

Hossein Baharvand

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

370
papers

12,888
citations

52
h-index

102
g-index

404
ext. papers

16,337
ext. citations

5.1
avg. IF

6.48
L-index

#	Paper	IF	Citations
370	A Roadmap for the Production of a GMP-Compatible Cell Bank of Allogeneic Bone Marrow-Derived Clonal Mesenchymal Stromal Cells for Cell Therapy Applications.. <i>Stem Cell Reviews and Reports</i> , 2022 , 1	7.3	0
369	A Novel Missense Variant in Actin Binding Domain of Is Associated With Left Ventricular Noncompaction.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 839862	5.4	0
368	Mesenchymal Stromal Cell Therapy Improves Refractory Perianal Fistula in Crohn's Disease: Case Series Clinical Interventional Study.. <i>Cell Journal</i> , 2022 , 24, 62-68	2.4	
367	Pan-cancer analysis of microRNA expression profiles highlights microRNAs enriched in normal body cells as effective suppressors of multiple tumor types: A study based on TCGA database.. <i>PLoS ONE</i> , 2022 , 17, e0267291	3.7	2
366	Derivation of hormone-responsive human endometrial organoids and stromal cells from cryopreserved biopsies.. <i>Experimental Cell Research</i> , 2022 , 113205	4.2	0
365	Infection with a hypervirulent strain of Helicobacter pylori primes gastric cells toward intestinal transdifferentiation.. <i>Microbial Pathogenesis</i> , 2021 , 162, 105353	3.8	
364	Proteomics study reveals the molecular mechanisms underlying cryotolerance induced by mild sublethal stress in human sperm. <i>Cell and Tissue Research</i> , 2021 , 1	4.2	1
363	The Contribution of Y Chromosome Genes to Spontaneous Differentiation of Human Embryonic Stem Cells into Embryoid Bodies. <i>Cell Journal</i> , 2021 , 23, 40-50	2.4	
362	A Novel Insight into Endothelial and Cardiac Cells Phenotype in Systemic Sclerosis Using Patient-Derived Induced Pluripotent Stem Cell. <i>Cell Journal</i> , 2021 , 23, 273-287	2.4	
361	Application of Stem Cell-Derived Extracellular Vesicles as an Innovative Theranostics in Microbial Diseases.. <i>Frontiers in Microbiology</i> , 2021 , 12, 785856	5.7	1
360	Positive electrostatic therapy of metastatic tumors: selective induction of apoptosis in cancer cells by pure charges. <i>Cancer Medicine</i> , 2021 , 10, 7475-7491	4.8	1
359	The nano-based theranostics for respiratory complications of COVID-19. <i>Drug Development and Industrial Pharmacy</i> , 2021 , 1-9	3.6	
358	Three-dimensional and two-dimensional relationships of gangliogenesis with folliculogenesis in mature mouse ovary: a Golgi-Cox staining approach. <i>Scientific Reports</i> , 2021 , 11, 5547	4.9	0
357	Hydrogel-mediated delivery of microRNA-92a inhibitor polyplex nanoparticles induces localized angiogenesis. <i>Angiogenesis</i> , 2021 , 24, 657-676	10.6	9
356	Disturbed progesterone signalling in an advanced preclinical model of endometriosis. <i>Reproductive BioMedicine Online</i> , 2021 , 43, 139-147	4	3
355	Two leading international congresses in Iran in the era of COVID-19: 21st royan international twin congress, 4th international and 16th Iranian genetics congress. <i>BioEssays</i> , 2021 , 43, e2100078	4.1	1
354	Pre-clinical investigation of mesenchymal stromal cell-derived extracellular vesicles: a systematic review. <i>Cytotherapy</i> , 2021 , 23, 277-284	4.8	8

