Maryam M Matin

List of Publications by Year
in descending order

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42 papers	1,457 citations	394421 19 h-index	330143 37 g-index
42 all docs	42 docs citations	42 times ranked	2480 citing authors

#	Article	IF	Citations
1	Specific Knockdown of Oct4 and Î²2â€microglobulin Expression by RNA Interference in Human Embryonic Stem Cells and Embryonic Carcinoma Cells. Stem Cells, 2004, 22, 659-668.	3.2	256
2	Review paper: Critical Issues in Tissue Engineering: Biomaterials, Cell Sources, Angiogenesis, and Drug Delivery Systems. Journal of Biomaterials Applications, 2011, 26, 383-417.	2.4	234
3	Cancer stem cells and cancer therapy. Tumor Biology, 2011, 32, 425-440.	1.8	124
4	Chitosanâ€based injectable hydrogel as a promising in situ forming scaffold for cartilage tissue engineering. Cell Biology International, 2014, 38, 72-84.	3.0	113
5	Comparative Analysis of Chemokine Receptor's Expression in Mesenchymal Stem Cells Derived from Human Bone Marrow and Adipose Tissue. Journal of Molecular Neuroscience, 2011, 44, 178-185.	2.3	79
6	Injectable hydrogel delivery plus preconditioning of mesenchymal stem cells: exploitation of SDFâ€1/CXCR4 axis toward enhancing the efficacy of stem cells' homing. Cell Biology International, 2016, 40, 730-741.	3.0	53
7	Cancer stem cells in human digestive tract malignancies. Tumor Biology, 2016, 37, 7-21.	1.8	51
8	Differentiation of mesenchymal stem cells to insulin-producing cells and their impact on type 1 diabetic rats. Journal of Physiology and Biochemistry, 2010, 66, 181-187.	3.0	44
9	Human adiposeâ€derived mesenchymal stem cells can survive and integrate into the adult rat eye following xenotransplantation. Xenotransplantation, 2013, 20, 165-176.	2.8	36
10	In vitro differentiation of adipose-tissue-derived mesenchymal stem cells into neural retinal cells through expression of human PAX6 (5a) gene. Cell and Tissue Research, 2014, 356, 65-75.	2.9	33
11	Transdifferentiation: a cell and molecular reprogramming process. Cell and Tissue Research, 2012, 348, 379-396.	2.9	31
12	Systemic transplantation of mesenchymal stem cells can reduce cognitive and motor deficits in rats with unilateral lesions of the neostriatum. Neurological Research, 2010, 32, 166-172.	1.3	29
13	Supportive properties of basement membrane layer of human amniotic membrane enable development of tissue engineering applications. Cell and Tissue Banking, 2018, 19, 357-371.	1.1	26
14	Application of mesenchymal stem cells to enhance nonâ€union bone fracture healing. Journal of Biomedical Materials Research - Part A, 2019, 107, 301-311.	4.0	26
15	Potential of mesenchymal stem cells for bioengineered blood vessels in comparison with other eligible cell sources. Cell and Tissue Research, 2020, 380, 1-13.	2.9	25
16	Auraptene Attenuates Malignant Properties of Esophageal Stem-Like Cancer Cells. Technology in Cancer Research and Treatment, 2017, 16, 519-527.	1.9	24
17	A comparison study of different decellularization treatments on bovine articular cartilage. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 1861-1871.	2.7	24
18	Scaffolds derived from cancellous bovine bone support mesenchymal stem cells' maintenance and growth. In Vitro Cellular and Developmental Biology - Animal, 2013, 49, 440-448.	1.5	23

