasers in Medical Science, 2018, 33, 1131-1145.	1.0	50
29	Potent anti-angiogenic and cytotoxic effect of conferone on human colorectal adenocarcinoma HT-29 cells. Phytomedicine, 2016, 23, 398-405.	2.3	49
30	Tumor-derived extracellular vesicles: insights into bystander effects of exosomes after irradiation. Lasers in Medical Science, 2020, 35, 531-545.	1.0	49
31	NK cells-directed therapies target circulating tumor cells and metastasis. Cancer Letters, 2021, 497, 41-53.	3.2	47
32	ECMâ€Dependence of Endothelial Progenitor Cell Features. Journal of Cellular Biochemistry, 2016, 117, 1934-1946.	1.2	45
33	Angiogenic and Restorative Abilities of Human Mesenchymal Stem Cells Were Reduced Following Treatment With Serum From Diabetes Mellitus Type 2 Patients. Journal of Cellular Biochemistry, 2018, 119, 524-535.	1.2	44
34	Fabrication and characterization of novel ethyl cellulose-grafted-poly (É>-caprolactone)/alginate nanofibrous/macroporous scaffolds incorporated with nano-hydroxyapatite for bone tissue engineering. Journal of Biomaterials Applications, 2019, 33, 1128-1144.	1.2	44
35	Alginateâ€gelatin encapsulation of human endothelial cells promoted angiogenesis in in vivo and in vitro milieu. Biotechnology and Bioengineering, 2017, 114, 2920-2930.	1.7	43
36	Applications, challenges and prospects of mesenchymal stem cell exosomes in regenerative medicine. Stem Cell Research and Therapy, 2021, 12, 521.	2.4	43

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37	Cardiac progenitor cells application in cardiovascular disease. Journal of Cardiovascular and Thoracic Research, 2017, 9, 127-132.	0.3	41
38	Enhanced penetration and cytotoxicity of metformin and collagenase conjugated gold nanoparticles in breast cancer spheroids. Life Sciences, 2019, 231, 116545.	2.0	41
39	Ovarian function and reproductive outcome after ovarian tissue transplantation: a systematic review. Journal of Translational Medicine, 2019, 17, 396.	1.8	41
40	Autophagy modulation altered differentiation capacity of CD146+ cells toward endothelial cells, pericytes, and cardiomyocytes. Stem Cell Research and Therapy, 2020, 11, 139.	2.4	41
41	Curcumin ameliorated myocardial infarction by inhibition of cardiotoxicity in the rat model. Journal of Cellular Biochemistry, 2019, 120, 11965-11972.	1.2	40
42	Carvacrol promotes angiogenic paracrine potential and endothelial differentiation of human mesenchymal stem cells at low concentrations. Microvascular Research, 2018, 115, 20-27.	1.1	39
43	High glucose condition limited the angiogenic/cardiogenic capacity of murine cardiac progenitor cells in in vitro and in vivo milieu. Cell Biochemistry and Function, 2018, 36, 346-356.	1.4	39
44	Label-free biosensors in the field of stem cell biology. Biosensors and Bioelectronics, 2018, 101, 188-198.	5.3	38
45	Systemic delivery of mesenchymal stem cells condition media in repeated doses acts as magic bullets in restoring IFN- $\hat{1}^3$ /IL-4 balance in asthmatic rats. Life Sciences, 2018, 212, 30-36.	2.0	38
46	Autologous mitochondrial microinjection; a strategy to improve the oocyte quality and subsequent reproductive outcome during aging. Cell and Bioscience, 2019, 9, 95.	2.1	38
47	Endothelial cells' biophysical, biochemical, and chromosomal aberrancies in highâ€glucose condition within the diabetic range. Cell Biochemistry and Function, 2017, 35, 83-97.	1.4	37
48	Early-stage detection of VE-cadherin during endothelial differentiation of human mesenchymal stem cells using SPR biosensor. Biosensors and Bioelectronics, 2017, 96, 358-366.	5.3	37
