

Mohammad-Hossein Nasr-Esfahani

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464 papers	9,372 citations	43 h-index	78 g-index
487 ext. papers	10,857 ext. citations	3.2 avg, IF	6.48 L-index

#	Paper	IF	Citations
464	Electrospun poly(epsilon-caprolactone)/gelatin nanofibrous scaffolds for nerve tissue engineering. <i>Biomaterials</i> , 2008 , 29, 4532-9	15.6	916
463	Application of conductive polymers, scaffolds and electrical stimulation for nerve tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2011 , 5, e17-35	4.4	472
462	Radical solutions and cultural problems: could free oxygen radicals be responsible for the impaired development of preimplantation mammalian embryos in vitro?. <i>BioEssays</i> , 1994 , 16, 31-8	4.1	275
461	Electrical stimulation of nerve cells using conductive nanofibrous scaffolds for nerve tissue engineering. <i>Tissue Engineering - Part A</i> , 2009 , 15, 3605-19	3.9	239
460	Bio-functionalized PCL nanofibrous scaffolds for nerve tissue engineering. <i>Materials Science and Engineering C</i> , 2010 , 30, 1129-1136	8.3	153
459	The effect of iron and iron chelators on the in-vitro block to development of the mouse preimplantation embryo: BAT6 a new medium for improved culture of mouse embryos in vitro. <i>Human Reproduction</i> , 1990 , 5, 997-1003	5.7	124
458	Effect of sperm DNA damage and sperm protamine deficiency on fertilization and embryo development post-ICSI. <i>Reproductive BioMedicine Online</i> , 2005 , 11, 198-205	4	115
457	Artificial oocyte activation and intracytoplasmic sperm injection. <i>Fertility and Sterility</i> , 2010 , 94, 520-6	4.8	113
456	Signaling pathways involved in colorectal cancer progression. <i>Cell and Bioscience</i> , 2019 , 9, 97	9.8	108
455	In vitro comparison of egg yolk-based and soybean lecithin-based extenders for cryopreservation of ram semen. <i>Theriogenology</i> , 2010 , 73, 480-7	2.8	104
454	Influence of sperm chromatin anomalies on assisted reproductive technology outcome. <i>Fertility and Sterility</i> , 2009 , 91, 1119-26	4.8	98
453	Transplantation of primed or unprimed mouse embryonic stem cell-derived neural precursor cells improves cognitive function in Alzheimerian rats. <i>Differentiation</i> , 2009 , 78, 59-68	3.5	97
452	Evaluation of sperm selection procedure based on hyaluronic acid binding ability on ICSI outcome. <i>Journal of Assisted Reproduction and Genetics</i> , 2008 , 25, 197-203	3.4	97
451	Fabrication, characterization and cellular compatibility of poly(hydroxy alkanoate) composite nanofibrous scaffolds for nerve tissue engineering. <i>PLoS ONE</i> , 2013 , 8, e57157	3.7	95
450	Fndc5 knockdown significantly decreased neural differentiation rate of mouse embryonic stem cells. <i>Neuroscience</i> , 2013 , 231, 296-304	3.9	91
449	Relation between different human sperm nuclear maturity tests and in vitro fertilization. <i>Journal of Assisted Reproduction and Genetics</i> , 2001 , 18, 219-25	3.4	90
448	Induced in vitro differentiation of neural-like cells from human exfoliated deciduous teeth-derived stem cells. <i>International Journal of Developmental Biology</i> , 2011 , 55, 189-95	1.9	82

