

Mehryar Habibi Roudkenar

List of Publications by Year in descending order

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108
papers

2,480
citations

212478

28
h-index

274796

44
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114
all docs

114
docs citations

114
times ranked

6370
citing authors

#	ARTICLE	IF	CITATIONS
1	Combination Therapy of Metadichol Nanogel and Lipocalin-2 Engineered Mesenchymal Stem Cells Improve Wound Healing in Rat Model of Excision Injury. <i>Advanced Pharmaceutical Bulletin</i> , 2022, 12, 550-560.	0.6	3
2	Co-culture of mesenchymal stem cell spheres with hematopoietic stem cells under hypoxia: a cost-effective method to maintain self-renewal and homing marker expression. <i>Molecular Biology Reports</i> , 2022, 49, 931-941.	1.0	3
3	Pharmacological Targeting of Ferroptosis in Cancer Treatment. <i>Current Cancer Drug Targets</i> , 2022, 22, 108-125.	0.8	7
4	Oxytocin ameliorates KCC2 decrease induced by oral bacteria-derived LPS that affect rat primary cultured cells and PC-12 cells. <i>Peptides</i> , 2022, 150, 170734.	1.2	7
5	Non-coding RNAs in ferroptotic cancer cell death pathway: meet the new masters. <i>Human Cell</i> , 2022, 35, 972-994.	1.2	13
6	Plumping up a Cushion of Human Biowaste in Regenerative Medicine: Novel Insights into a State-of-the-Art Reserve Arsenal. <i>Stem Cell Reviews and Reports</i> , 2022, 18, 2709-2739.	1.7	2
7	The immunosuppressive role of indoleamine 2, 3-dioxygenase in glioblastoma: mechanism of action and immunotherapeutic strategies. , 2022, 39, .		17
8	CRISPR/Cas9-mediated knockout of Lcn2 in human breast cancer cell line MDA-MB-231 ameliorates erastin-mediated ferroptosis and increases cisplatin vulnerability. <i>Life Sciences</i> , 2022, 304, 120704.	2.0	14
9	Conditioned medium harvested from Hif1 α engineered mesenchymal stem cells ameliorates LAD-occlusion -induced injury in rat acute myocardial ischemia model. <i>International Journal of Biochemistry and Cell Biology</i> , 2021, 130, 105897.	1.2	5
10	Taming of Covid-19: potential and emerging application of mesenchymal stem cells. <i>Cytotechnology</i> , 2021, 73, 253-298.	0.7	2
11	MiR-7-5p Is Involved in Ferroptosis Signaling and Radioresistance Thru the Generation of ROS in Radioresistant HeLa and SAS Cell Lines. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8300.	1.8	40
12	Mitochondrial Dysfunction in Diseases, Longevity, and Treatment Resistance: Tuning Mitochondria Function as a Therapeutic Strategy. <i>Genes</i> , 2021, 12, 1348.	1.0	9
13	SA/G hydrogel containing NRF2-engineered HEK-293-derived CM improves wound healing efficacy of WJ-MSCs in a rat model of excision injury. <i>Journal of Tissue Viability</i> , 2021, 30, 527-536.	0.9	5
14	Dimethyl fumarate prevents cytotoxicity and apoptosis mediated by oxidative stress in human adipose-derived mesenchymal stem cells. <i>Molecular Biology Reports</i> , 2021, 48, 6375-6385.	1.0	2
15	Development of a Cell-Based Biosensor for Residual Detergent Detection in Decellularized Scaffolds. <i>ACS Synthetic Biology</i> , 2021, 10, 2715-2724.	1.9	8
16	Cashing in on ferroptosis against tumor cells: Usher in the next chapter. <i>Life Sciences</i> , 2021, 285, 119958.	2.0	14
17	Decreased mitochondrial membrane potential is an indicator of radioresistant cancer cells. <i>Life Sciences</i> , 2021, 286, 120051.	2.0	14
18	Mesenchymal stem cells-derived mitochondria transplantation mitigates I/R-induced injury, abolishes I/R-induced apoptosis, and restores motor function in acute ischemia stroke rat model. <i>Brain Research Bulletin</i> , 2020, 165, 70-80.	1.4	44