49	Collagenâ€alginateâ€nanoâ€silica microspheres improved the osteogenic potential of human osteoblastâ€like MGâ€63 cells. Journal of Cellular Biochemistry, 2019, 120, 15069-15082.	1.2	36
50	Endothelial juxtaposition of distinct adult stem cells activates angiogenesis signaling molecules in endothelial cells. Cell and Tissue Research, 2015, 362, 597-609.	1.5	35
51	Diabetic sera disrupted the normal exosome signaling pathway in human mesenchymal stem cells in vitro. Cell and Tissue Research, 2018, 374, 555-565.	1.5	35
52	Electrospun nanofibers for the fabrication of engineered vascular grafts. Journal of Biological Engineering, 2019, 13, 83.	2.0	35
53	A critical review of fibrous polyurethane-based vascular tissue engineering scaffolds. Journal of Biological Engineering, 2022, 16, 6.	2.0	34
54	The role of morphine on rat neural stem cells viability, neuro-angiogenesis and neuro-steroidgenesis properties. Neuroscience Letters, 2017, 636, 205-212.	1.0	33

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55	Silibinin protects human endothelial cells from high glucoseâ€induced injury by enhancing autophagic response. Journal of Cellular Biochemistry, 2018, 119, 8084-8094.	1.2	33
56	Role of glycogen synthase kinase following myocardial infarction and ischemia–reperfusion. Apoptosis: an International Journal on Programmed Cell Death, 2017, 22, 887-897.	2.2	32
57	Bone marrow mesenchymal stem cells and their conditioned media could potentially ameliorate ovalbumin-induced asthmatic changes. Biomedicine and Pharmacotherapy, 2017, 85, 28-40.	2.5	31
58	Bone marrow mesenchymal stem cells and condition media diminish inflammatory adhesion molecules of pulmonary endothelial cells in an ovalbumin-induced asthmatic rat model. Microvascular Research, 2019, 121, 63-70.	1.1	31
59	Intra-ovarian injection of platelet-rich plasma into ovarian tissue promoted rejuvenation in the rat model of premature ovarian insufficiency and restored ovulation rate via angiogenesis modulation. Reproductive Biology and Endocrinology, 2020, 18, 78.	1.4	31
60	Collagen and nano-hydroxyapatite interactions in alginate-based microcapsule provide an appropriate osteogenic microenvironment for modular bone tissue formation. Carbohydrate Polymers, 2022, 277, 118807.	5.1	30
61	Treatment of cancer stem cells from human colon adenocarcinoma cell line HT-29 with resveratrol and sulindac induced mesenchymal-endothelial transition rate. Cell and Tissue Research, 2019, 376, 377-388.	1.5	29
62	Detection of CD133-marked cancer stem cells by surface plasmon resonance: Its application in leukemia patients. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 1575-1582.	1.1	28
63	Nano-featured poly (lactide-co-glycolide)-graphene microribbons as a promising substrate for nerve tissue engineering. Composites Part B: Engineering, 2019, 173, 106863.	5.9	28
64	Modulatory effect of photobiomodulation on stem cell epigenetic memory: a highlight on differentiation capacity. Lasers in Medical Science, 2020, 35, 299-306.	1.0	28
65	Potential role of polyunsaturated fatty acids, with particular regard to the signaling pathways of arachidonic acid and its derivatives in the process of maturation of the oocytes: Contemporary review. Biomedicine and Pharmacotherapy, 2017, 94, 458-467.	2.5	27
66	A novel egg-shell membrane based hybrid nanofibrous scaffold for cutaneous tissue engineering. Journal of Biological Engineering, 2019, 13, 79.	2.0	27
67	Amniotic fluid-derived exosomes improved spermatogenesis in a rat model of azoospermia. Life Sciences, 2021, 274, 119336.	2.0	27
68	Serological proteome analysis of dogs with breast cancer unveils common serum biomarkers with human counterparts. Electrophoresis, 2014, 35, 901-910.	1.3	26
