

Shahnaz Razavi

List of Publications by Year in descending order

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80
papers

2,935
citations

136740

32
h-index

182168

51
g-index

82
all docs

82
docs citations

82
times ranked

3866
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple Sclerosis: Pathogenesis, Symptoms, Diagnoses and Cell-Based Therapy. Cell Journal, 2017, 19, 1-10.	0.2	213
2	Effect of sperm DNA damage and sperm protamine deficiency on fertilization and embryo development post-ICSI. Reproductive BioMedicine Online, 2005, 11, 198-205.	1.1	125
3	Evaluation of sperm selection procedure based on hyaluronic acid binding ability on ICSI outcome. Journal of Assisted Reproduction and Genetics, 2008, 25, 197-203.	1.2	120
4	Influence of sperm chromatin anomalies on assisted reproductive technology outcome. Fertility and Sterility, 2009, 91, 1119-1126.	0.5	113
5	Artificial neural network for modeling the elastic modulus of electrospun polycaprolactone/gelatin scaffolds. Acta Biomaterialia, 2014, 10, 709-721.	4.1	105
6	Effects of Some Parameters on Particle Size Distribution of Chitosan Nanoparticles Prepared by Ionic Gelation Method. Journal of Cluster Science, 2013, 24, 891-903.	1.7	102
7	Relation between different human sperm nuclear maturity tests and in vitro fertilization. Journal of Assisted Reproduction and Genetics, 2001, 18, 221-227.	1.2	99
8	Electrospun poly(hydroxybutyrate)/chitosan blend fibrous scaffolds for cartilage tissue engineering. Journal of Applied Polymer Science, 2016, 133, .	1.3	98
9	The effect of diabetes mellitus on apoptosis in hippocampus: Cellular and molecular aspects. International Journal of Preventive Medicine, 2016, 7, 57.	0.2	89
10	Selection of sperm based on combined density gradient and Zeta method may improve ICSI outcome. Human Reproduction, 2009, 24, 2409-2416.	0.4	87
11	Effect of protamine-2 deficiency on ICSI outcome. Reproductive BioMedicine Online, 2004, 9, 652-658.	1.1	86
12	Artificial oocyte activation in severe teratozoospermia undergoing intracytoplasmic sperm injection. Fertility and Sterility, 2008, 90, 2231-2237.	0.5	86
13	Electrospun tecophilic/gelatin nanofibers with potential for small diameter blood vessel tissue engineering. Biopolymers, 2014, 101, 1165-1180.	1.2	78
14	Effect of human sperm chromatin anomalies on fertilization outcome post-ICSI. Andrologia, 2003, 35, 238-243.	1.0	77
15	Relationship between protamine deficiency with fertilization rate and incidence of sperm premature chromosomal condensation post-ICSI. Andrologia, 2004, 36, 95-100.	1.0	72
16	Evaluation of zeta and HA-binding methods for selection of spermatozoa with normal morphology, protamine content and DNA integrity. Andrologia, 2010, 42, 13-19.	1.0	67
17	Neurotrophic factors and their effects in the treatment of multiple sclerosis. Advanced Biomedical Research, 2015, 4, 53.	0.2	63
18	Stability of neural differentiation in human adipose derived stem cells by two induction protocols. Tissue and Cell, 2012, 44, 87-94.	1.0	60