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19	Mitochondrial dysfunction promotes aquaporin expression that controls hydrogen peroxide permeability and ferroptosis. <i>Free Radical Biology and Medicine</i> , 2020, 161, 60-70.	1.3	62
20	Transplantation of Umbilical Cord-Derived Mesenchymal Stem Cells Overexpressing Lipocalin 2 Ameliorates Ischemia-Induced Injury and Reduces Apoptotic Death in a Rat Acute Myocardial Infarction Model. <i>Stem Cell Reviews and Reports</i> , 2020, 16, 968-978.	1.7	8
21	SA/G hydrogel containing hCAP-18/LL-37-engineered WJ-MSCs-derived conditioned medium promoted wound healing in rat model of excision injury. <i>Life Sciences</i> , 2020, 261, 118381.	2.0	22
22	The Effects of Hydrogen Peroxide and/or Radiation on the Survival of Clinically Relevant Radioresistant Cells. <i>Technology in Cancer Research and Treatment</i> , 2020, 19, 153303382098007.	0.8	6
23	Transfer of healthy fibroblast-derived mitochondria to HeLa and SAS cells recovers the proliferation capabilities of these cancer cells under conventional culture medium, but increase their sensitivity to cisplatin-induced apoptotic death. <i>Molecular Biology Reports</i> , 2020, 47, 4401-4411.	1.0	13
24	Implication and role of neutrophil gelatinase-associated lipocalin in cancer: lipocalin-2 as a potential novel emerging comprehensive therapeutic target for a variety of cancer types. <i>Molecular Biology Reports</i> , 2020, 47, 2327-2346.	1.0	27
25	MicroRNA Tough Decoy Knockdowns miR-195 and Represses Hypertrophy in Chondrocytes. <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 1056-1071.	1.4	3
26	Mitochondrial characteristics contribute to proliferation and migration potency of MDA-MB-231 cancer cells and their response to cisplatin treatment. <i>Life Sciences</i> , 2020, 244, 117339.	2.0	20
27	Disturbance in the regulation of miR 17-92 cluster on HIF-1 α expression contributes to clinically relevant radioresistant cells: an in vitro study. <i>Cytotechnology</i> , 2020, 72, 141-153.	0.7	7
28	Mitochondrial transplantation ameliorates ischemia/reperfusion-induced kidney injury in rat. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165809.	1.8	44
29	MS14 Down-regulates Lipocalin2 Expression in Spinal Cord Tissue in an Animal Model of Multiple Sclerosis in Female C57BL/6. <i>Iranian Biomedical Journal</i> , 2020, 24, 404-404.	0.4	1
30	From SARS-CoV to SARS-CoV2: a potential guide to better understanding of pathophysiology of the disease and potential therapeutic modality. <i>European Review for Medical and Pharmacological Sciences</i> , 2020, 24, 7816-7825.	0.5	5
31	Mitochondrial transplantation as a potential and novel master key for treatment of various incurable diseases. <i>Cytotechnology</i> , 2019, 71, 647-663.	0.7	53
32	CRISPR/Cas9-mediated knockout of Lcn2 effectively enhanced CDDP-induced apoptosis and reduced cell migration capacity of PC3 cells. <i>Life Sciences</i> , 2019, 231, 116586.	2.0	36
33	HEK293 Cells Overexpressing Nuclear Factor E2-Related Factor-2 Improve Expression of Recombinant Coagulation Factor VII. <i>Molecular Biotechnology</i> , 2019, 61, 317-324.	1.3	4
34	Mesenchymal stem cell-based therapy for autoimmune diseases: emerging roles of extracellular vesicles. <i>Molecular Biology Reports</i> , 2019, 46, 1533-1549.	1.0	70
35	Cell Survival Effects of Autophagy Regulation on Umbilical Cord-Derived Mesenchymal Stem Cells Following Exposure to Oxidative Stress. <i>Iranian Journal of Medical Sciences</i> , 2019, 44, 493-500.	0.3	3
36	Mesenchymal Stem Cells on Horizon: A New Arsenal of Therapeutic Agents. <i>Stem Cell Reviews and Reports</i> , 2018, 14, 484-499.	5.6	69