69	Biomimetic antifouling PDMS surface developed via well-defined polymer brushes for cardiovascular applications. European Polymer Journal, 2018, 106, 305-317.	2.6	26
70	Systemic Transplantation of Mesenchymal Stem Cells Modulates Endothelial Cell Adhesion Molecules Induced by Ovalbumin in Rat Model of Asthma. Inflammation, 2018, 41, 2236-2245.	1.7	25
71	Curcumin modulates the angiogenic potential of human endothelial cells via FAK/P-38 MAPK signaling pathway. Gene, 2019, 688, 7-12.	1.0	25
72	Effects of combination of melatonin and laser irradiation on ovarian cancer cells and endothelial lineage viability. Lasers in Medical Science, 2016, 31, 1565-1572.	1.0	24

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73	Unraveling the therapeutic effects of mesenchymal stem cells in asthma. Stem Cell Research and Therapy, 2020, 11, 400.	2.4	24
74	A reversal of age-dependent proliferative capacity of endothelial progenitor cells from different species origin in in vitro condition. Journal of Cardiovascular and Thoracic Research, 2016, 8, 102-106.	0.3	24
75	Physiological impact of extracellular vesicles on female reproductive system; highlights to possible restorative effects on female ageâ€related fertility. BioFactors, 2019, 45, 293-303.	2.6	23
76	An Examination of the Putative Role of Melatonin in Exosome Biogenesis. Frontiers in Cell and Developmental Biology, 2021, 9, 686551.	1.8	23
77	Interaction of alginate with nano-hydroxyapatite-collagen using strontium provides suitable osteogenic platform. Journal of Nanobiotechnology, 2022, 20, .	4.2	23
78	Contributory Anti-Inflammatory Effects of Mesenchymal Stem Cells, Not Conditioned Media, On Ovalbumin-Induced Asthmatic Changes in Male Rats. Inflammation, 2016, 39, 1960-1971.	1.7	22
79	Functional convergence of Akt protein with VEGFR-1 in human endothelial progenitor cells exposed to sera from patient with type 2 diabetes mellitus. Microvascular Research, 2017, 114, 101-113.	1.1	22
80	Chrysin and Docetaxel Loaded Biodegradable Micelle for Combination Chemotherapy of Cancer Stem Cell. Pharmaceutical Research, 2019, 36, 165.	1.7	22
81	Treatment of human neuroblastoma cell line SHâ€\$Y5Y with HSP27 siRNA taggedâ€exosomes decreased differentiation rate into mature neurons. Journal of Cellular Physiology, 2019, 234, 21005-21013.	2.0	22
82	Asthmatic condition induced the activity of exosome secretory pathway in rat pulmonary tissues. Journal of Inflammation, 2021, 18, 14.	1.5	22
83	Effect of hydroxychloroquine on oxidative/nitrosative status and angiogenesis in endothelial cells under high glucose condition. BioImpacts, 2017, 7, 219-226.	0.7	22
84	The impact of different extracellular matrices on melatonin effect in proliferation and stemness properties of ovarian cancer cells. Biomedicine and Pharmacotherapy, 2017, 87, 288-295.	2.5	21
85	Prolonged incubation with Metformin decreased angiogenic potential in human bone marrow mesenchymal stem cells. Biomedicine and Pharmacotherapy, 2018, 108, 1328-1337.	2.5	21
86	Electrospun polyurethane/poly (É>-caprolactone) nanofibers promoted the attachment and growth of human endothelial cells in static and dynamic culture conditions. Microvascular Research, 2021, 133, 104073.	1.1	21
87	Bone marrow mesenchymal stem cells modified pathological changes and immunological responses in ovalbumin-induced asthmatic rats possibly by the modulation of miRNA155 and miRNA133. General Physiology and Biophysics, 2018, 37, 263-274.	0.4	21
88	Metformin Effect on Endocan Biogenesis in Human Endothelial Cells Under Diabetic Condition. Archives of Medical Research, 2019, 50, 304-314.	1.5	20
