Nasser Aghdami

List of Publications by Year
in descending order

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107 papers	3,461 citations	126858 33 h-index	175177 52 g-index
118 all docs	118 docs citations	118 times ranked	5858 citing authors

#	Article	IF	Citations
1	Electrically conductive gold nanoparticle-chitosan thermosensitive hydrogels for cardiac tissue engineering. Materials Science and Engineering C, 2016, 63, 131-141.	3.8	253
2	Mesenchymal stem cells derived from perinatal tissues for treatment of critically ill COVID-19-induced ARDS patients: a case series. Stem Cell Research and Therapy, 2021, 12, 91.	2.4	141
3	Stem cells and injectable hydrogels: Synergistic therapeutics in myocardial repair. Biotechnology Advances, 2016, 34, 362-379.	6.0	106
4	Intra-articular implantation of autologous bone marrowâ€“derived mesenchymal stromal cells to treat knee osteoarthritis: a randomized, triple-blind, placebo-controlled phase 1/2 clinical trial. Cytotherapy, 2018, 20, 1238-1246.	0.3	106
5	A Universal and Robust Integrated Platform for the Scalable Production of Human Cardiomyocytes From Pluripotent Stem Cells. Stem Cells Translational Medicine, 2015, 4, 1482-1494.	1.6	104
6	The effect of pro-inflammatory cytokines on immunophenotype, differentiation capacity and immunomodulatory functions of human mesenchymal stem cells. Cytokine, 2016, 85, 51-60.	1.4	101
7	Long-Term Follow-up of Intra-articular Injection of Autologous Mesenchymal Stem Cells in Patients with Knee, Ankle, or Hip Osteoarthritis. Archives of Iranian Medicine, 2015, 18, 336-44.	0.2	98
8	The behavior of cardiac progenitor cells on macroporous pericardium-derived scaffolds. Biomaterials, 2014, 35, 970-982.	5.7	97
9	Feeder- and serum-free establishment and expansion of human induced pluripotent stem cells. International Journal of Developmental Biology, 2010, 54, 877-886.	0.3	93
10	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.	2.0	90
11	Copper nanoparticles promote rapid wound healing in acute full thickness defect via acceleration of skin cell migration, proliferation, and neovascularization. Biochemical and Biophysical Research Communications, 2019, 517, 684-690.	1.0	90
12	Midterm Outcomes of Autologous Cultivated Limbal Stem Cell Transplantation With or Without Penetrating Keratoplasty. Cornea, 2010, 29, 502-509.	0.9	71
13	Exosomes secreted by hypoxic cardiosphereâ€derived cells enhance tube formation and increase proâ€angiogenic miRNA. Journal of Cellular Biochemistry, 2018, 119, 4150-4160.	1.2	71
14	Intra-articular knee implantation of autologous bone marrowâ€“derived mesenchymal stromal cells in rheumatoid arthritis patients with knee involvement: Results of a randomized, triple-blind, placebo-controlled phase 1/2 clinical trial. Cytotherapy, 2018, 20, 499-506.	0.3	70
15	Human cardiomyocyte generation from pluripotent stem cells: A state-of-art. Life Sciences, 2016, 145, 98-113.	2.0	65
16	Intravitreal injection of bone marrow mesenchymal stem cells in patients with advanced retinitis pigmentosa; a safety study. Journal of Ophthalmic and Vision Research, 2017, 12, 58.	0.7	63
17	Human cardiomyocytes undergo enhanced maturation in embryonic stem cell-derived organoid transplants. Biomaterials, 2019, 192, 537-550.	5.7	61
18	Cell-loaded gelatin/chitosan scaffolds fabricated by salt-leaching/lyophilization for skin tissue engineering:In vitroandin vivostudy. Journal of Biomedical Materials Research - Part A, 2014, 102, 3908-3917.	2.1	60

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19	Safety and tolerability of autologous bone marrow mesenchymal stromal cells in ADPKD patients. Stem Cell Research and Therapy, 2017, 8, 116.	2.4	57
20	Gelatin/chondroitin sulfate nanofibrous scaffolds for stimulation of wound healing: Inâ€vitro and inâ€vivo study. Journal of Biomedical Materials Research - Part A, 2017, 105, 2020-2034.	2.1	52