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37	Establishment of Stable CHO Cell Line Expressing Recombinant Human Haptoglobin: Toward New Haptoglobin-Based Therapeutics. Iranian Journal of Science and Technology, Transaction A: Science, 2018, 42, 1097-1103.	0.7	1
38	Cloning, Expression, and Assessment of Cytotoxic Effects of A-NGR Fusion Protein. International Journal of Peptide Research and Therapeutics, 2018, 24, 369-375.	0.9	1
39	Mitochondrial Dysfunction in Cross-resistance of Clinically Relevant Radioresistant Cells to X-rays and Docetaxane. Journal of Cancer Science & Therapy, 2018, 10, .	1.7	0
40	Lipocalin 2 enhances mesenchymal stem cell-based cell therapy in acute kidney injury rat model. Cytotechnology, 2018, 70, 103-117.	0.7	19
41	Dual Preconditioning: A Novel Strategy to Withstand Mesenchymal Stem Cells against Harsh Microenvironments. Advanced Pharmaceutical Bulletin, 2018, 8, 465-470.	0.6	14
42	A-NGR fusion protein induces apoptosis in human cancer cells. EXCLI Journal, 2018, 17, 590-597.	0.5	3
43	Lipocalin2 Protects Human Embryonic Kidney Cells against Cisplatin-Induced Genotoxicity. Iranian Journal of Pharmaceutical Research, 2018, 17, 147-154.	0.3	8
44	Chrysin as an Anti-Cancer Agent Exerts Selective Toxicity by Directly Inhibiting Mitochondrial Complex II and V in CLL B-lymphocytes. Cancer Investigation, 2017, 35, 174-186.	0.6	46
45	Mesenchymal Stem Cell-based Therapy as a New Horizon for Kidney Injuries. Archives of Medical Research, 2017, 48, 133-146.	1.5	36
46	Clinically relevant radioresistant cell line: a simple model to understand cancer radioresistance. Medical Molecular Morphology, 2017, 50, 195-204.	0.4	38
47	A Dermal Equivalent Engineered with TGF β 3 Expressing Bone Marrow Stromal Cells and Amniotic Membrane: Cosmetic Healing of Full Thickness Skin Wounds in Rats. Artificial Organs, 2016, 40, E266-E279.	1.0	22
48	The Involvement of Mitochondrial Membrane Potential in Cross-Resistance Between Radiation and Docetaxel. International Journal of Radiation Oncology Biology Physics, 2016, 96, 556-565.	0.4	28
49	Selective Anticancer Activity of Acacetin Against Chronic Lymphocytic Leukemia Using Both In Vivo and In Vitro Methods: Key Role of Oxidative Stress and Cancerous Mitochondria. Nutrition and Cancer, 2016, 68, 1404-1416.	0.9	37
50	Artificial Blood Substitutes: First Steps on the Long Route to Clinical Utility. Clinical Medicine Insights Blood Disorders, 2016, 9, CMBD.S38461.	0.3	41
51	Induction of humoral immune response against Pseudomonas aeruginosa flagellin(1-161) using gold nanoparticles as an adjuvant. Vaccine, 2016, 34, 1472-1479.	1.7	33
52	Autophagy-Modulated Human Bone Marrow-Derived Mesenchymal Stem Cells Accelerate Liver Restoration in Mouse Models of Acute Liver Failure. Iranian Biomedical Journal, 2016, 20, 135-44.	0.4	17
53	Nuclear factor erythroid-2 related factor 2 overexpressed mesenchymal stem cells transplantation, improves renal function, decreases injuries markers and increases repair markers in glycerol-induced Acute kidney injury rats. Iranian Journal of Basic Medical Sciences, 2016, 19, 323-9.	1.0	17
54	Down-regulation of the autophagy gene, <i>ATG7</i> , protects bone marrow-derived mesenchymal stem cells from stressful conditions. Blood Research, 2015, 50, 80.	0.5	28