353	Promoting Maturation of Human Pluripotent Stem Cell-Derived Renal Microtissue by Incorporation of Endothelial and Mesenchymal Cells. <i>Stem Cells and Development</i> , 2021 , 30, 428-440	4.4	5
352	Highly tough and ultrafast self-healable dual physically crosslinked sulfated alginate-based polyurethane elastomers for vascular tissue engineering. <i>Carbohydrate Polymers</i> , 2021 , 257, 117632	10.3	8
351	Tissue-Specific Microparticles Improve Organoid Microenvironment for Efficient Maturation of Pluripotent Stem-Cell-Derived Hepatocytes. <i>Cells</i> , 2021 , 10,	7.9	5
350	Novel cell-based therapies in inflammatory bowel diseases: the established concept, promising results. <i>Human Cell</i> , 2021 , 34, 1289-1300	4.5	3
349	Biofabrication of size-controlled liver microtissues incorporated with ECM-derived microparticles to prolong hepatocyte function. <i>Bio-Design and Manufacturing</i> , 2021 , 4, 790-805	4.7	1
348	Pluripotent Stem Cells: Cancer Study, Therapy, and Vaccination. <i>Stem Cell Reviews and Reports</i> , 2021 , 17, 1975-1992	7.3	3
347	Therapeutic potential of pluripotent stem cell-derived dopaminergic progenitors in Parkinson's disease: a systematic review protocol. <i>Systematic Reviews</i> , 2021 , 10, 188	3	1
346	Patient-Specific Induced Pluripotent Stem Cell-Derived Hepatocyte-Like Cells as a Model to Study Autosomal Recessive Hypercholesterolemia. <i>Stem Cells and Development</i> , 2021 , 30, 714-724	4.4	4
345	Combined therapy of mesenchymal stem cells with a GLP-1 receptor agonist, liraglutide, on an inflammatory-mediated diabetic non-human primate model. <i>Life Sciences</i> , 2021 , 276, 119374	6.8	2
344	Evolution of organoid technology: Lessons learnt in Co-Culture systems from developmental biology. <i>Developmental Biology</i> , 2021 , 475, 37-53	3.1	10
343	Defining microRNA signatures of hair follicular stem and progenitor cells in healthy and androgenic alopecia patients. <i>Journal of Dermatological Science</i> , 2021 , 101, 49-57	4.3	6
342	The quest of cell surface markers for stem cell therapy. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 469-495	10.3	8
341	Insight into epigenetics of human endometriosis organoids: DNA methylation analysis of HOX genes and their cofactors. <i>Fertility and Sterility</i> , 2021 , 115, 125-137	4.8	11
340	Dynamically capped hierarchically porous microneedles enable post-fabrication loading and self-regulated transdermal delivery of insulin. <i>Chemical Engineering Journal</i> , 2021 , 421, 127823	14.7	7
339	Multifunctional Conductive Biomaterials as Promising Platforms for Cardiac Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 55-82	5.5	12
338	Chicken Interspecies Chimerism Unveils Human Pluripotency. <i>Stem Cell Reports</i> , 2021 , 16, 39-55	8	1
337	A case of autosomal recessive hypercholesterolemia with a novel mutation in the gene. <i>Clinical Pediatric Endocrinology</i> , 2021 , 30, 201-204	1.4	0
336	Mesenchymal stem cells derived from perinatal tissues for treatment of critically ill COVID-19-induced ARDS patients: a case series. <i>Stem Cell Research and Therapy</i> , 2021 , 12, 91	8.3	61