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19	An Overview of Neural Differentiation Potential of Human Adipose Derived Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2016, 12, 26-41.	5.6	53
20	Effects of failed oocyte activation and sperm protamine deficiency on fertilization post-ICSI. <i>Reproductive BioMedicine Online</i> , 2007, 14, 422-429.	1.1	48
21	Failed fertilization after ICSI and spermiogenic defects. <i>Fertility and Sterility</i> , 2008, 89, 892-898.	0.5	46
22	Varicocelelectomy: semen parameters and protamine deficiency. <i>Journal of Developmental and Physical Disabilities</i> , 2009, 32, 115-122.	3.6	46
23	Does the tissue engineering architecture of poly(3-hydroxybutyrate) scaffold affects cell-material interactions?. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 1907-1918.	2.1	45
24	Phenotypic Modulation of Smooth Muscle Cells by Chemical and Mechanical Cues of Electrospun Tecophilic/Gelatin Nanofibers. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4089-4101.	4.0	43
25	Differentiation of Human Embryonic Stem Cell-Derived Retinal Progenitors into Retinal Cells by Sonic Hedgehog and/or Retinal Pigmented Epithelium and Transplantation into the Subretinal Space of Sodium Iodate-Injected Rabbits. <i>Stem Cells and Development</i> , 2012, 21, 42-53.	1.1	42
26	Transplantation of Human Adipose-Derived Stem Cells Enhances Remyelination in Lysolecithin-Induced Focal Demyelination of Rat Spinal Cord. <i>Molecular Biotechnology</i> , 2014, 56, 470-478.	1.3	40
27	The advances in nerve tissue engineering: From fabrication of nerve conduit to <i>in vivo</i> nerve regeneration assays. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 2077-2100.	1.3	40
28	Biodelivery of nerve growth factor and gold nanoparticles encapsulated in chitosan nanoparticles for schwann-like cells differentiation of human adipose-derived stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 681-687.	1.0	40
29	Comparing brain-derived neurotrophic factor and ciliary neurotrophic factor secretion of induced neurotrophic factor secreting cells from human adipose and bone marrow-derived stem cells. <i>Development Growth and Differentiation</i> , 2013, 55, 648-655.	0.6	39
30	Regeneration of Rat Sciatic Nerve Using PLGA Conduit Containing Rat ADSCs with Controlled Release of BDNF and Gold Nanoparticles. <i>Journal of Molecular Neuroscience</i> , 2021, 71, 746-760.	1.1	36
31	Poly(hydroxybutyrate)/chitosan Aligned Electrospun Scaffold as a Novel Substrate for Nerve Tissue Engineering. <i>Advanced Biomedical Research</i> , 2018, 7, 44.	0.2	36
32	Effect of Leukemia Inhibitory Factor on the Myelinogenic Ability of Schwann-Like Cells Induced from Human Adipose-Derived Stem Cells. <i>Cellular and Molecular Neurobiology</i> , 2013, 33, 283-289.	1.7	34
33	Co-culture with neurotrophic factor secreting cells induced from adipose-derived stem cells: Promotes neurogenic differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2013, 440, 381-387.	1.0	32
34	Nanobiocomposite of poly(lactide-co-glycolide)/chitosan electrospun scaffold can promote proliferation and transdifferentiation of schwann-like cells from human adipose-derived stem cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 2628-2634.	2.1	27
35	Evaluation of structural and mechanical properties of electrospun nano-micro hybrid of poly hydroxybutyrate-chitosan/silk scaffold for cartilage tissue engineering. <i>Advanced Biomedical Research</i> , 2016, 5, 180.	0.2	27
36	The beneficial effect of encapsulated human adipose-derived stem cells in alginate hydrogel on neural differentiation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014, 102, 749-755.	1.6	25

