Mehdi Shamsara

List of Publications by Year
in descending order

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51 papers	1,041 citations	471371 17 h-index	454834 30 g-index
52 all docs	52 docs citations	52 times ranked	1920 citing authors

#	Article	IF	Citations
1	Cyto and genotoxicities of graphene oxide and reduced graphene oxide sheets on spermatozoa. RSC Advances, 2014, 4, 27213.	1.7	117
2	Enhanced Cardiac Differentiation of Human Cardiovascular Disease Patient-Specific Induced Pluripotent Stem Cells by Applying Unidirectional Electrical Pulses Using Aligned Electroactive Nanofibrous Scaffolds. ACS Applied Materials & Interfaces, 2017, 9, 6849-6864.	4.0	77
3	Ugi Four-Component Assembly Process: An Efficient Approach for One-Pot Multifunctionalization of Nanographene Oxide in Water and Its Application in Lipase Immobilization. Chemistry of Materials, 2016, 28, 3004-3016.	3.2	63
4	Influence of heavy nanocrystals on spermatozoa and fertility of mammals. Materials Science and Engineering C, 2016, 69, 52-59.	3.8	57
5	Synthesis and cyto-genotoxicity evaluation of graphene on mice spermatogonial stem cells. Colloids and Surfaces B: Biointerfaces, 2016, 146, 770-776.	2.5	50
6	MiR-221/222 promote chemoresistance to cisplatin in ovarian cancer cells by targeting PTEN/PI3K/AKT signaling pathway. Cytotechnology, 2018, 70, 203-213.	0.7	50
7	Toward Chemical Perfection of Graphene-Based Gene Carrier via Ugi Multicomponent Assembly Process. Biomacromolecules, 2016, 17, 2963-2971.	2.6	45
8	Valproic Acid Promotes Apoptosis and Cisplatin Sensitivity Through Downregulation of H19 Noncoding RNA in Ovarian A2780 Cells. Applied Biochemistry and Biotechnology, 2018, 185, 1132-1144.	1.4	44
9	DNA and RNA extractions from eukaryotic and prokaryotic cells by graphene nanoplatelets. RSC Advances, 2014, 4, 60720-60728.	1.7	39
10	Metformin inhibits gastric cancer cells metastatic traits through suppression of epithelial-mesenchymal transition in a glucose-independent manner. PLoS ONE, 2017, 12, e0174486.	1.1	38
11	TBHP-induced oxidative stress alters microRNAs expression in mouse testis. Journal of Assisted Reproduction and Genetics, 2014, 31, 1287-1293.	1.2	37
12	Human Dental Pulp Stem Cells Differentiate into Oligodendrocyte Progenitors Using the Expression of Olig2 Transcription Factor. Cells Tissues Organs, 2014, 200, 93-103.	1.3	31
13	Identification of Reliable Reference Genes for Quantification of MicroRNAs in Serum Samples of Sulfur Mustard-Exposed Veterans. Cell Journal, 2015, 17, 494-501.	0.2	31
14	Pancreatic Endodermâ€Derived From Diabetic Patientâ€Specific Induced Pluripotent Stem Cell Generates Glucoseâ€Responsive Insulinâ€Secreting Cells. Journal of Cellular Physiology, 2017, 232, 2616-2625.	2.0	29
15	Expression of Clostridium perfringens epsilon-beta fusion toxin gene in E. coli and its immunologic studies in mouse. Vaccine, 2013, 31, 3295-3299.	1.7	23
16	Tetracycline-regulated expression of OLIG2 gene in human dental pulp stem cells lead to mouse sciatic nerve regeneration upon transplantation. Neuroscience, 2015, 305, 197-208.	1.1	22
17	Graphene Oxide Negatively Regulates Cell Cycle in Embryonic Fibroblast Cells . International Journal of Nanomedicine, 2020, Volume 15, 6201-6209.	3.3	19
18	MicroRNA expression in serum samples of sulfur mustard veterans as a diagnostic gateway to improve care. PLoS ONE, 2018, 13, e0194530.	1.1	18