335	Oxygen-rich Environment Ameliorates Cell Therapy Outcomes of Cardiac Progenitor Cells for Myocardial Infarction. <i>Materials Science and Engineering C</i> , 2021 , 121, 111836	8.3	1
334	Towards maturation of human otic hair cell-like cells in pluripotent stem cell-derived organoid transplants. <i>Cell and Tissue Research</i> , 2021 , 386, 321-333	4.2	2
333	Organoids: a novel modality in disease modeling. <i>Bio-Design and Manufacturing</i> , 2021 , 4, 1-28	4.7	7
332	A tough polysaccharide-based cell-laden double-network hydrogel promotes articular cartilage tissue regeneration in rabbits. <i>Chemical Engineering Journal</i> , 2021 , 418, 129277	14.7	11
331	Advanced therapeutic modalities in hepatocellular carcinoma: Novel insights. <i>Journal of Cellular and Molecular Medicine</i> , 2021 , 25, 8602-8614	5.6	4
330	The conserved long noncoding RNA CARMA regulates cardiomyocyte differentiation. <i>Cardiovascular Research</i> , 2021 ,	9.9	2
329	Improved Differentiation of hESC-Derived Pancreatic Progenitors by Using Human Fetal Pancreatic Mesenchymal Cells in a Micro-scalable Three-Dimensional Co-culture System. <i>Stem Cell Reviews and Reports</i> , 2021 , 1	7.3	3
328	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.. <i>Cell Journal</i> , 2021 , 23, 772-778	2.4	0
327	Induction of Cell Replication by Small Molecule-Mediated Menin Inhibition and Combined PKC Activation and TGF- β Inhibition as Revealed by A Refined Primary Culture Screening.. <i>Cell Journal</i> , 2021 , 23, 633-639	2.4	
326	Female Reproductive Health in SARS-CoV-2 Pandemic Era.. <i>International Journal of Fertility & Sterility</i> , 2021 , 15, 241-245	1.9	
325	Directed differentiation of regulatory T cells from naive T cells and prevention of their inflammation-mediated instability using small molecules. <i>Clinical and Experimental Immunology</i> , 2020 , 201, 205-221	6.2	5
324	Combined inhibition of menin-MLL interaction and TGF- β signaling induces replication of human pancreatic beta cells. <i>European Journal of Cell Biology</i> , 2020 , 99, 151094	6.1	4
323	Extracellular vesicles derived from human ES-MSCs protect retinal ganglion cells and preserve retinal function in a rodent model of optic nerve injury. <i>Stem Cell Research and Therapy</i> , 2020 , 11, 203	8.3	13
322	Novel therapeutic approaches for treatment of COVID-19. <i>Journal of Molecular Medicine</i> , 2020 , 98, 789-803	9.5	27
321	Organoid technology in female reproductive biomedicine. <i>Reproductive Biology and Endocrinology</i> , 2020 , 18, 64	5	16
320	Exosomes as a next-generation drug delivery system: An update on drug loading approaches, characterization, and clinical application challenges. <i>Acta Biomaterialia</i> , 2020 , 113, 42-62	10.8	32
319	Electrically conductive materials for in vitro cardiac microtissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2020 , 108, 1203-1213	5.4	24
318	SOX2 protein transduction directly converts human fibroblasts into oligodendrocyte-like cells. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 525, 1-1	3.4	4

317	Signal regulators of human naïve pluripotency. <i>Experimental Cell Research</i> , 2020 , 389, 111924	4.2	10
316	Mesenchymal stem cell-derived extracellular vesicles alone or in conjunction with a SDKP-conjugated self-assembling peptide improve a rat model of myocardial infarction. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 524, 903-909	3.4	14
315	hsa-miR-766-5p as a new regulator of mitochondrial apoptosis pathway for discriminating of cell death from cardiac differentiation. <i>Gene</i> , 2020 , 736, 144448	3.8	4
314	Isolation, characterization, in vitro expansion and transplantation of Caspian trout (<i>Salmo caspius</i>) type a spermatogonia. <i>General and Comparative Endocrinology</i> , 2020 , 289, 113341	3	1
313	Co-delivery of minocycline and paclitaxel from injectable hydrogel for treatment of spinal cord injury. <i>Journal of Controlled Release</i> , 2020 , 321, 145-158	11.7	39
312	A Cell-Free SDKP-Conjugated Self-Assembling Peptide Hydrogel Sufficient for Improvement of Myocardial Infarction. <i>Biomolecules</i> , 2020 , 10,	5.9	12
311	Crocetin Prevents RPE Cells from Oxidative Stress through Protection of Cellular Metabolic Function and Activation of ERK1/2. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	8
310	Engineering a Model to Study Viral Infections: Bioprinting, Microfluidics, and Organoids to Defeat Coronavirus Disease 2019 (COVID-19). <i>International Journal of Bioprinting</i> , 2020 , 6, 302	6.2	27
309	In Situ Forming Hydrogels Based on Clickable Star-PEG for Biomedical Applications 2020 , 92-95		
308	Long-Term Follow-up of Autologous Fibroblast Transplantation for Facial Contour Deformities, A Non-Randomized Phase IIa Clinical Trial. <i>Cell Journal</i> , 2020 , 22, 75-84	2.4	1
307	Applicability of Hyaluronic Acid-Alginate Hydrogel and Ovarian Cells for In Vitro Development of Mouse Preantral Follicles. <i>Cell Journal</i> , 2020 , 22, 49-60	2.4	1
306	Effects of Alginate Concentration and Ovarian Cells on In Vitro Development of Mouse Preantral Follicles: A Factorial Study. <i>International Journal of Fertility & Sterility</i> , 2020 , 13, 330-338	1.9	8
305	Tissue Engineering in Liver Regenerative Medicine: Insights into Novel Translational Technologies. <i>Cells</i> , 2020 , 9,	7.9	31
304	Human embryonic stem cell-derived mesenchymal stem cells improved premature ovarian failure. <i>World Journal of Stem Cells</i> , 2020 , 12, 857-878	5.6	16
303	Suppression of p38-MAPK endows endoderm propensity to human embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 527, 811-817	3.4	1
302	Hsa-miR-3658 down-regulates OCT4 gene expression followed by suppressing SW480 cell proliferation and migration. <i>Biochemical Journal</i> , 2020 , 477, 2281-2293	3.8	2
301	Design and characterization of an electroconductive scaffold for cardiomyocytes based biomedical assays. <i>Materials Science and Engineering C</i> , 2020 , 109, 110603	8.3	18
300	Assessment of the Efficacy of Tributylammonium Alginate Surface-Modified Polyurethane as an Antibacterial Elastomeric Wound Dressing for both Noninfected and Infected Full-Thickness Wounds. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 3393-3406	9.5	15

