

Erdal Karaöz

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

2,172
citations

236925

25
h-index

254184

43
g-index

91
all docs

91
docs citations

91
times ranked

3651
citing authors

#	ARTICLE	IF	CITATIONS
1	Human dental pulp stem cells demonstrate better neural and epithelial stem cell properties than bone marrow-derived mesenchymal stem cells. <i>Histochemistry and Cell Biology</i> , 2011, 136, 455-473.	1.7	181
2	Isolation and in vitro characterisation of dental pulp stem cells from natal teeth. <i>Histochemistry and Cell Biology</i> , 2010, 133, 95-112.	1.7	175
3	Characterization of mesenchymal stem cells from rat bone marrow: ultrastructural properties, differentiation potential and immunophenotypic markers. <i>Histochemistry and Cell Biology</i> , 2009, 132, 533-546.	1.7	173
4	Protective role of melatonin and a combination of vitamin C and vitamin E on lung toxicity induced by chlorpyrifos-ethyl in rats. <i>Experimental and Toxicologic Pathology</i> , 2002, 54, 97-108.	2.1	80
5	Immunoregulatory effects of human dental pulp-derived stem cells on T cells: comparison of transwell co-culture and mixed lymphocyte reaction systems. <i>Cytotherapy</i> , 2011, 13, 1205-1220.	0.7	75
6	Neuroprotective effects of intravitreally transplanted adipose tissue and bone marrow-derived mesenchymal stem cells in an experimental ocular hypertension model. <i>Cytotherapy</i> , 2015, 17, 543-559.	0.7	72
7	The paracrine immunomodulatory interactions between the human dental pulp derived mesenchymal stem cells and CD4 T cell subsets. <i>Cellular Immunology</i> , 2016, 310, 108-115.	3.0	72
8	Adipose tissue-derived mesenchymal stromal cells efficiently differentiate into insulin-producing cells in pancreatic islet microenvironment both in vitro and in vivo. <i>Cytotherapy</i> , 2013, 15, 557-570.	0.7	70
9	Investigation of biochemical and histopathological effects of <i>Mentha piperita</i> L. and <i>Mentha spicata</i> L. on kidney tissue in rats. <i>Human and Experimental Toxicology</i> , 2003, 22, 213-219.	2.2	59
10	Effect of bone marrow and adipose tissue-derived mesenchymal stem cells on the natural course of corneal scarring after penetrating injury. <i>Experimental Eye Research</i> , 2016, 151, 227-235.	2.6	52
11	Comparison of Mesenchymal Stem Cells Isolated From Pulp and Periodontal Ligament. <i>Journal of Periodontology</i> , 2015, 86, 283-291.	3.4	50
12	Femtosecond laser treatment of 316L improves its surface nanoroughness and carbon content and promotes osseointegration: An in vitro evaluation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 108, 305-312.	5.0	48
13	A comprehensive characterization study of human bone marrow mscs with an emphasis on molecular and ultrastructural properties. <i>Journal of Cellular Physiology</i> , 2011, 226, 1367-1382.	4.1	46
14	Effect of Chronic Fluorosis on Lipid Peroxidation and Histology of Kidney Tissues in First- and Second-Generation Rats. <i>Biological Trace Element Research</i> , 2004, 102, 199-208.	3.5	44
15	Mesenchymal stem cells and ligand incorporation in biomimetic poly(ethylene glycol) hydrogels significantly improve insulin secretion from pancreatic islets. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 694-703.	2.7	39
16	Combined Flow Cytometric Analysis of Surface and Intracellular Antigens Reveals Surface Molecule Markers of Human Neurogenesis. <i>PLoS ONE</i> , 2013, 8, e68519.	2.5	37
17	Suppressive effect of compact bone-derived mesenchymal stem cells on chronic airway remodeling in murine model of asthma. <i>International Immunopharmacology</i> , 2014, 20, 101-109.	3.8	37
18	Mesenchymal stem cells improve the healing of ischemic colonic anastomoses (experimental study). <i>Langenbeck's Archives of Surgery</i> , 2011, 396, 115-126.	1.9	35