89	The effect of alginate-gelatin encapsulation on the maturation of human myelomonocytic cell line U937. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 25-35.	1.3	20
90	Collagen modulates functional activity of hepatic cells inside alginate-galactosylated chitosan hydrogel microcapsules. International Journal of Biological Macromolecules, 2020, 156, 1270-1278.	3.6	20

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91	Common chemotherapeutic agents modulate fatty acid distribution in human hepatocellular carcinoma and colorectal cancer cells. BioImpacts, 2017, 7, 31-39.	0.7	20
92	Angiogenic activity of endothelial progenitor cells through angiopoietin-1 and angiopoietin-2. Animal Cells and Systems, 2016, 20, 118-129.	0.8	19
93	Angiogenic potential of YKL-40 in the dynamics of tumor niche. Biomedicine and Pharmacotherapy, 2018, 100, 478-485.	2.5	19
94	Application of microneedle patches for drug delivery; doorstep to novel therapies. Journal of Tissue Engineering, 2022, 13, 204173142210853.	2.3	19
95	Intra-bladder wall transplantation of bone marrow mesenchymal stem cells improved urinary bladder dysfunction following spinal cord injury. Life Sciences, 2019, 221, 20-28.	2.0	18
96	Development and biocompatibility of the injectable collagen/nano-hydroxyapatite scaffolds as <i>in situ</i> forming hydrogel for the hard tissue engineering application. Artificial Cells, Nanomedicine and Biotechnology, 2021, 49, 136-146.	1.9	18
97	Effect of melatonin on exosomal dynamics in bovine cumulus cells. Process Biochemistry, 2021, 106, 78-87.	1.8	18
98	Modulation of lipolysis and glycolysis pathways in cancer stem cells changed multipotentiality and differentiation capacity toward endothelial lineage. Cell and Bioscience, 2019, 9, 30.	2.1	17
99	Real-state of autophagy signaling pathway in neurodegenerative disease; focus on multiple sclerosis. Journal of Inflammation, 2020, 17, 6.	1.5	17
100	Role of melatonin in the angiogenesis potential; highlights on the cardiovascular disease. Journal of Inflammation, 2021, 18, 4.	1.5	17
101	Crocetin promotes angiogenesis in human endothelial cells through PI3K-Akt-eNOS signaling pathway. EXCLI Journal, 2019, 18, 936-949.	0.5	17
102	Transplantation of bioengineered Reelinâ€loaded <scp>PLGA</scp> / <scp>PEG</scp> micelles can accelerate neural tissue regeneration in photothrombotic stroke model of mouse. Bioengineering and Translational Medicine, 2022, 7, e10264.	3.9	17
103	Unraveling the Effect of Breast Cancer Patients' Plasma on the Targeting Ability of Folic Acid-Modified Chitosan Nanoparticles. Molecular Pharmaceutics, 2021, 18, 4341-4353.	2.3	17
104	Electrochemical biosensors for stem cell analysis; applications in diagnostics, differentiation and follow-up. TrAC - Trends in Analytical Chemistry, 2022, 156, 116696.	5.8	17
105	Resveratrol potentially increased the tumoricidal effect of doxorubicin on SKOV3 cancer stem cells in vitro. Journal of Cellular Biochemistry, 2019, 120, 8430-8437.	1.2	16
106	Tissue Engineering Strategies to Increase Osteochondral Regeneration of Stem Cells; a Close Look at Different Modalities. Stem Cell Reviews and Reports, 2021, 17, 1294-1311.	1.7	16
107	Menstrual blood <scp>CD146</scp> ⁺ mesenchymal stem cells reduced fibrosis rate in the rat model of premature ovarian failure. Cell Biochemistry and Function, 2021, 39, 998-1008.	1.4	16
108	Chronic Exposure of Human Endothelial Progenitor Cells to Diabetic Condition Abolished the Regulated Kinetics Activity of Exosomes. Iranian Journal of Pharmaceutical Research, 2018, 17, 1068-1080.	0.3	16