447	Effects of glucose, glutamine, ethylenediaminetetraacetic acid and oxygen tension on the concentration of reactive oxygen species and on development of the mouse preimplantation embryo in vitro. <i>Reproduction</i> , 1992 , 96, 219-31	3.8	82
446	Chromomycin A3 staining as a useful tool for evaluation of male fertility. <i>Journal of Assisted Reproduction and Genetics</i> , 2000 , 17, 60-6	3.4	78
445	Globozoospermia is mainly due to DPY19L2 deletion via non-allelic homologous recombination involving two recombination hotspots. <i>Human Molecular Genetics</i> , 2012 , 21, 3695-702	5.6	73
444	Artificial oocyte activation in severe teratozoospermia undergoing intracytoplasmic sperm injection. <i>Fertility and Sterility</i> , 2008 , 90, 2231-7	4.8	72
443	Quantitative analysis of cellular glutathione in early preimplantation mouse embryos developing in vivo and in vitro. <i>Human Reproduction</i> , 1992 , 7, 1281-90	5.7	72
442	Effect of protamine-2 deficiency on ICSI outcome. <i>Reproductive BioMedicine Online</i> , 2004 , 9, 652-8	4	71
441	Effect of human sperm chromatin anomalies on fertilization outcome post-ICSI. <i>Andrologia</i> , 2003 , 35, 238-43	2.4	69
440	Selection of sperm based on combined density gradient and Zeta method may improve ICSI outcome. <i>Human Reproduction</i> , 2009 , 24, 2409-16	5.7	68
439	Relationship between protamine deficiency with fertilization rate and incidence of sperm premature chromosomal condensation post-ICSI. <i>Andrologia</i> , 2004 , 36, 95-100	2.4	66
438	Decisive factors in medical tourism destination choice: A case study of Isfahan, Iran and fertility treatments. <i>Tourism Management</i> , 2011 , 32, 1431-1434	10.8	64
437	miR-141 and miR-200a, Revelation of New Possible Players in Modulation of Th17/Treg Differentiation and Pathogenesis of Multiple Sclerosis. <i>PLoS ONE</i> , 2015 , 10, e0124555	3.7	63
436	Highly degradable porous melt-derived bioactive glass foam scaffolds for bone regeneration. <i>Acta Biomaterialia</i> , 2017 , 57, 449-461	10.8	62
435	The influence of peroxisome proliferator-activated receptor α (PPAR α) ligands on cancer cell tumorigenicity. <i>Gene</i> , 2018 , 649, 14-22	3.8	62
434	Hydrogen peroxide levels in mouse oocytes and early cleavage stage embryos developed in vitro or in vivo. <i>Development (Cambridge)</i> , 1990 , 109, 501-7	6.6	62
433	Diverse roles of fatty acid binding proteins (FABPs) in development and pathogenesis of cancers. <i>Gene</i> , 2018 , 676, 171-183	3.8	57
432	Transplantation of undifferentiated and induced human exfoliated deciduous teeth-derived stem cells promote functional recovery of rat spinal cord contusion injury model. <i>Stem Cells and Development</i> , 2012 , 21, 1794-802	4.4	57
431	Density gradient centrifugation before or after magnetic-activated cell sorting: which technique is more useful for clinical sperm selection?. <i>Journal of Assisted Reproduction and Genetics</i> , 2012 , 29, 31-8	3.4	56
430	Evaluation of zeta and HA-binding methods for selection of spermatozoa with normal morphology, protamine content and DNA integrity. <i>Andrologia</i> , 2010 , 42, 13-9	2.4	55

429	Effects of N-acetyl-cysteine supplementation on sperm quality, chromatin integrity and level of oxidative stress in infertile men. <i>Reproductive Biology and Endocrinology</i> , 2019 , 17, 24	5	54
428	Does PGC1 α /FND5/BDNF Elicit the Beneficial Effects of Exercise on Neurodegenerative Disorders?. <i>NeuroMolecular Medicine</i> , 2016 , 18, 1-15	4.6	54
427	Assisted oocyte activation overcomes fertilization failure in globozoospermic patients regardless of the DPY19L2 status. <i>Human Reproduction</i> , 2013 , 28, 1054-61	5.7	53
426	Peptide functionalized polyhydroxyalkanoate nanofibrous scaffolds enhance Schwann cells activity. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 1559-69	6	51
425	Somatic cell-induced hyperacetylation, but not hypomethylation, positively and reversibly affects the efficiency of in vitro cloned blastocyst production in cattle. <i>Cellular Reprogramming</i> , 2011 , 13, 483-93	3.1	48
424	Differential expression of miR-34a, miR-141, and miR-9 in MPP+-treated differentiated PC12 cells as a model of Parkinson's disease. <i>Gene</i> , 2018 , 662, 54-65	3.8	46
423	Quantitative expression of phospholipase C zeta, as an index to assess fertilization potential of a semen sample. <i>Human Reproduction</i> , 2011 , 26, 2950-6	5.7	45
422	How does transferrin overcome the in vitro block to development of the mouse preimplantation embryo?. <i>Reproduction</i> , 1992 , 96, 41-8	3.8	45
421	Antioxidant supplementation of culture medium during embryo development and/or after vitrification-warming; which is the most important?. <i>Journal of Assisted Reproduction and Genetics</i> , 2009 , 26, 355-64	3.4	43
420	THY1 as a reliable marker for enrichment of undifferentiated spermatogonia in the goat. <i>Theriogenology</i> , 2013 , 80, 923-32	2.8	42
419	DNA hypomethylation predisposes sperm to DNA damage in individuals with varicocele. <i>Systems Biology in Reproductive Medicine</i> , 2015 , 61, 179-86	2.9	42
418	Effects of failed oocyte activation and sperm protamine deficiency on fertilization post-ICSI. <i>Reproductive BioMedicine Online</i> , 2007 , 14, 422-9	4	42
417	Varicolectomy: semen parameters and protamine deficiency. <i>Journal of Developmental and Physical Disabilities</i> , 2009 , 32, 115-22		41
416	Association of vitamin D status with semen quality and reproductive hormones in Iranian subfertile men. <i>Andrology</i> , 2017 , 5, 113-118	4.2	40
415	Does the tissue engineering architecture of poly(3-hydroxybutyrate) scaffold affects cell-material interactions?. <i>Journal of Biomedical Materials Research - Part A</i> , 2012 , 100, 1907-18	5.4	40
414	A fresh look at the male-specific region of the human Y chromosome. <i>Journal of Proteome Research</i> , 2013 , 12, 6-22	5.6	39
413	Fndc5 overexpression facilitated neural differentiation of mouse embryonic stem cells. <i>Cell Biology International</i> , 2015 , 39, 629-37	4.5	39
412	Development of an optimized zona-free method of somatic cell nuclear transfer in the goat. <i>Cellular Reprogramming</i> , 2011 , 13, 157-70	2.1	39