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19	Retinal Electrophysiological Effects of Intravitreal Bone Marrow Derived Mesenchymal Stem Cells in Streptozotocin Induced Diabetic Rats. PLoS ONE, 2016, 11, e0156495.	2.5	35
20	Comparison of the early period effects of bone marrow-derived mesenchymal stem cells and platelet-rich plasma on the Achilles tendon ruptures in rats. Connective Tissue Research, 2016, 57, 360-373.	2.3	34
21	Reduction of lesion in injured rat spinal cord and partial functional recovery of motility after bone marrow derived mesenchymal stem cell transplantation. Turkish Neurosurgery, 2011, 22, 207-17.	0.2	34
22	The effects of dental pulp stem cells on bone regeneration in rat calvarial defect model: Micro-computed tomography and histomorphometric analysis. Archives of Oral Biology, 2015, 60, 1729-1735.	1.8	33
23	Bone marrow-derived mesenchymal stem cells co-cultured with pancreatic islets display \hat{I}^2 cell plasticity. Journal of Tissue Engineering and Regenerative Medicine, 2011, 5, 491-500.	2.7	30
24	Isolation and characterization of stem cells from pancreatic islet: pluripotency, differentiation potential and ultrastructural characteristics. Cytotherapy, 2010, 12, 288-302.	0.7	29
25	Comparative Analyses of Immune -Suppressive Characteristics of Bone-Marrow, Whartonâ€™s Jelly and Adipose-Tissue Derived Human MSCs. Turkish Journal of Haematology, 2017, 34, 213-225.	0.5	28
26	Effects of mesenchymal stem cells and VEGF on liver regeneration following major resection. Langenbeck's Archives of Surgery, 2016, 401, 725-740.	1.9	28
27	Comparison of similar cells: Mesenchymal stromal cells and fibroblasts. Acta Histochemica, 2020, 122, 151634.	1.8	28
28	Efficacy of stem cell therapy in ambulatory and nonambulatory children with Duchenne muscular dystrophy – Phase I–II. Degenerative Neurological and Neuromuscular Disease, 2018, Volume 8, 63-77.	1.3	23
29	Synthesis, FT-IR and NMR characterization, antimicrobial activity, cytotoxicity and DNA docking analysis of a new anthraquinone derivate compound. Journal of Biomolecular Structure and Dynamics, 2020, 38, 756-770.	3.5	23
30	Successful rapid rituximab desensitization in an adolescent patient with nephrotic syndrome: Increase in number of Treg cells after desensitization. Journal of Allergy and Clinical Immunology, 2013, 132, 478-480.	2.9	22
31	Effect of chronic fluorosis on lipid peroxidation and histology of lung tissues in first and second generation rats. Toxicology and Industrial Health, 2006, 22, 375-380.	1.4	21
32	Production of a composite hyaluronic acid/gelatin blood plasma gel for hydrogelâ€based adipose tissue engineering applications. Journal of Biomedical Materials Research - Part A, 2014, 102, 2220-2229.	4.0	21
33	Genomagnetic assay for electrochemical detection of osteogenic differentiation in mesenchymal stem cells. Analyst, The, 2013, 138, 5424.	3.5	20
34	IL-6 originated from breast cancer tissue-derived mesenchymal stromal cells may contribute to carcinogenesis. Tumor Biology, 2015, 36, 5667-5677.	1.8	20
35	Olfactory ensheathing cells: Unique glial cells promising for treatments of spinal cord injury. Journal of Neuroscience Research, 2021, 99, 1579-1597.	2.9	20
36	Mesenchymal stem cell application improves tendon healing via anti-apoptotic effect (Animal study). Acta Orthopaedica Et Traumatologica Turcica, 2014, 48, 187-195.	0.8	19