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109	Transplantation of Bone Marrow–Derived Mesenchymal Stem Cells, Platelet-Rich Plasma, and Fibrin Glue for Periodontal Regeneration. International Journal of Periodontics and Restorative Dentistry, 2019, 39, e32-e45.	0.4	15
110	Toll-like receptor bioactivity in endothelial progenitor cells. Cell and Tissue Research, 2020, 379, 223-230.	1.5	15
111	Current knowledge and challenges associated with targeted delivery of neurotrophic factors into the central nervous system: focus on available approaches. Cell and Bioscience, 2021, 11, 181.	2.1	15
112	Inhibition of extracellular vesicle biogenesis in tumor cells: A possible way to reduce tumorigenesis. Cell Biochemistry and Function, 2022, 40, 248-262.	1.4	15
113	In vitro exosomal transfer of Nrf2 led to the oxaliplatin resistance in human colorectal cancer LS174T cells. Cell Biochemistry and Function, 2022, 40, 391-402.	1.4	15
114	Protective effects of melatonin on long-term administration of fluoxetine in rats. Experimental and Toxicologic Pathology, 2017, 69, 564-574.	2.1	14
115	Encapsulation of rat cardiomyoblasts with alginate-gelatin microspheres preserves stemness feature in vitro. Biomedicine and Pharmacotherapy, 2019, 109, 402-407.	2.5	14
116	Thymoquinone inhibited vasculogenic capacity and promoted mesenchymal-epithelial transition of human breast cancer stem cells. BMC Complementary Medicine and Therapies, 2021, 21, 83.	1.2	14
117	In vivo evaluation of biocompatibility and immune modulation potential of poly(caprolactone)–poly(ethylene glycol)–poly(caprolactone)-gelatin hydrogels enriched with nano-hydroxyapatite in the model of mouse. Journal of Biomaterials Applications, 2021, 35, 1253-1263.	1.2	14
118	Curcumin inhibits angiogenesis in endothelial cells using downregulation of the PI3K/Akt signaling pathway. Food Bioscience, 2019, 29, 86-93.	2.0	13
119	Curcumin-enriched Gemini surfactant nanoparticles exhibited tumoricidal effects on human 3D spheroid HT-29 cells in vitro. Cancer Nanotechnology, 2021, 12, .	1.9	13
120	Effect of dexamethasone, insulin and EGF on the myogenic potential on human endometrial stem cell. Iranian Journal of Pharmaceutical Research, 2014, 13, 659-64.	0.3	13
121	Photo-modulation of zinc phthalocyanine-treated breast cancer cell line ZR-75-1 inhibited the normal tumor activity in vitro. Lasers in Medical Science, 2018, 33, 1969-1978.	1.0	12
122	In vitro induction of odontogenic activity of human dental pulp stem cells by white Portland cement enriched with zirconium oxide and zinc oxide components. Journal of Dental Research, Dental Clinics, Dental Prospects, 2019, 13, 3-10.	0.4	12
123	Estradiol modulated colorectal cancer stem cells bioactivity and interaction with endothelial cells. Life Sciences, 2020, 257, 118078.	2.0	12
124	A glimpse into molecular mechanisms of embryonic stem cells pluripotency: Current status and future perspective. Journal of Cellular Physiology, 2020, 235, 6377-6392.	2.0	12
125	Paracrine Neuroprotective Effects of Neural Stem Cells on Glutamate-Induced Cortical Neuronal Cell Excitotoxicity. Advanced Pharmaceutical Bulletin, 2015, 5, 515-521.	0.6	12
126	Toxic effects of VCD on kidneys and liver tissues: a histopathological and biochemical study. BMC Research Notes, 2019, 12, 446.	0.6	11

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127	Advanced platelet-rich fibrin plus gold nanoparticles enhanced the osteogenic capacity of human mesenchymal stem cells. BMC Research Notes, 2019, 12, 721.	0.6	11
128	Mitochondrial donation in translational medicine; from imagination to reality. Journal of Translational Medicine, 2020, 18, 367.	1.8	11