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55	Experimental research Stem cell isolation by a morphology-based selection method in postnatal mouse ovary. Archives of Medical Science, 2015, 3, 670-678.	0.4	8
56	Positive selection of Wharton's jelly-derived CD105 ⁺ cells by MACS technique and their subsequent cultivation under suspension culture condition: A simple, versatile culturing method to enhance the multipotentiality of mesenchymal stem cells. Hematology, 2015, 20, 208-216.	0.7	13
57	In vitro augmentation of mesenchymal stem cells viability in stressful microenvironments. Cell Stress and Chaperones, 2015, 20, 237-251.	1.2	85
58	Targeting delivery of lipocalin 2-engineered mesenchymal stem cells to colon cancer in order to inhibit liver metastasis in nude mice. Tumor Biology, 2015, 36, 6011-6018.	0.8	14
59	Ellagic acid, a polyphenolic compound, selectively induces ROS-mediated apoptosis in cancerous B-lymphocytes of CLL patients by directly targeting mitochondria. Redox Biology, 2015, 6, 461-471.	3.9	91
60	Co-culture of bone marrow-derived mesenchymal stem cells overexpressing lipocalin 2 with HK2 and HEK293 cells protects the kidney cells against cisplatin-induced injury. Cell Biology International, 2015, 39, 152-163.	1.4	17
61	Adenovirus-Mediated Over-Expression of Nrf2 Within Mesenchymal Stem Cells (MSCs) Protected Rats Against Acute Kidney Injury. Advanced Pharmaceutical Bulletin, 2015, 5, 201-208.	0.6	20
62	Isolation and enrichment of mouse female germ line stem cells. Cell Journal, 2015, 16, 406-15.	0.2	29
63	The Lcn2-engineered HEK-293 cells show senescence under stressful condition. Iranian Journal of Basic Medical Sciences, 2015, 18, 459-64.	1.0	3
64	The interaction between Sertoli cells and leukemia inhibitory factor on the propagation and differentiation of spermatogonial stem cells in vitro. Iranian Journal of Reproductive Medicine, 2015, 13, 679-86.	0.8	6
65	Over expression of HIF-1 β in human mesenchymal stem cells increases their supportive functions for hematopoietic stem cells in an experimental co-culture model. Hematology, 2014, 19, 85-98.	0.7	17
66	Recombinant human lipocalin 2 acts as an antibacterial agent to prevent platelet contamination. Hematology, 2014, 19, 487-492.	0.7	9
67	Induction of multipotency in umbilical cord-derived mesenchymal stem cells cultivated under suspension conditions. Cell Stress and Chaperones, 2014, 19, 657-666.	1.2	24
68	Lipocalin 2 decreases senescence of bone marrow-derived mesenchymal stem cells under sub-lethal doses of oxidative stress. Cell Stress and Chaperones, 2014, 19, 685-693.	1.2	28
69	Human Plasma Derived Drugs Separation by Fractionation of Plasma with Polyethylene Glycol. Iranian Journal of Biotechnology, 2014, 12, 82-85.	0.3	1
70	Role of Somatic Testicular Cells during Mouse Spermatogenesis in Three-Dimensional Collagen Gel Culture System. Cell Journal, 2014, 16, 79-90.	0.2	19
71	MS14 down-regulates lipocalin2 expression in spinal cord tissue in an animal model of multiple sclerosis in female C57BL/6. Iranian Biomedical Journal, 2014, 18, 196-202.	0.4	6
72	NF-E2-related factor 2 over-expression in mesenchymal stem cells to improve cellular cardiomyoplasty. Electronic Physician, 2014, 6, 808-13.	0.2	1