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37	Adipose-Derived Stem Cells Improve Survival of Random Pattern Cutaneous Flaps in Radiation Damaged Skin. <i>Journal of Craniofacial Surgery</i> , 2015, 26, 1450-1455.	0.7	18
38	The Effect of Umbilical Cord-derived Mesenchymal Stem Cell Transplantation in a Patient with Cerebral Palsy: A Case Report. <i>International Journal of Stem Cells</i> , 2018, 11, 141-147.	1.8	18
39	Whartonâ€™s Jelly-Derived Mesenchymal Stem Cell Transplantation in a Patient with Hypoxic-Ischemic Encephalopathy. <i>Cell Transplantation</i> , 2018, 27, 1425-1433.	2.5	17
40	Layered double hydroxide-based nanocomposite scaffolds in tissue engineering applications. <i>RSC Advances</i> , 2021, 11, 30237-30252.	3.6	17
41	Effect of Diclofenac Sodium Administration during Pregnancy in the Postnatal Period. <i>Fetal Diagnosis and Therapy</i> , 2001, 16, 417-422.	1.4	15
42	Effect of Long-term Fluoride Exposure on Lipid Peroxidation and Histology of Testes in First- and Second-generation Rats. <i>Biological Trace Element Research</i> , 2007, 118, 260-268.	3.5	14
43	In vitro protection of adipose tissue-derived mesenchymal stem cells by erythropoietin. <i>Acta Histochemica</i> , 2014, 116, 117-125.	1.8	14
44	Cytotoxic effects of bulk fill composite resins on human dental pulp stem cells. <i>Journal of Oral Science</i> , 2016, 58, 299-305.	1.7	14
45	Comparison of Different Sources of Mesenchymal Stem Cells: Palatal versus Lipoaspirated Adipose Tissue. <i>Cells Tissues Organs</i> , 2017, 204, 228-240.	2.3	14
46	Stem Cell Based Therapy Option in COVID-19: Is It Really Promising?. , 2020, 11, 1174.		13
47	Age-related changes in the immunomodulatory effects of human dental pulp derived mesenchymal stem cells on the CD4+ T cell subsets. <i>Cytokine</i> , 2021, 138, 155367.	3.2	13
48	Investigation on the Histopathological Effects of Thyroidectomy on the Seminiferous Tubules of Immature and Adult Rats. <i>Urologia Internationalis</i> , 2004, 73, 59-64.	1.3	11
49	The Effect of Everolimus on Scar Formation in Glaucoma Filtering Surgery in a Rabbit Model. <i>Current Eye Research</i> , 2016, 41, 1438-1446.	1.5	10
50	Search for Novel Plasma Membrane Proteins as Potential Biomarkers in Human Mesenchymal Stem Cells Derived from Dental Pulp, Adipose Tissue, Bone Marrow, and Hair Follicle. <i>Journal of Membrane Biology</i> , 2021, 254, 409-422.	2.1	10
51	Glioblastoma Stem Cells and Comparison of Isolation Methods. <i>Journal of Clinical Medicine Research</i> , 2019, 11, 415-421.	1.2	10
52	The Effect of Melatonin on Morphological Changes in Liver Induced by Magnetic Field Exposure in Rats.. <i>Okajimas Folia Anatomica Japonica</i> , 2002, 79, 25-31.	1.2	10
53	Neurogenic differentiation capacity of subacromial bursal tissueâ€™ derived stem cells. <i>Journal of Orthopaedic Research</i> , 2014, 32, 151-158.	2.3	9
54	Use of Adipose-Derived Mesenchymal Stem Cells to Increase Viability of Composite Grafts. <i>Journal of Craniofacial Surgery</i> , 2016, 27, 1354-1360.	0.7	9