299	An Overview of Extrinsic and Intrinsic Mechanisms Involved in Astrocyte Development in the Central Nervous System. <i>Stem Cells and Development</i> , 2020 , 29, 266-280	4.4	4
298	Chitosan surface modified hydrogel as a therapeutic contact lens. <i>Polymers for Advanced Technologies</i> , 2020 , 31, 741-748	3.2	10
297	MicroRNA profiling reveals important functions of miR-125b and let-7a during human retinal pigment epithelial cell differentiation. <i>Experimental Eye Research</i> , 2020 , 190, 107883	3.7	11
296	Autoimmunity as a target for chimeric immune receptor therapy: A new vision to therapeutic potential. <i>Blood Reviews</i> , 2020 , 41, 100645	11.1	12
295	Generation of Transplantable Three-Dimensional Hepatic-Patch to Improve the Functionality of Hepatic Cells In Vitro and In Vivo. <i>Stem Cells and Development</i> , 2020 , 29, 301-313	4.4	9
294	Generation of Scalable Hepatic Micro-Tissues as a Platform for Toxicological Studies. <i>Tissue Engineering and Regenerative Medicine</i> , 2020 , 17, 459-475	4.5	4
293	Dissolved oxygen concentration regulates human hepatic organoid formation from pluripotent stem cells in a fully controlled bioreactor. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 3739-3756	4.9	6
292	The Dynamic Proteome of Oligodendrocyte Lineage Differentiation Features Planar Cell Polarity and Macroautophagy Pathways. <i>GigaScience</i> , 2020 , 9,	7.6	2
291	Proteome analysis of endometrial tissue from patients with PCOS reveals proteins predicted to impact the disease. <i>Molecular Biology Reports</i> , 2020 , 47, 8763-8774	2.8	5
290	Human Proteome Project and Human Pluripotent Stem Cells: Odd Bedfellows or a Perfect Match?. <i>Journal of Proteome Research</i> , 2020 , 19, 4747-4753	5.6	1
289	Therapeutic modalities and novel approaches in regenerative medicine for COVID-19. <i>International Journal of Antimicrobial Agents</i> , 2020 , 56, 106208	14.3	15
288	Vascular endothelial growth factor sustained delivery augmented cell therapy outcomes of cardiac progenitor cells for myocardial infarction. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020 , 14, 1939-1944	4.4	2
287	Acquisition of chromosome 1q duplication in parental and genome-edited human-induced pluripotent stem cell-derived neural stem cells results in their higher proliferation rate in vitro and in vivo. <i>Cell Proliferation</i> , 2020 , 53, e12892	7.9	2
286	Ethics of research on stem cells and regenerative medicine: ethical guidelines in the Islamic Republic of Iran. <i>Stem Cell Research and Therapy</i> , 2020 , 11, 396	8.3	6
285	Temporal activation of LRH-1 and RAR- α in human pluripotent stem cells induces a functional naïve-like state. <i>EMBO Reports</i> , 2020 , 21, e47533	6.5	3
284	Improving anti-hemolytic, antibacterial and wound healing properties of alginate fibrous wound dressings by exchanging counter-cation for infected full-thickness skin wounds. <i>Materials Science and Engineering C</i> , 2020 , 107, 110321	8.3	25
283	Fabrication of microporous inorganic microneedles by centrifugal casting method for transdermal extraction and delivery. <i>International Journal of Pharmaceutics</i> , 2019 , 558, 299-310	6.5	28
282	Hydrogel-Mediated Sustained Systemic Delivery of Mesenchymal Stem Cell-Derived Extracellular Vesicles Improves Hepatic Regeneration in Chronic Liver Failure. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 37421-37433	9.5	65