129	Modulation of LXR signaling altered the dynamic activity of human colon adenocarcinoma cancer stem cells in vitro. Cancer Cell International, 2021, 21, 100.	1.8	11
130	Phenolated alginate-collagen hydrogel induced chondrogenic capacity of human amniotic mesenchymal stem cells. Journal of Biomaterials Applications, 2021, 36, 789-802.	1.2	11
131	Does the Global Outbreak of COVID-19 or Other Viral Diseases Threaten the Stem Cell Reservoir Inside the Body?. Stem Cell Reviews and Reports, 2021, 17, 214-230.	1.7	11
132	A small molecule modulating monounsaturated fatty acids and Wnt signaling confers maintenance to induced pluripotent stem cells against endodermal differentiation. Stem Cell Research and Therapy, 2021, 12, 550.	2.4	11
133	Morphine Inhibited the Rat Neural Stem Cell Proliferation Rate by Increasing Neuro Steroid Genesis. Neurochemical Research, 2016, 41, 1410-1419.	1.6	10
134	Stem Cells as a Promising Tool for the Restoration of Brain Neurovascular Unit and Angiogenic Orientation. Molecular Neurobiology, 2017, 54, 7689-7705.	1.9	10
135	Evaluation of the association between exosomal levels and female reproductive system and fertility outcome during aging: a systematic review protocol. Systematic Reviews, 2019, 8, 293.	2.5	10
136	Novel hybrid polyester-polyacrylate hydrogels enriched with platelet-derived growth factor for chondrogenic differentiation of adipose-derived mesenchymal stem cells in vitro. Journal of Biological Engineering, 2021, 15, 6.	2.0	10
137	Alginate-chitosan core-shell microcapsule cultures of hepatic cells in a small scale stirred bioreactor: impact of shear forces and microcapsule core composition. Journal of Biological Engineering, 2021, 15, 14.	2.0	10
138	Application of neurotrophic factor-secreting cells (astrocyte - Like cells) in the in-vitro Alzheimer's disease-like pathology on the human neuroblastoma cells. Brain Research Bulletin, 2021, 172, 180-189.	1.4	10
139	Superior Synaptogenic Effect of Electrospun PLGA-PEG Nanofibers Versus PLGA Nanofibers on Human Neural SH-SY5Y Cells in a Three-Dimensional Culture System. Journal of Molecular Neuroscience, 2020, 70, 1967-1976.	1.1	10
140	Effectiveness of Stem Cell Therapy in the Treatment of Ovarian Disorders and Female Infertility: A Systematic Review. Current Stem Cell Research and Therapy, 2020, 15, 173-186.	0.6	10
141	Interplay between exosomes and autophagy machinery in pain management: State of the art. Neurobiology of Pain (Cambridge, Mass), 2022, 12, 100095.	1.0	10
142	Impact of morphine on the expression of insulin receptor and protein levels of insulin/IGFs in rat neural stem cells. Neuroscience Letters, 2017, 660, 147-154.	1.0	9
143	Docosahexaenoic acid reversed atherosclerotic changes in human endothelial cells induced by palmitic acid in vitro. Cell Biochemistry and Function, 2018, 36, 203-211.	1.4	9
144	The Dynamics of Neurosteroids and Sex-Related Hormones in the Pathogenesis of Alzheimer's Disease. NeuroMolecular Medicine, 2018, 20, 215-224.	1.8	9

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145	Influence of gelatin and collagen incorporation on peroxidase-mediated injectable pectin-based hydrogel and bioactivity of fibroblasts. Journal of Biomaterials Applications, 2021, 36, 179-190.	1.2	9
146	Cytoprotective and cytofunctional effect of polyanionic polysaccharide alginate and gelatin microspheres on rat cardiac cells. International Journal of Biological Macromolecules, 2020, 161, 969-976.	3.6	9
147	Stem Cell Therapy for Neurogenic Bladder Dysfunction in Rodent Models: A Systematic Review. International Neurourology Journal, 2020, 24, 241-257.	0.5	9