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19	Isolation and characterization of breast cancer stem cellâ€like phenotype by Oct4 promoterâ€mediated activity. Journal of Cellular Physiology, 2020, 235, 7840-7848.	2.0	17
20	Immunization against leukemia inhibitory factor and its receptor suppresses tumor formation of breast cancer initiating cells in BALB/c mouse. Scientific Reports, 2020, 10, 11465.	1.6	17
21	Efficient generation of dopaminergic-like neurons by overexpression of Nurr1 and Pitx3 in mouse induced Pluripotent Stem Cells. Neuroscience Letters, 2016, 626, 126-134.	1.0	15
22	Ovine fetal mesenchymal stem cell differentiation to cardiomyocytes, effects of coâ€culture, role of small molecules; reversine and 5â€azacytidine. Cell Biochemistry and Function, 2016, 34, 250-261.	1.4	15
23	Effect of blastocoel fluid reduction before vitrification on gene expression in mouse blastocysts. Molecular Reproduction and Development, 2016, 83, 735-742.	1.0	14
24	Enhanced electrochemical biosensing of Buprenorphine opioid drug by highly stabilized magnetic nanocrystals. Sensors and Actuators B: Chemical, 2017, 239, 279-285.	4.0	13
25	Metformin modulates oncogenic expression of HOTAIR gene via promoter methylation and reverses epithelialâ€“mesenchymal transition in MDAâ€MBâ€231 cells. Journal of Cellular Biochemistry, 2021, 122, 385-393.	1.2	12
26	Expression and Purification of Functionally Active Recombinant Human Alpha 1-Antitrypsin in Methylotrophic Yeast Pichia pastoris. Avicenna Journal of Medical Biotechnology, 2011, 3, 127-34.	0.2	10
27	In Silico and Experimental Characterization of Chimeric Bacillus thermocatenulatus Lipase with the Complete Conserved Pentapeptide of Candida rugosa Lipase. Applied Biochemistry and Biotechnology, 2013, 169, 773-785.	1.4	9
28	Apoptotic and anti-apoptotic genes transcripts patterns of graphene in mice. Materials Science and Engineering C, 2017, 71, 460-464.	3.8	9
29	Cell typeâ€dependent functions of microRNAâ€92a. Journal of Cellular Biochemistry, 2018, 119, 5798-5804.	1.2	9
30	Novel halo- and thermo-tolerant Cohnella sp. A01 L-glutaminase: heterologous expression and biochemical characterization. Scientific Reports, 2019, 9, 19062.	1.6	9
31	Extracellular cholesterol oxidase from Rhodococcus sp.: isolation and molecular characterization. Iranian Biomedical Journal, 2010, 14, 49-57.	0.4	9
32	Elevating the expression level of biologically active recombinant human alpha 1-antitrypsin in Pichia pastorisan alpha 1-antitrypsin in Pichia pastoris. Electronic Journal of Biotechnology, 2013, 16, .	1.2	8
33	Induction of protective T-helper 1 immune responses against Echinococcus granulosus in mice by a multi-T-cell epitope antigen based on five proteins. Memorias Do Instituto Oswaldo Cruz, 2013, 108, 408-413.	0.8	8
34	Protein Engineering of Bacillus thermocatenulatus Lipase via Deletion of the Î±5 Helix. Applied Biochemistry and Biotechnology, 2014, 174, 339-351.	1.4	8
35	Low oxygen tension promotes invasive ability and embryo implantation rate. Reproductive Biology, 2018, 18, 295-300.	0.9	8
36	Evaluation of Osteogenic Differentiation of Bone Marrow-Derived Mesenchymal Stem Cell on Highly Porous Polycaprolactone Scaffold Reinforced With Layered Double Hydroxides Nanoclay. Frontiers in Bioengineering and Biotechnology, 2022, 10, 805969.	2.0	8

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37	The Endocannabinoid, Anandamide, Acts as a Novel Inhibitor of LPS-Induced Inflammasome Activation in Human Gastric Cancer AGS Cell Line: Involvement of CB1 and TRPV1 Receptors. Mediators of Inflammation, 2021, 2021, 1-9.	1.4	7
38	Heterologous Expression of Human Granulocyte-Colony Stimulating Factor in Pichia pastoris. Biotechnology, 2008, 7, 569-573.	0.5	7
39	Enhanced Gene Delivery in Bacterial and Mammalian Cells Using PEGylated Calcium Doped Magnetic Nanograin . International Journal of Nanomedicine, 2019, Volume 14, 9879-9891.	3.3	6
40	Effects of Different Concentrations of Reversine on Plasticity of Mesenchymal Stem Cells. Indian Journal of Clinical Biochemistry, 2020, 35, 188-196.	0.9	6
41	In Vitro Generation of Glucose-Responsive Insulin-Secreting Cells from PDX1â€“Overexpressing Human-Induced Pluripotent Stem Cell Derived from Diabetic Patient. ASAIO Journal, 2018, 64, 819-826.	0.9	5
42	Pipeline for the generation of gene knockout mice using dual sgRNA CRISPR/Cas9-mediated gene editing. Analytical Biochemistry, 2019, 568, 31-40.	1.1	5
43	Metformin is a Novel Suppressor for Vimentin in Human Gastric Cancer Cell Line.. International Journal of Molecular and Cellular Medicine, 2021, 10, 200-206.	1.1	5
44	Induction of prominent Th1 response in C57Bl/6 mice immunized with an E.coli-expressed multi T-cell epitope EgA31 antigen against Echinococcus granulosus. Folia Parasitologica, 2013, 60, 28-34.	0.7	4
45	Study of the effect of <scp>F</scp>17<scp>A</scp> mutation on characteristics of <scp>B</scp>acillus thermocatenulatus lipase expressed in <scp>P</scp>ichia pastoris using in silico and experimental methods. Biotechnology and Applied Biochemistry, 2014, 61, 264-273.	1.4	3
46	Fusion Protein Strategy to Increase Expression and Solubility of Hypervariable Region of VP2 Protein of Infectious Bursal Disease Virus in Escherichia coli. Protein Journal, 2012, 31, 580-584.	0.7	2
47	The chicken hypersensitive site-4 insulator cannot fully shield the murine phosphoglycerate kinase-1 promoter from integration site effects in transgenic mice. 3 Biotech, 2019, 9, 255.	1.1	2
48	Improved efficiency of genome editing by constitutive expression of Cas9 endonuclease in genetically-modified mice. 3 Biotech, 2021, 11, 56.	1.1	1
49	Male Spata19 knockout mice have behavioral disorders. Neurology Psychiatry and Brain Research, 2020, 38, 16-19.	2.0	0
50	Optimizing the Expression and Solubilization of an E. coli-Produced Leukemia Inhibitory Factor for Anti-LIF Antibody Production and Use Thereof for Contraception in Mice. Molecular Biotechnology, 2021, 63, 1169-1182.	1.3	0
51	Genetically modified mice- Methods, applications and outlook. Scientific Journal of Kurdistan University of Medical Sciences, 2019, 24, 24-44.	0.1	0