281	Down-Regulation of a Male-Specific H3K4 Demethylase, , Impairs Cardiomyocyte Differentiation. <i>Journal of Proteome Research</i> , 2019 , 18, 4277-4282	5.6	11
280	Inhibition of Human Y Chromosome Gene, , Promotes Naïve State of Human Pluripotent Stem Cells. <i>Journal of Proteome Research</i> , 2019 , 18, 4254-4261	5.6	3
279	A testis-derived macroporous 3D scaffold as a platform for the generation of mouse testicular organoids. <i>Biomaterials Science</i> , 2019 , 7, 1422-1436	7.4	36
278	Optogenetics in the Era of Cerebral Organoids. <i>Trends in Biotechnology</i> , 2019 , 37, 1282-1294	15.1	15
277	Prenatal liver stromal cells: Favorable feeder cells for long-term culture of hepatic progenitor cells. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 16624-16633	4.7	3
276	Optimization of miRNA delivery by using a polymeric conjugate based on deoxycholic acid-modified polyethylenimine. <i>International Journal of Pharmaceutics</i> , 2019 , 565, 391-408	6.5	4
275	Combinational therapy of lithium and human neural stem cells in rat spinal cord contusion model. <i>Journal of Cellular Physiology</i> , 2019 , 234, 20742-20754	7	4
274	Deep Learning-Based Proarrhythmia Analysis Using Field Potentials Recorded From Human Pluripotent Stem Cells Derived Cardiomyocytes. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2019 , 7, 1-9	3	4
273	Cardioprotective effects of omega-3 fatty acids and ascorbic acid improve regenerative capacity of embryonic stem cell-derived cardiac lineage cells. <i>BioFactors</i> , 2019 , 45, 427-438	6.1	10
272	Generation of neural stem cells from adult astrocytes by using a single reprogramming factor. <i>Journal of Cellular Physiology</i> , 2019 , 234, 18697-18706	7	6
271	Cannabidiol-loaded microspheres incorporated into osteoconductive scaffold enhance mesenchymal stem cell recruitment and regeneration of critical-sized bone defects. <i>Materials Science and Engineering C</i> , 2019 , 101, 64-75	8.3	19
270	Programming of ES cells and reprogramming of fibroblasts into renal lineage-like cells. <i>Experimental Cell Research</i> , 2019 , 379, 225-234	4.2	2
269	A Possible Neurodegeneration Mechanism Triggered by Diabetes. <i>Trends in Endocrinology and Metabolism</i> , 2019 , 30, 692-700	8.8	11
268	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. <i>Differentiation</i> , 2019 , 109, 1-8	3.5	5
267	Epigenetic reprogramming of primary pancreatic cancer cells counteracts their in vivo tumorigenicity. <i>Oncogene</i> , 2019 , 38, 6226-6239	9.2	13
266	Hsa-miR-335 regulates cardiac mesoderm and progenitor cell differentiation. <i>Stem Cell Research and Therapy</i> , 2019 , 10, 191	8.3	14
265	Transplantation of Mouse Induced Pluripotent Stem Cell-Derived Podocytes in a Mouse Model of Membranous Nephropathy Attenuates Proteinuria. <i>Scientific Reports</i> , 2019 , 9, 15467	4.9	7
264	Expansion of Human Pluripotent Stem Cell-derived Early Cardiovascular Progenitor Cells by a Cocktail of Signaling Factors. <i>Scientific Reports</i> , 2019 , 9, 16006	4.9	7