21	Mesenchymal stem cell-conditioned medium accelerates regeneration of human renal proximal tubule epithelial cells after gentamicin toxicity. Experimental and Toxicologic Pathology, 2013, 65, 595-600.	2.1	46
22	Autologous transplantation of bone marrow-derived mononuclear and CD133(+) cells in patients with decompensated cirrhosis. Archives of Iranian Medicine, 2011, 14, 12-7.	0.2	44
23	Quantum dot labeling using positive charged peptides in human hematopoetic and mesenchymal stem cells. Biomaterials, 2011, 32, 5195-5205.	5.7	43
24	Intra-renal arterial injection of autologous bone marrow mesenchymal stromal cells ameliorates cisplatin-induced acute kidney injury in a rhesus Macaque mulatta monkey model. Cytotherapy, 2014, 16, 734-749.	0.3	43
25	THERAPY OF ENDOCRINE DISEASE: Islet transplantation for type 1 diabetes: so close and yet so far away. European Journal of Endocrinology, 2015, 173, R165-R183.	1.9	43
26	Cell-based skin substitutes accelerate regeneration of extensive burn wounds in rats. American Journal of Surgery, 2017, 214, 762-769.	0.9	42
27	Disease-Corrected Hepatocyte-Like Cells from Familial Hypercholesterolemia-Induced Pluripotent Stem Cells. Molecular Biotechnology, 2013, 54, 863-873.	1.3	41
28	Facile Fabrication of Egg White Macroporous Sponges for Tissue Regeneration. Advanced Healthcare Materials, 2015, 4, 2281-2290.	3.9	41
29	Fabrication and characterization of spongy denuded amniotic membrane based scaffold for tissue engineering. Cell Journal, 2015, 16, 476-87.	0.2	41
30	Bone marrowâ€“mesenchymal stromal cell infusion in patients with chronic kidney disease: A safety study with 18 months of follow-up. Cytotherapy, 2018, 20, 660-669.	0.3	39
31	Maintaining Hair Inductivity in Human Dermal Papilla Cells: A Review of Effective Methods. Skin Pharmacology and Physiology, 2020, 33, 280-292.	1.1	38
32	Intraportal Infusion of Bone Marrow Mononuclear or CD133+ Cells in Patients With Decompensated Cirrhosis: A Double-Blind Randomized Controlled Trial. Stem Cells Translational Medicine, 2016, 5, 87-94.	1.6	36
33	Human embryonic stem cell-derived cardiovascular progenitor cells efficiently colonize in bFGF-tethered natural matrix to construct contracting humanized rat hearts. Biomaterials, 2018, 154, 99-112.	5.7	36
34	Generation of human induced pluripotent stem cells from a Bombay individual: Moving towards â€œuniversal-donorâ€•red blood cells. Biochemical and Biophysical Research Communications, 2010, 391, 329-334.	1.0	34
35	ISL1 Protein Transduction Promotes Cardiomyocyte Differentiation from Human Embryonic Stem Cells. PLoS ONE, 2013, 8, e55577.	1.1	34
36	Cellular and Molecular Mechanisms of Kidney Development: From the Embryo to the Kidney Organoid. Frontiers in Cell and Developmental Biology, 2020, 8, 183.	1.8	34

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37	Intraepidermal injection of dissociated epidermal cell suspension improves vitiligo. Archives of Dermatological Research, 2010, 302, 593-599.	1.1	31
38	TBX18 transcription factor overexpression in humanâ€induced pluripotent stem cells increases their differentiation into pacemakerâ€like cells. Journal of Cellular Physiology, 2019, 234, 1534-1546.	2.0	31
39	Reconstruction of Human Mandibular Continuity Defects With Allogenic Scaffold and Autologous Marrow Mesenchymal Stem Cells. Journal of Craniofacial Surgery, 2013, 24, 1292-1297.	0.3	29
40	Safety, Feasibility of Intravenous and Intrathecal Injection of Autologous Bone Marrow Derived Mesenchymal Stromal Cells in Patients with Amyotrophic Lateral Sclerosis: An Open Label Phase I Clinical Trial. Cell Journal, 2019, 20, 592-598.	0.2	29
41	Ascorbic acid promotes the direct conversion of mouse fibroblasts into beating cardiomyocytes. Biochemical and Biophysical Research Communications, 2015, 463, 699-705.	1.0	28
42	Experimental evidences for hsa-miR-497-5p as a negative regulator of SMAD3 gene expression. Gene, 2016, 586, 216-221.	1.0	28
43	Intrathecal injection of CD133-positive enriched bone marrow progenitor cells in children with cerebral palsy: feasibility and safety. Cytotherapy, 2015, 17, 232-241.	0.3	27