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55	Comparison of mesenchymal stem cell sheets and chondrocyte sheets in a rabbit growth plate injury model. <i>Turkish Journal of Medical Sciences</i> , 2020, 50, 1082-1096.	0.9	9
56	A unique Golgi apparatus distribution may be a marker for osteogenic differentiation of hDPâ€MSCs. <i>Cell Biochemistry and Function</i> , 2011, 29, 489-495.	2.9	7
57	Comparative Proteomics Analysis of Four Commonly Used Methods for Identification of Novel Plasma Membrane Proteins. <i>Journal of Membrane Biology</i> , 2019, 252, 587-608.	2.1	7
58	Feasibility of allogeneic mesenchymal stem cells in pediatric hypoxic-ischemic encephalopathy: Phase I study. <i>World Journal of Stem Cells</i> , 2021, 13, 470-484.	2.8	7
59	The Effect of Recombinant Tyrosine Hydroxylase Expression on the Neurogenic Differentiation Potency of Mesenchymal Stem Cells. <i>Neurospine</i> , 2018, 15, 42-53.	2.9	7
60	Mesenchymal stem cell-derived exosomes do not promote the proliferation of cancer cells. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2019, 11, 177-189.	0.8	7
61	Comparison of Treatments With Local Mesenchymal Stem Cells and Mesenchymal Stem Cells With Increased Vascular Endothelial Growth Factor Expression on Irradiation Injury of Expanded Skin. <i>Annals of Plastic Surgery</i> , 2015, 75, 219-230.	0.9	6
62	Expression of trophinin and dipeptidyl peptidase IV in endometrial co-culture in the presence of an embryo: A comparative immunocytochemical study. <i>Molecular Medicine Reports</i> , 2016, 13, 3961-3968.	2.4	6
63	Skeletal muscle patch engineering on synthetic and acellular human skeletal muscle originated scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 879-890.	4.0	6
64	Sensitivity Study for the Key Parameters in Heterospheroid Preparation with Insulin-Secreting Î²-Cells and Mesenchymal Stem Cells. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5229-5239.	5.2	6
65	Comparative Proteome Analysis of hAT-MSCs Isolated from Chronic Renal Failure Patients with Differences in Their Bone Turnover Status. <i>PLoS ONE</i> , 2015, 10, e0142934.	2.5	5
66	Improved insulin-secreting properties of pancreatic islet mesenchymalstem cells by constitutive expression of Pax4 and MafA. <i>Turkish Journal of Biology</i> , 2017, 41, 979-991.	0.8	4
67	Contribution of Bone Marrowâ€Derived Mesenchymal Stem Cells to Healing of Pulmonary Contusion-Created Rats. <i>Journal of Surgical Research</i> , 2021, 261, 205-214.	1.6	4
68	The Use of Allogeneic Mesenchymal Stem Cell in Childhood Steroid- Resistant Acute Graft-Versus-Host Disease: A Retrospective Study, Single Center Experience. <i>Turkish Journal of Haematology</i> , 2019, 36, 186-192.	0.5	4
69	Chronic Degenerative Changes in the Myocardium Supplied by Bridged Coronary Arteries in Eight Postmortem Samples. <i>Japanese Circulation Journal</i> , 1998, 62, 691-694.	1.0	3
70	Cardiomyogenic differentiation potential of human lipoaspirate-derivedstem cells on hyaluronic acid/gelatin plasma gels. <i>Turkish Journal of Biology</i> , 2016, 40, 369-379.	0.8	3
71	Evaluation of Effect of Topical Tacrolimus Treatment on Herpetic Stromal Keratitis in a Rat Model. <i>Eye and Contact Lens</i> , 2016, 42, 163-170.	1.6	3
72	Use of Adipose-Derived Mesenchymal Stem Cells to Accelerate Neovascularization in Interpolation Flaps. <i>Journal of Craniofacial Surgery</i> , 2016, 27, 264-271.	0.7	3