148	Emerging role of exosomes in the pathology of chronic obstructive pulmonary diseases; destructive and therapeutic properties. Stem Cell Research and Therapy, 2022, 13, 144.	2.4	9
149	The Angiogenic Paracrine Potential of Mesenchymal Stem Cells. , 0, , .		8
150	Polycaprolactone fumarate acts as an artificial neural network to promote the biological behavior of neural stem cells. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 246-256.	1.6	8
151	Melatonin and prolonged physical activity attenuated the detrimental effects of diabetic condition on murine cardiac tissue. Tissue and Cell, 2021, 69, 101486.	1.0	8
152	Copper sulfate pentahydrate reduced epithelial cytotoxicity induced by lipopolysaccharide from enterogenic bacteria. Biomedicine and Pharmacotherapy, 2017, 89, 454-461.	2.5	7
153	Cupressus sempervirens extract inhibited human basal cell carcinoma tumorigenesis, local invasion, and angiogenic property. Comparative Clinical Pathology, 2017, 26, 203-211.	0.3	7
154	Docosahexaenoic acid attenuates the detrimental effect of palmitic acid on human endothelial cells by modulating genes from the atherosclerosis signaling pathway. Journal of Cellular Biochemistry, 2018, 119, 9752-9763.	1.2	7
155	CTRP9: An emerging potential anti-aging molecule in brain. Cellular Signalling, 2020, 73, 109694.	1.7	7
156	Hyaluronic Acid and Regenerative Medicine: New Insights into the Stroke Therapy. Current Molecular Medicine, 2021, 20, 675-691.	0.6	7
157	Fabrication of alginate-based hydrogel cross-linked via horseradish peroxidase for articular cartilage engineering. BMC Research Notes, 2021, 14, 384.	0.6	7
158	Varenicline improves cognitive impairment in a mouse model of mPFC ischemia: The possible roles of inflammation, apoptosis, and synaptic factors. Brain Research Bulletin, 2022, 181, 36-45.	1.4	7
159	Systemic administration of c-Kit+ cells diminished pulmonary and vascular inflammation in rat model of chronic asthma. BMC Molecular and Cell Biology, 2022, 23, 11.	1.0	7
160	Application of exosomes for the alleviation of COVIDâ€19â€related pathologies. Cell Biochemistry and Function, 2022, 40, 430-438.	1.4	7
161	Haemoglobin typing and its variations in Iranian domestic dogs. Comparative Clinical Pathology, 2012, 21, 1515-1519.	0.3	6
162	Isolation and characterization of a canine mammary cell line prepared for proteomics analysis. Tissue and Cell, 2013, 45, 183-190.	1.0	6

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163	Heat shock protein 70 modulates neural progenitor cells dynamics in human neuroblastoma SH‧Y5Y cells exposed to high glucose content. Journal of Cellular Biochemistry, 2018, 119, 6482-6491.	1.2	6
164	Distinct Tie2 tyrosine phosphorylation sites dictate phenotypic switching in endothelial progenitor cells. Journal of Cellular Physiology, 2019, 234, 6209-6219.	2.0	6
165	<i>Salvia officinalis</i> hydroalcoholic extract improved reproduction capacity and behavioral activity in rats exposed to immobilization stress. Animal Science Journal, 2020, 91, e13382.	0.6	6
166	Interaction of opioid with insulin/IGFs signaling in Alzheimer's disease. Journal of Molecular Neuroscience, 2020, 70, 819-834.	1.1	6
167	Culture of rabbit bone marrow mesenchymal stem cells on polyurethane/pyrrole surface promoted differentiation into endothelial lineage. Artificial Organs, 2021, 45, E324-E334.	1.0	6
168	Static and dynamic culture of human endothelial cells encapsulated inside alginate-gelatin microspheres. Microvascular Research, 2021, 137, 104174.	1.1	6
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