44	Human Hair Reconstruction: Close, But Yet So Far. Stem Cells and Development, 2016, 25, 1767-1779.	1.1	27
45	Effect of mesenchymal stem cells on Doxorubicin-induced fibrosis. Cell Journal, 2012, 14, 142-51.	0.2	26
46	Hair Follicle Generation by Injections of Adult Human Follicular Epithelial and Dermal Papilla Cells into Nude Mice. Cell Journal, 2017, 19, 259-268.	0.2	25
47	A randomized, double-blind, phase I clinical trial of fetal cell-based skin substitutes on healing of donor sites in burn patients. Burns, 2019, 45, 914-922.	1.1	24
48	Therapeutic potential of human-induced pluripotent stem cell-derived endothelial cells in a bleomycin-induced scleroderma mouse model. Stem Cell Research, 2013, 10, 288-300.	0.3	23
49	Prospective Isolation of ISL1+ Cardiac Progenitors from Human ESCs forÂMyocardial Infarction Therapy. Stem Cell Reports, 2018, 10, 848-859.	2.3	23
50	Safety and efficacy of granulocyteâ€“colony-stimulating factor administration following autologous intramuscular implantation of bone marrow mononuclear cells: a randomized controlled trial in patients with advanced lower limb ischemia. Cytotherapy, 2010, 12, 783-791.	0.3	21
51	Safety and Efficacy of Repeated Bone Marrow Mononuclear Cell Therapy in Patients with Critical Limb Ischemia in a Pilot Randomized Controlled Trial. Archives of Iranian Medicine, 2016, 19, 388-96.	0.2	21
52	Engineering natural heart valves: possibilities and challenges. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 1675-1683.	1.3	20
53	Conquering the cytokine storm in COVIDâ€19â€induced ARDS using placentaâ€derived decidua stromal cells. Journal of Cellular and Molecular Medicine, 2021, 25, 10554-10564.	1.6	20
54	Experimental Autoimmune Encephalomyelitis (EAE) Induced by Antigen Pulsed Dendritic Cells in the C57BL/6 Mouse: Influence of Injection Route. Experimental Animals, 2008, 57, 45-55.	0.7	19

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55	Is TGFÎ² as an anti-inflammatory cytokine required for differentiation of inflammatory TH17 cells?. Journal of Immunotoxicology, 2016, 13, 775-783.	0.9	19
56	Percutaneous Autologous Bone Marrow-Derived Mesenchymal Stromal Cell Implantation Is Safe for Reconstruction of Human Lower Limb Long Bone Atrophic Nonunion. Cell Journal, 2017, 19, 159-165.	0.2	19
57	COMPARE CPM-RMI Trial: Intramyocardial Transplantation of Autologous Bone Marrow-Derived CD133+ Cells and MNCs during CABG in Patients with Recent MI: A Phase II/III, Multicenter, Placebo-Controlled, Randomized, Double-Blind Clinical Trial. Cell Journal, 2018, 20, 267-277.	0.2	19
58	Cellular and Molecular Characterization of Human Cardiac Stem Cells Reveals Key Features Essential for Their Function and Safety. Stem Cells and Development, 2015, 24, 1390-1404.	1.1	18
59	Autologous transplantation of mesenchymal stromal cells tends to prevent progress of interstitial fibrosis in a rhesus Macaca mulatta monkey model of chronic kidney disease. Cytotherapy, 2015, 17, 1495-1505.	0.3	18
60	Effect of autologous muscleâ€derived cells in the treatment of urinary incontinence in female patients with intrinsic sphincter deficiency and epispadias: A prospective study. International Journal of Urology, 2016, 23, 581-586.	0.5	18
61	Midterm outcomes of penetrating keratoplasty after cultivated oral mucosal epithelial transplantation in chemical burn. Ocular Surface, 2017, 15, 789-794.	2.2	18
62	A single-arm open-label clinical trial of autologous epidermal cell transplantation for stable vitiligo: A 30-month follow-up. Journal of Dermatological Science, 2018, 89, 52-59.	1.0	18
63	Mesenchymal Stromal Cells Implantation in Combination with Platelet Lysate Product Is Safe for Reconstruction of Human Long Bone Nonunion. Cell Journal, 2016, 18, 302-309.	0.2	18
64	Repeated Intraportal Injection of Mesenchymal Stem Cells in Combination with Pioglitazone in Patients with Compensated Cirrhosis: A Clinical Report of Two Cases. Archives of Iranian Medicine, 2016, 19, 131-6.	0.2	18