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73	Histopathological, immunohistochemical, and biomechanical effects of splenectomy on Achilles tendon healing in rats. <i>Connective Tissue Research</i> , 2019, 60, 200-208.	2.3	3
74	Comparative Analysis of the Healing Effects of the Transplanted Cell Sheets to the Experimentally Injured Maxillary Sinuses. <i>Journal of Craniofacial Surgery</i> , 2019, 30, 2285-2292.	0.7	3
75	Stromal Stem Cells from Parathyroid Glands of Patients with Secondary Hyperparathyroidism Demonstrate Higher Telomerase Activity and Osteogenic Differentiation Ability than Normal Bone Marrow Derived Stromal Stem Cells. <i>British Journal of Medicine and Medical Research</i> , 2013, 3, 654-680.	0.2	3
76	SDF-1 modulates periodontal ligament-Mesenchymal Stem Cells (pdl-MSCs). <i>Journal of Periodontal Research</i> , 2021, 56, 774-781.	2.7	2
77	Phase I study on the safety and preliminary efficacy of allogeneic mesenchymal stem cells in hypoxic-ischemic encephalopathy. <i>World Journal of Experimental Medicine</i> , 2021, 11, 17-29.	1.7	2
78	Reduction of Inflammation and Enhancement of Motility after Pancreatic Islet Derived Stem Cell Transplantation Following Spinal Cord Injury. <i>Journal of Korean Neurosurgical Society</i> , 2019, 62, 153-165.	1.2	2
79	Differentiation Potential And Tumorigenic Risk of Rat Bone Marrow Stem Cells Are Affected By Long-Term In Vitro Expansion. <i>Turkish Journal of Haematology</i> , 2019, 36, 255-265.	0.5	2
80	Can Wharton jelly derived or adipose tissue derived mesenchymal stem cell can be a treatment option for duchenne muscular dystrophy? Answers as transcriptomic aspect. <i>American Journal of Stem Cells</i> , 2020, 9, 57-67.	0.4	2
81	Determination of antibiotic impurities in good manufacturing practices-grade cell therapy medicinal products. <i>Preparative Biochemistry and Biotechnology</i> , 2020, 50, 156-163.	1.9	1
82	The promising effects of BMP2 transfected mesenchymal stem cells on human osteosarcoma. <i>Turkish Journal of Biology</i> , 2021, 45, 301-313.	0.8	1
83	Formulating and Characterizing an Exosome-based Dopamine Carrier System. <i>Journal of Visualized Experiments</i> , 2022, , .	0.3	1
84	Paper # 214: Mesenchymal Stem Cell Application in the Late Stage of Achilles Tendon Repair (Animal) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	2.7	0
85	Mouse Bone Marrow Derived Mesenchymal Stem Cells Suppress Airway Inflammation In Both Chronic and Acute Murine Asthma Model. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, AB141.	2.9	0
86	FUNCTIONAL RECOVERY AFTER WHARTON'S JELLY-DERIVED MESENCHYMAL STEM CELL ADMINISTRATION IN A PATIENT WITH TRAUMATIC SPINAL CORD INJURY: A PILOT STUDY. <i>Journal of Turkish Spinal Surgery</i> , 2021, 32, 38-46.	0.1	0
87	Generation of Induced Pluripotent Stem Cells from Patients with Multiple Myeloma. <i>Turkish Journal of Haematology</i> , 2021, 38, 254-263.	0.5	0
88	Comparison of the Effects of Intratubal Injection of Adipose-Derived Mesenchymal Stem Cells in a Rat Sciatic Nerve Transection. <i>Annals of Plastic Surgery</i> , 2021, Publish Ahead of Print, .	0.9	0
89	The effect of Korean red ginseng on mesenchymal stem cells from healthy and osteoporotic human bone marrow. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2019, 11, 76-82.	0.8	0
90	Generation of Induced Pluripotent Stem Cells from Human Bone Marrow-Derived Mesenchymal Stem Cells. <i>Methods in Molecular Biology</i> , 2021, , 1.	0.9	0