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73	Lipocalin-2-mediated upregulation of various antioxidants and growth factors protects bone marrow-derived mesenchymal stem cells against unfavorable microenvironments. <i>Cell Stress and Chaperones</i> , 2013, 18, 785-800.	1.2	44
74	An Improved Protocol for Isolation and Culturing of Mouse Spermatogonial Stem Cells. <i>Cellular Reprogramming</i> , 2013, 15, 329-336.	0.5	21
75	HIF-1 α Confers Resistance to Induced Stress in Bone Marrow-derived Mesenchymal Stem Cells. <i>Archives of Medical Research</i> , 2013, 44, 185-193.	1.5	39
76	Improvement of Expression of $\alpha 6$ and $\beta 1$ Integrins by the Co-culture of Adult Mouse Spermatogonial Stem Cells with SIM Mouse Embryonic Fibroblast Cells (STO) and Growth Factors. <i>Iranian Journal of Basic Medical Sciences</i> , 2013, 16, 134-9.	1.0	13
77	Attempts to Express the A1-GMCSF Immunotoxin in the Baculovirus Expression Vector System. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 749-754.	0.6	7
78	Expression of P16 cell cycle inhibitor in human cord blood CD34+ expanded cells following co-culture with bone marrow-derived mesenchymal stem cells. <i>Hematology</i> , 2012, 17, 334-340.	0.7	7
79	Nrf-2 overexpression in mesenchymal stem cells reduces oxidative stress-induced apoptosis and cytotoxicity. <i>Cell Stress and Chaperones</i> , 2012, 17, 553-565.	1.2	119
80	Adenovirus-mediated expression of the HO-1 protein within MSCs decreased cytotoxicity and inhibited apoptosis induced by oxidative stresses. <i>Cell Stress and Chaperones</i> , 2012, 17, 181-190.	1.2	43
81	HESA-A Exerts Its Cytoprotective Effects through Scavenging of Free Radicals: An in Vitro Study. <i>Iranian Journal of Medical Sciences</i> , 2012, 37, 47-53.	0.3	8
82	Production of Pentameric Cholera Toxin B Subunit in Escherichia coli. <i>Avicenna Journal of Medical Biotechnology</i> , 2012, 4, 89-94.	0.2	6
83	Isolation, Cloning and High- Level Expression of Neutrophil Gelatinase-Associated Lipocalin Lipocalin2 by Baculovirus Expression System through Gateway Technology. <i>Iranian Journal of Basic Medical Sciences</i> , 2012, 15, 845-52.	1.0	2
84	Neutrophil gelatinase-associated lipocalin: A new antioxidant that exerts its cytoprotective effect independent on Heme Oxygenase-1. <i>Free Radical Research</i> , 2011, 45, 810-819.	1.5	57
85	Passive immunisation against Pseudomonas aeruginosa recombinant flagellin in an experimental model of burn wound sepsis. <i>Burns</i> , 2011, 37, 865-872.	1.1	26
86	Sulfur mustard induces expression of metallothionein-1A in human airway epithelial cells. <i>International Journal of General Medicine</i> , 2011, 4, 413.	0.8	16
87	Enhancement of autophagy is a potential modality for tumors refractory to radiotherapy. <i>Cell Death and Disease</i> , 2011, 2, e177-e177.	2.7	85
88	Effects of Polygonum aviculare Herbal Extract on Sperm Parameters after EMF Exposure in Mouse. <i>Pakistan Journal of Biological Sciences</i> , 2011, 14, 720-724.	0.2	21
89	The expression of heme oxygenase-1 in human-derived cancer cell lines. <i>Iranian Journal of Medical Sciences</i> , 2011, 36, 260-5.	0.3	11
90	Down-regulation of metallothionein 1 and 2 after exposure to electromagnetic field in mouse testis. <i>Iranian Biomedical Journal</i> , 2011, 15, 151-6.	0.4	2