65	Systemic Infusion of Autologous Adipose Tissue-Derived Mesenchymal Stem Cells in Peritoneal Dialysis Patients: Feasibility and Safety. Cell Journal, 2019, 20, 483-495.	0.2	17
66	Five-year follow-up of the local autologous transplantation of CD133+ enriched bone marrow cells in patients with myocardial infarction. Archives of Iranian Medicine, 2012, 15, 32-5.	0.2	17
67	Expansion of Human Pluripotent Stem Cell-derived Early Cardiovascular Progenitor Cells by a Cocktail of Signaling Factors. Scientific Reports, 2019, 9, 16006.	1.6	15
68	Defining microRNA signatures of hair follicular stem and progenitor cells in healthy and androgenic alopecia patients. Journal of Dermatological Science, 2021, 101, 49-57.	1.0	15
69	Large-Scale Production of Cardiomyocytes from Human Pluripotent Stem Cells Using a Highly Reproducible Small Molecule-Based Differentiation Protocol. Journal of Visualized Experiments, 2016, , .	0.2	13
70	Transient Activation of Reprogramming Transcription Factors Using Protein Transduction Facilitates Conversion of Human Fibroblasts Toward Cardiomyocyte-Like Cells. Molecular Biotechnology, 2017, 59, 207-220.	1.3	13
71	Cardioprotective effects of omegaâ€3 fatty acids and ascorbic acid improve regenerative capacity of embryonic stem cellâ€derived cardiac lineage cells. BioFactors, 2019, 45, 427-438.	2.6	13
72	Reversible permeabilization of the mitochondrial membrane promotes human cardiomyocyte differentiation from embryonic stem cells. Journal of Cellular Physiology, 2019, 234, 521-536.	2.0	12

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73	Mesenchymal stem cells from murine amniotic fluid as a model for preclinical investigation. Archives of Iranian Medicine, 2011, 14, 96-103.	0.2	12
74	Inhibition of glycogen synthase kinase-3 promotes efficient derivation of pluripotent stem cells from neonatal mouse testis. Human Reproduction, 2012, 27, 2312-2324.	0.4	11
75	Improving the biological function of decellularized heart valves through integration of protein tethering and threeâ€dimensional cell seeding in a bioreactor. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e1865-e1879.	1.3	11
76	Autologous bone marrowâ€“derived CD133 cells with core decompression as a novel treatment method for femoral head osteonecrosis: a pilot study. Cytotherapy, 2019, 21, 107-112.	0.3	11
77	Topical Tacrolimus as an adjunct to Conventional Therapy for Stromal Herpetic Keratitis: a Randomized Clinical Trial. Journal of Ophthalmic and Vision Research, 2019, 14, 400-411.	0.7	11
78	In Vitro Differentiation of Human Umbilical Cord Blood CD133(+)Cells into Insulin Producing Cells in Co-Culture with Rat Pancreatic Mesenchymal Stem Cells. Cell Journal, 2015, 17, 211-20.	0.2	11
79	Promoting Maturation of Human Pluripotent Stem Cell-Derived Renal Microtissue by Incorporation of Endothelial and Mesenchymal Cells. Stem Cells and Development, 2021, 30, 428-440.	1.1	10
80	Effects of Adipose-Derived Stem Cells and Platelet-Rich Plasma Exosomes on The Inductivity of Hair Dermal Papilla Cells. Cell Journal, 2021, 23, 576-583.	0.2	10
81	Isolation and characterization of cardiogenic, stem-like cardiac precursors from heart samples of patients with congenital heart disease. Life Sciences, 2015, 137, 105-115.	2.0	9
82	Lack of benefi cial eff ects of granulocyte colony-stimulating factor in patients with subacute myocardial infarction undergoing late revascularization: a double-blind, randomized, placebo-controlled clinical trial. Acta Cardiologica, 2011, 66, 219-224.	0.3	8
83	Exogenous treatment with eicosapentaenoic acid supports maturation of cardiomyocytes derived from embryonic stem cells. Biochemical and Biophysical Research Communications, 2015, 461, 281-286.	1.0	8
84	Isolation, Characterization and Osteogenic Potential of Mouse Digit Tip Blastema Cells in Comparison with Bone Marrow-Derived Mesenchymal Stem Cells In Vitro. Cell Journal, 2018, 19, 585-598.	0.2	8