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37	Extremely low-frequency electromagnetic field influences the survival and proliferation effect of human adipose derived stem cells. <i>Advanced Biomedical Research</i> , 2014, 3, 25.	0.2	24
38	Overview of retinal differentiation potential of mesenchymal stem cells: A promising approach for retinal cell therapy. <i>Annals of Anatomy</i> , 2017, 210, 52-63.	1.0	23
39	Controlled Delivery of Brain Derived Neurotrophic Factor and Gold-Nanoparticles from Chitosan/TPP Nanoparticles for Tissue Engineering Applications. <i>Journal of Cluster Science</i> , 2020, 31, 99-108.	1.7	23
40	Sperm DNA damage and its relation with leukocyte DNA damage. <i>Reproductive Toxicology</i> , 2010, 29, 120-124.	1.3	21
41	Can sperm protamine deficiency induce sperm premature chromosomal condensation?. <i>Andrologia</i> , 2006, 38, 92-98.	1.0	20
42	Effects of human placental serum on proliferation and morphology of human adipose tissue-derived stem cells. <i>Bone Marrow Transplantation</i> , 2011, 46, 1464-1471.	1.3	20
43	Protective effects of zinc on rat sperm chromatin integrity involvement: DNA methylation, DNA fragmentation, ubiquitination and protamination after bleomycin etoposide and cis-platin treatment. <i>Theriogenology</i> , 2020, 142, 177-183.	0.9	19
44	The effect of fluoxetine on bone regeneration in rat calvarial bone defects. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2009, 108, 22-27.	1.6	17
45	Cell Attachment and Proliferation of Human Adipose-Derived Stem Cells on PLGA/Chitosan Electrospun Nano-Biocomposite. <i>Cell Journal</i> , 2015, 17, 429-37.	0.2	17
46	Differentiation of Human Scalp Adipose-Derived Mesenchymal Stem Cells into Mature Neural Cells on Electrospun Nanofibrous Scaffolds for Nerve Tissue Engineering Applications. <i>Cell Journal</i> , 2018, 20, 168-176.	0.2	17
47	Characterization of PLGA/Chitosan Electrospun Nano-Biocomposite Fabricated by Two Different Methods. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2015, 64, 64-75.	1.8	15
48	Hanging drop culture enhances differentiation of human adipose-derived stem cells into anterior neuroectodermal cells using small molecules. <i>International Journal of Developmental Neuroscience</i> , 2017, 59, 21-30.	0.7	15
49	Co-Transplantation of Human Neurotrophic Factor Secreting Cells and Adipose-Derived Stem Cells in Rat Model of Multiple Sclerosis. <i>Cell Journal</i> , 2018, 20, 46-52.	0.2	13
50	Effect of saffron on rat sperm chromatin integrity. <i>Iranian Journal of Reproductive Medicine</i> , 2014, 12, 343-50.	0.8	13
51	Neural Induction in Mouse Embryonic Stem Cells by Co-Culturing With Chicken Somites. <i>Stem Cells and Development</i> , 2009, 18, 1351-1360.	1.1	12
52	The effects of maternal diabetes and insulin treatment on neurogenesis in the developing hippocampus of male rats. <i>Journal of Chemical Neuroanatomy</i> , 2018, 91, 27-34.	1.0	12
53	Generation of Motor Neurons by Coculture of Retinoic Acid-Pretreated Embryonic Stem Cells with Chicken Notochords. <i>Stem Cells and Development</i> , 2009, 18, 259-268.	1.1	11
54	Differential effects of rat ADSCs encapsulation in fibrin matrix and combination delivery of BDNF and Gold nanoparticles on peripheral nerve regeneration. <i>BMC Neuroscience</i> , 2021, 22, 50.	0.8	11