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91	Neutrophil Gelatinase-Associated Lipocalin induces the expression of heme oxygenase-1 and superoxide dismutase 1, 2. <i>Cell Stress and Chaperones</i> , 2010, 15, 395-403.	1.2	49
92	High-level expression of functional recombinant human coagulation factor VII in insect cells. <i>Biotechnology Letters</i> , 2010, 32, 803-809.	1.1	10
93	HO1 mRNA and Protein do not Change in Parallel in Bronchial Biopsies of Patients after Long Term Exposure to Sulfur Mustard. <i>Gene Regulation and Systems Biology</i> , 2010, 4, GRSB.S5871.	2.3	7
94	Discrepancy between mRNA and Protein Expression of Neutrophil Gelatinase-Associated Lipocalin in Bronchial Epithelium Induced by Sulfur Mustard. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-6.	3.0	22
95	Effects of leukemia inhibitory factor on gp130 expression and rate of metaphase II development during in vitro maturation of mouse oocyte. <i>Iranian Biomedical Journal</i> , 2010, 14, 103-7.	0.4	3
96	Lipocalin 2 regulation by thermal stresses: Protective role of Lcn2/NGAL against cold and heat stresses. <i>Experimental Cell Research</i> , 2009, 315, 3140-3151.	1.2	55
97	Cloning, expression, purification, and characterization of recombinant flagellin isolated from <i>Pseudomonas aeruginosa</i> . <i>Biotechnology Letters</i> , 2009, 31, 1353-1360.	1.1	19
98	Establishment of a cell line expressing recombinant factor VII and its subsequent conversion to active form FVIIa through hepsin by genetic engineering method. <i>Vox Sanguinis</i> , 2009, 96, 309-315.	0.7	13
99	A study of the quantity of some stable and labile coagulation factors in fresh-frozen plasma produced from whole blood stored for 24 hours in Iran. <i>Blood Transfusion</i> , 2009, 7, 39-42.	0.3	6
100	Expression and purification of recombinant human coagulation factor VII fused to a histidine tag using Gateway technology. <i>Blood Transfusion</i> , 2009, 7, 305-12.	0.3	4
101	Upregulation of Neutrophil Gelatinase-associated Lipocalin, NGAL/Lcn2, in β^2 -Thalassemia Patients. <i>Archives of Medical Research</i> , 2008, 39, 402-407.	1.5	34
102	Neutrophil Gelatinase-associated Lipocalin Acts as a Protective Factor against H ₂ O ₂ Toxicity. <i>Archives of Medical Research</i> , 2008, 39, 560-566.	1.5	92
103	Gene Expression Profiles in Mouse Liver Cells after Exposure to Different Types of Radiation. <i>Journal of Radiation Research</i> , 2008, 49, 29-40.	0.8	25
104	Oxidative Stress Induced Lipocalin 2 Gene Expression: Addressing its Expression under the Harmful Conditions. <i>Journal of Radiation Research</i> , 2007, 48, 39-44.	0.8	142
105	Selective cytotoxicity of recombinant STXA1-GM-CSF protein in hematopoietic cancer cells. <i>Cell Biology and Toxicology</i> , 2006, 22, 213-219.	2.4	5
106	Recombinant hybrid protein, Shiga toxin and granulocyte macrophage colony stimulating factor effectively induce apoptosis of colon cancer cells. <i>World Journal of Gastroenterology</i> , 2006, 12, 2341.	1.4	6
107	Analysing Qualitative Data. By A. E. Maxwell, M.A., Ph.D. London. Methuen and Co. Ltd. New York. John Wiley and Sons Inc. 1961. Pp. 163, Price 16s.. <i>British Journal of Psychiatry</i> , 1963, 109, 163-163.	1.7	3
108	Study of Three Potential Diagnostic Biomarkers in Nasopharyngeal Carcinoma Samples from Guilan, North of Iran. <i>International Archives of Otorhinolaryngology</i> , 0, , .	0.3	0