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19	Cytotoxicity of Vincristine on the 5637 Cell Line Is Enhanced by Combination with Conferone. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2009, 64, 317-322.	1.4	20
20	Trial evaluation of bone marrow derived mesenchymal stem cells (MSCs) transplantation in revival of spermatogenesis in testicular torsion. Middle East Fertility Society Journal, 2012, 17, 243-249.	1.5	18
21	Evidence for crossing the blood barrier of adult rat brain by human adipose-derived mesenchymal stromal cells during a 6-month period of post-transplantation. Cytotherapy, 2013, 15, 951-960.	0.7	18
22	Evaluating stem and cancerous biomarkers in CD15+CD44+ KYSE30 cells. Tumor Biology, 2013, 34, 2909-2920.	1.8	18
23	CNT-decellularized cartilage hybrids for tissue engineering applications. Biomedical Materials (Bristol), 2017, 12, 065008.	3.3	17
24	Use of cerium oxide nanoparticles: a good candidate to improve skin tissue engineering. Biomedical Materials (Bristol), 2019, 14, 035008.	3.3	16
25	The enhancement of vincristine cytotoxicity by combination with feselol. Journal of Asian Natural Products Research, 2010, 12, 569-575.	1.4	14
26	Evaluating the biodegradability of Gelatin/Siloxane/Hydroxyapatite (GS-Hyd) complex in vivo and its ability for adhesion and proliferation of rat bone marrow mesenchymal stem cells. Cytotechnology, 2012, 64, 485-495.	1.6	12
27	Decellularization with triton X-100 provides a suitable model for human kidney bioengineering using human mesenchymal stem cells. Life Sciences, 2022, 295, 120167.	4.3	12
28	Using paracrine effects of Ad-MSCs on keratinocyte cultivation and fabrication of epidermal sheets for improving clinical applications. Cell and Tissue Banking, 2018, 19, 531-547.	1.1	10
29	New windows to enhance direct reprogramming of somatic cells towards induced pluripotent stem cells. Biochemistry and Cell Biology, 2012, 90, 115-123.	2.0	8
30	Induced Pluripotent Stem Cells: Progress and Future Perspectives in the Stem Cell World. Cellular Reprogramming, 2012, 14, 459-470.	0.9	8
31	Augmented migration of mesenchymal stem cells correlates with the subsidiary CXCR4 variant. Cell Adhesion and Migration, 2018, 12, 1-9.	2.7	7
32	Decellularized bovine aorta as a promising 3D elastin scaffold for vascular tissue engineering applications. Regenerative Medicine, 2021, 16, 1037-1050.	1.7	7
33	Expression analysis of BORIS during pluripotent, differentiated, cancerous, and non-cancerous cell states. Acta Biochimica Et Biophysica Sinica, 2014, 46, 647-658.	2.0	6
34	SOX2 Expression in Gastrointestinal Cancers of Iranian Patients. International Journal of Biological Markers, 2015, 30, 315-320.	1.8	6
35	Comparison the effects of hypoxia-mimicking agents on migration-related signaling pathways in mesenchymal stem cells. Cell and Tissue Banking, 2020, 21, 643-653.	1.1	6
36	Gene silencing in human embryonic stem cells by RNA interference. Biochemical and Biophysical Research Communications, 2009, 390, 1106-1110.	2.1	5

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37	Effects of chitosan-glycerol phosphate hydrogel on the maintenance and homing of hAd-MSCs after xenotransplantation into the rat liver. Emergent Materials, 2022, 5, 519-528.	5.7	5
38	Blastema cells derived from New Zealand white rabbitâ€™s pinna carry stemness properties as shown by differentiation into insulin producing, neural, and osteogenic lineages representing three embryonic germ layers. Cytotechnology, 2016, 68, 497-507.	1.6	4
39	Mesenchymal Stem/Stromal Cells Overexpressing CXCR4^{R334X}Revealed Enhanced Migration: A Lesson Learned from the Pathogenesis of WHIM Syndrome. Cell Transplantation, 2021, 30, 096368972110544.	2.5	4
40	MTA Enhances the Potential of Adipose-Derived Mesenchymal Stem Cells for Dentinâ€“Pulp Complex Regeneration. Materials, 2020, 13, 5712.	2.9	3
41	Cytotoxicity and biocompatibility evaluation of chitosan-beta glycerol phosphate-hydroxyethyl cellulose hydrogel on adult rat liver for cell-based therapeutic applications. International Journal of Biomedical Engineering and Technology, 2013, 12, 228.	0.2	2
42	Dedifferentiation Effects of Rabbit Regenerating Tissue on Partially Differentiated Cells. Cellular Reprogramming, 2016, 18, 333-343.	0.9	0