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55	Neuronal induction and regional identity by co-culture of adherent human embryonic stem cells with chicken notochords and somites. <i>International Journal of Developmental Biology</i> , 2011, 55, 321-326.	0.3	11
56	Remyelination improvement after neurotrophic factors secreting cells transplantation in rat spinal cord injury. <i>Iranian Journal of Basic Medical Sciences</i> , 2017, 20, 392-398.	1.0	11
57	Comparative Study of Microtubule-associated Protein-2 and Glial Fibrillary Acidic Proteins during Neural Induction of Human Bone Marrow Mesenchymal Stem Cells and Adipose-Derived Stem Cells. <i>International Journal of Preventive Medicine</i> , 2014, 5, 584-95.	0.2	11
58	Estrogen treatment enhances neurogenic differentiation of human adipose derived stem cells in vitro. <i>Iranian Journal of Basic Medical Sciences</i> , 2015, 18, 799-804.	1.0	11
59	Evaluation of the leptin receptor in human spermatozoa. <i>Reproductive Biology and Endocrinology</i> , 2010, 8, 17.	1.4	10
60	Differentiation of human ES cell-derived neural progenitors to neuronal cells with regional specific identity by co-culturing of notochord and somite. <i>Stem Cell Research</i> , 2012, 8, 120-133.	0.3	10
61	Effect of Laminin on Neurotrophic Factors Expression in Schwann-Like Cells Induced from Human Adipose-Derived Stem Cells In Vitro. <i>Journal of Molecular Neuroscience</i> , 2016, 60, 465-473.	1.1	10
62	Optimizing a novel method for low intensity ultrasound in chondrogenesis induction. <i>Advanced Biomedical Research</i> , 2013, 2, 79.	0.2	9
63	Impact of saffron on rat sperm membrane integrity and spermatogenesis status. <i>Advanced Biomedical Research</i> , 2014, 3, 146.	0.2	9
64	Comparing Three Methods of Co-culture of Retinal Pigment Epithelium with Progenitor Cells Derived Human Embryonic Stem Cells. <i>International Journal of Preventive Medicine</i> , 2013, 4, 1243-50.	0.2	9
65	Beneficial effects of biodelivery of brain-derived neurotrophic factor and gold nanoparticles from functionalized electrospun PLGA scaffold for nerve tissue engineering. <i>Journal of Cluster Science</i> , 2021, 32, 631-642.	1.7	8
66	Time-Dependent Effect of Encapsulating Alginate Hydrogel on Neurogenic Potential. <i>Cell Journal</i> , 2015, 17, 304-11.	0.2	8
67	Effects of <i>Cyperus rotundus</i> extract on spatial memory impairment and neuronal differentiation in rat model of Alzheimer's disease. <i>Advanced Biomedical Research</i> , 2020, 9, 17.	0.2	8
68	Effect of T ₃ hormone on neural differentiation of human adipose derived stem cells. <i>Cell Biochemistry and Function</i> , 2014, 32, 702-710.	1.4	7
69	Knowledge and Attitude of Donor Cardholders Toward Organ and Tissue Donation and Transplantation in an Iranian Tissue Bank: A Case-Control Study. <i>Transplantation Proceedings</i> , 2009, 41, 2715-2717.	0.3	6
70	The Protective Effects of Omega3 on Ubiquitination and Protamination of Rat Sperm after Bleomycin, Etoposide, and Cisplatin Treatment. <i>Nutrition and Cancer</i> , 2018, 70, 1308-1314.	0.9	6
71	Application of Hanging Drop Culture for Retinal Precursor-Like Cells Differentiation of Human Adipose-Derived Stem Cells Using Small Molecules. <i>Journal of Molecular Neuroscience</i> , 2019, 69, 597-607.	1.1	6
72	Therapeutic effects of <i>Cyperus rotundus</i> rhizome extract on memory impairment, neurogenesis and mitochondria in beta-amyloid rat model of Alzheimer's disease. <i>Metabolic Brain Disease</i> , 2020, 35, 451-461.	1.4	6

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73	Improvement of Remyelination in Demyelinated Corpus Callosum Using Human Adipose-Derived Stem Cells (hADSCs) and Pregnenolone in the Cuprizone Rat Model of Multiple Sclerosis. <i>Journal of Molecular Neuroscience</i> , 2020, 70, 1088-1099.	1.1	6
74	Improvement of Rat Sperm Chromatin Integrity and Spermatogenesis with Omega 3 following Bleomycin, Etoposide and Cisplatin Treatment. <i>Nutrition and Cancer</i> , 2021, 73, 514-522.	0.9	6
75	Effect of sertraline on proliferation and neurogenic differentiation of human adipose-derived stem cells. <i>Advanced Biomedical Research</i> , 2014, 3, 97.	0.2	6
76	Paroxetine Can Enhance Neurogenesis during Neurogenic Differentiation of Human Adipose-derived Stem Cells. <i>Avicenna Journal of Medical Biotechnology</i> , 2016, 8, 152-158.	0.2	6
77	Effect of Zinc on Spermatogenesis and Sperm Chromatin Condensation in Bleomycin, Etoposide, Cisplatin Treated Rats. <i>Cell Journal</i> , 2019, 20, 521-526.	0.2	6
78	A proper protocol for isolation of retinal pigment epithelium from rabbit eyes. <i>Advanced Biomedical Research</i> , 2014, 3, 4.	0.2	3
79	Effect of maternal diabetes on gliogenesis in neonatal rat hippocampus. <i>Advanced Biomedical Research</i> , 2016, 5, 142.	0.2	1
80	Changes of neural markers expression during late neurogenic differentiation of human adipose-derived stem cells. <i>Advanced Biomedical Research</i> , 2015, 4, 209.	0.2	0