85	Hair Follicle as a Source of Pigment-Producing Cells for Treatment of Vitiligo: An Alternative to Epidermis?. Tissue Engineering and Regenerative Medicine, 2020, 17, 815-827.	1.6	7
86	Decellularized muscleâ€derived hydrogels support in vitro cardiac microtissue fabrication. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 3302-3310.	1.6	7
87	Surveillance for hepatocellular carcinoma after autologous stem cell transplantation in cirrhosis. Middle East Journal of Digestive Diseases, 2012, 4, 145-9.	0.2	7
88	Treatment of Hypertrophic Scar in Human with Autologous Transplantation of Cultured Keratinocytes and Fibroblasts along with Fibrin Glue. Cell Journal, 2015, 17, 49-58.	0.2	7
89	Identification of Three Novel Frameshift Mutations in the PKD1 Gene in Iranian Families with Autosomal Dominant Polycystic Kidney Disease Using Efficient Targeted Next-Generation Sequencing. Kidney and Blood Pressure Research, 2018, 43, 471-478.	0.9	6
90	Amniotic Membrane Seeded Fetal Fibroblasts as Skin Substitute for Wound Regeneration. Methods in Molecular Biology, 2018, 1879, 211-219.	0.4	6

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91	Cultivation of Adipose-Derived Stromal Cells on Intact Amniotic Membrane-Based Scaffold for Skin Tissue Engineering. Methods in Molecular Biology, 2018, 1879, 201-210.	0.4	6
92	Improved differentiation of human enriched CD133+CD24+ renal progenitor cells derived from embryonic stem cell with embryonic mouse kidney-derived mesenchymal stem cells co-culture. Differentiation, 2019, 109, 1-8.	1.0	6
93	Autologous Muscle-derived Cell Injection for Treatment of Female Stress Urinary Incontinence: A Single- Arm Clinical Trial with 24-months Follow-Up. Urology Journal, 2019, 16, 482-487.	0.3	6
94	Establishment of A Protocol for In Vitro Culture of Cardiogenic Mesodermal Cells Derived from Human Embryonic Stem Cells. Cell Journal, 2019, 20, 496-504.	0.2	5
95	Stauprimide Priming of Human Embryonic Stem Cells toward Definitive Endoderm. Cell Journal, 2014, 16, 63-72.	0.2	5
96	Long-Term Follow-up of Autologous Fibroblast Transplantation for Facial Contour Deformities, A Non-Randomized Phase IIa Clinical Trial. Cell Journal, 2020, 22, 75-84.	0.2	5
97	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, .	1.8	5
98	Influence of decellularized pericardium matrix on the behavior of cardiac progenitors. Journal of Applied Polymer Science, 2016, 133, .	1.3	4
99	Differentiation potential of o bombay human-induced pluripotent stem cells and human embryonic stem cells into fetal erythroid-like cells. Cell Journal, 2015, 16, 426-39.	0.2	3
100	Programming of ES cells and reprogramming of fibroblasts into renal lineage-like cells. Experimental Cell Research, 2019, 379, 225-234.	1.2	2
101	Treatment of New Cases of Acute Promyelocytic Leukaemia by Arsenic Trioxide.. Blood, 2004, 104, 396-396.	0.6	2
102	Mesenchymal Stromal Cell Therapy Improves Refractory Perianal Fistula in Crohn's Disease: Case Series Clinical Interventional Study.. Cell Journal, 2022, 24, 62-68.	0.2	2
103	Safety and Efficacy of Allogeneic Adipose Tissue Mesenchymal Stromal Cells in Amyotrophic Lateral Sclerosis Patients, Single-Center, Prospective, Open-Label, Single-Arm Clinical Trial, Long-Term Follow-up.. Cell Journal, 2021, 23, 772-778.	0.2	1
104	Coâ€˜segregation of candidate polymorphism rs201204878 of the PKD1 gene in a large Iranian family with autosomal dominant polycystic disease. Experimental and Therapeutic Medicine, 2019, 18, 1345-1349.	0.8	0
105	Bioinspired Device Improves The Cardiogenic Potential of Cardiac Progenitor Cells. Cell Journal, 2021, 23, 129-136.	0.2	0
106	A Novel Insight into Endothelial and Cardiac Cells Phenotype in Systemic Sclerosis Using Patient-Derived Induced Pluripotent Stem Cell. Cell Journal, 2021, 23, 273-287.	0.2	0
107	The Impact of Different Cell Culture Mediums on CD8+ T Cells Expansion: A Bioinformatics Study.. Cell Journal, 2022, 24, 155-162.	0.2	0