263	Trichostatin A Promotes the Conversion of Astrocytes to Oligodendrocyte Progenitors in a Defined Culture Medium. <i>Iranian Journal of Pharmaceutical Research</i> , 2019 , 18, 286-295	1.1	3
262	Gene Expression Patterns of Royan Human Embryonic Stem Cells Correlate with Their Propensity and Culture Systems. <i>Cell Journal</i> , 2019 , 21, 290-299	2.4	
261	Immunohistochemical Analysis of LGR5 and TROY Expression in Gastric Carcinogenesis Demonstrates an Inverse Trend. <i>Iranian Biomedical Journal</i> , 2019 , 23, 107-20	2	
260	Autologous Muscle-derived Cell Injection for Treatment of Female Stress Urinary Incontinence: A Single- Arm Clinical Trial with 24-months Follow-Up. <i>Urology Journal</i> , 2019 , 16, 482-487	0.9	4
259	Hydrocortisone Promotes Differentiation of Mouse Embryonic Stem Cell-Derived Definitive Endoderm toward Lung Alveolar Epithelial Cells. <i>Cell Journal</i> , 2019 , 20, 469-476	2.4	2
258	Establishment of A Protocol for In Vitro Culture of Cardiogenic Mesodermal Cells Derived from Human Embryonic Stem Cells. <i>Cell Journal</i> , 2019 , 20, 496-504	2.4	3
257	In Vitro and In Vivo Comparison of Different Types of Rabbit Mesenchymal Stem Cells for Cartilage Repair. <i>Cell Journal</i> , 2019 , 21, 150-160	2.4	7
256	Establishing a new animal model for muscle regeneration studies. <i>Molecular Biology Research Communications</i> , 2019 , 8, 171-179	1.6	2
255	Generation of a Transgenic Zebrafish Model for Pancreatic Beta Cell Regeneration. <i>Galen</i> , 2019 , 8, e1056	0.3	2
254	Establishment of a Transgenic Zebrafish Expressing GFP in the Skeletal Muscle as an Ornamental Fish. <i>Galen</i> , 2019 , 8, e1068	0.3	1
253	Scalable and cost-effective generation of osteogenic micro-tissues through the incorporation of inorganic microparticles within mesenchymal stem cell spheroids. <i>Biofabrication</i> , 2019 , 12, 015021	10.5	8
252	In vivo conversion of rat astrocytes into neuronal cells through neural stem cells in injured spinal cord with a single zinc-finger transcription factor. <i>Stem Cell Research and Therapy</i> , 2019 , 10, 380	8.3	11
251	Suppression of transforming growth factor-beta signaling enhances spermatogonial proliferation and spermatogenesis recovery following chemotherapy. <i>Human Reproduction</i> , 2019 , 34, 2430-2442	5.7	6
250	Hepatocyte growth factor promotes the proliferation of human embryonic stem cell derived retinal pigment epithelial cells. <i>Journal of Cellular Physiology</i> , 2019 , 234, 4256-4266	7	6
249	Human cardiomyocytes undergo enhanced maturation in embryonic stem cell-derived organoid transplants. <i>Biomaterials</i> , 2019 , 192, 537-550	15.6	38
248	Autologous bone marrow-derived CD133 cells with core decompression as a novel treatment method for femoral head osteonecrosis: a pilot study. <i>Cytotherapy</i> , 2019 , 21, 107-112	4.8	9
247	Transition of inner cell mass to embryonic stem cells: mechanisms, facts, and hypotheses. <i>Cellular and Molecular Life Sciences</i> , 2019 , 76, 873-892	10.3	20
246	cis pT231-Tau Drives Neurodegeneration in Bipolar Disorder. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 1214-1221	5.7	12

245	Generation of functional human pancreatic organoids by transplants of embryonic stem cell derivatives in a 3D-printed tissue trapper. <i>Journal of Cellular Physiology</i> , 2019 , 234, 9564-9576	7	21
244	Interaction between mesenchymal stromal cell-derived extracellular vesicles and immune cells by distinct protein content. <i>Journal of Cellular Physiology</i> , 2019 , 234, 8249-8258	7	71
243	Optimizing methods for human testicular tissue cryopreservation and spermatogonial stem cell isolation. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 613-621	4.7	17
242	Synergistic effect of strontium, bioactive glass and nano-hydroxyapatite promotes bone regeneration of critical-sized radial bone defects. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019 , 107, 50-64	3.5	27
241	Research Performance in Stem Cell Science and Regenerative Medicine in Iran: A National Comprehensive Observation. <i>Archives of Iranian Medicine</i> , 2019 , 22, 318-327	2.4	1
240	Prospective Isolation of ISL1 Cardiac Progenitors from Human ESCs for Myocardial Infarction Therapy. <i>Stem Cell Reports</i> , 2018 , 10, 848-859	8	18
239	Stem cells from apical papilla promote differentiation of human pluripotent stem cells towards retinal cells. <i>Differentiation</i> , 2018 , 101, 8-15	3.5	8
238	Strategies for In Vivo Genome Editing in Nondividing Cells. <i>Trends in Biotechnology</i> , 2018 , 36, 770-786	15.1	36
237	In situ formation of interpenetrating polymer network using sequential thermal and click crosslinking for enhanced retention of transplanted cells. <i>Biomaterials</i> , 2018 , 170, 12-25	15.6	38
236	Insufficient Apaf-1 expression in early stages of neural differentiation of human embryonic stem cells might protect them from apoptosis. <i>European Journal of Cell Biology</i> , 2018 , 97, 126-135	6.1	15
235	Intra-articular knee implantation of autologous bone marrow-derived mesenchymal stromal cells in rheumatoid arthritis patients with knee involvement: Results of a randomized, triple-blind, placebo-controlled phase 1/2 clinical trial. <i>Cytotherapy</i> , 2018 , 20, 499-506	4.8	41
234	Effects of various culture conditions on pluripotent stem cell derivation from chick embryos. <i>Journal of Cellular Biochemistry</i> , 2018 , 119, 6325-6336	4.7	8
233	Personalized Cancer Medicine: An Organoid Approach. <i>Trends in Biotechnology</i> , 2018 , 36, 358-371	15.1	116
232	Three-dimensional liver-derived extracellular matrix hydrogel promotes liver organoids function. <i>Journal of Cellular Biochemistry</i> , 2018 , 119, 4320-4333	4.7	60
231	Extracellular vesicles derived from human embryonic stem cell-MSCs ameliorate cirrhosis in thioacetamide-induced chronic liver injury. <i>Journal of Cellular Physiology</i> , 2018 , 233, 9330-9344	7	59
230	Surface modification of poly(2-hydroxyethyl methacrylate) hydrogel for contact lens application. <i>Polymers for Advanced Technologies</i> , 2018 , 29, 1227-1233	3.2	23
229	Efficient and cost-effective generation of hepatocyte-like cells through microparticle-mediated delivery of growth factors in a 3D culture of human pluripotent stem cells. <i>Biomaterials</i> , 2018 , 159, 174-188	15.6	34
228	Developing a Cost-Effective and Scalable Production of Human Hepatic Competent Endoderm from Size-Controlled Pluripotent Stem Cell Aggregates. <i>Stem Cells and Development</i> , 2018 , 27, 262-274	4.4	12

227	In Situ Forming, Cytocompatible, and Self-Recoverable Tough Hydrogels Based on Dual Ionic and Click Cross-Linked Alginate. <i>Biomacromolecules</i> , 2018 , 19, 1646-1662	6.9	52
226	Ameliorating the Effect of Pioglitazone on LPS-Induced Inflammation of Human Oligodendrocyte Progenitor Cells. <i>Cellular and Molecular Neurobiology</i> , 2018 , 38, 517-527	4.6	5
225	In vivo conversion of astrocytes to myelinating cells by miR-302/367 and valproate to enhance myelin repair. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, e462-e472	4.4	29
224	Effect of chemical immobilization of SDF-1 into muscle-derived scaffolds on angiogenesis and muscle progenitor recruitment. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, e438-e450	4.4	14
223	The survey on cellular and tissue-engineered therapies in Europe and neighboring Eurasian countries in 2014 and 2015. <i>Cytotherapy</i> , 2018 , 20, 1-20	4.8	10
222	Reprogramming of somatic cells to induced neural stem cells. <i>Methods</i> , 2018 , 133, 21-28	4.6	10
221	Mesenchymal stem cells seeded onto tissue-engineered osteoinductive scaffolds enhance the healing process of critical-sized radial bone defects in rat. <i>Cell and Tissue Research</i> , 2018 , 374, 63-81	4.2	26
220	Engineering mesenchymal stem cell spheroids by incorporation of mechanoregulator microparticles. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 84, 74-87	4.1	14
219	Tolerance induction by surface immobilization of Jagged-1 for immunoprotection of pancreatic islets. <i>Biomaterials</i> , 2018 , 182, 191-201	15.6	18
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