411	Evaluation of HSPA2 in fertile and infertile individuals. <i>Andrologia</i> , 2013 , 45, 66-72	2.4	38
410	Cloned sheep blastocysts derived from oocytes enucleated manually using a pulled pasteur pipette. <i>Cellular Reprogramming</i> , 2013 , 15, 15-23	2.1	38
409	Cotransplantation of human embryonic stem cell-derived neural progenitors and schwann cells in a rat spinal cord contusion injury model elicits a distinct neurogenesis and functional recovery. <i>Cell Transplantation</i> , 2012 , 21, 827-43	4	38
408	Failed fertilization after ICSI and spermiogenic defects. <i>Fertility and Sterility</i> , 2008 , 89, 892-8	4.8	38
407	Differentiation of human embryonic stem cell-derived retinal progenitors into retinal cells by Sonic hedgehog and/or retinal pigmented epithelium and transplantation into the subretinal space of sodium iodate-injected rabbits. <i>Stem Cells and Development</i> , 2012 , 21, 42-53	4.4	37
406	The expression of peroxisomal protein transcripts increased by retinoic acid during neural differentiation. <i>Differentiation</i> , 2011 , 81, 127-32	3.5	36
405	Nuclear transfer technique affects mRNA abundance, developmental competence and cell fate of the reconstituted sheep oocytes. <i>Reproduction</i> , 2013 , 145, 345-55	3.8	34
404	New insights into the cellular activities of Fndc5/Irisin and its signaling pathways. <i>Cell and Bioscience</i> , 2020 , 10, 51	9.8	34
403	New era in sperm selection for ICSI. <i>Journal of Developmental and Physical Disabilities</i> , 2012 , 35, 475-84		33
402	Effect of phosphodiesterase type 3 inhibitor on nuclear maturation and in vitro development of ovine oocytes. <i>Theriogenology</i> , 2013 , 80, 302-12	2.8	33
401	DHR123: an alternative probe for assessment of ROS in human spermatozoa. <i>Systems Biology in Reproductive Medicine</i> , 2012 , 58, 168-74	2.9	33
400	Zaditen (Ketotifen), as mast cell blocker, improves sperm quality, chromatin integrity and pregnancy rate after varicocelelectomy. <i>Journal of Developmental and Physical Disabilities</i> , 2011 , 34, 446-52		33
399	The thickness of electrospun poly (epsilon-caprolactone) nanofibrous scaffolds influences cell proliferation. <i>International Journal of Artificial Organs</i> , 2009 , 32, 150-8	1.9	33
398	Tissue engineering of retina through high resolution 3-dimensional inkjet bioprinting. <i>Biofabrication</i> , 2020 , 12, 025006	10.5	33
397	Health of children born through artificial oocyte activation: a pilot study. <i>Reproductive Sciences</i> , 2015 , 22, 322-8	3	32
396	Effect of varicocelelectomy on sperm functional characteristics and DNA methylation. <i>Andrologia</i> , 2015 , 47, 904-9	2.4	32
395	Effects of different feeder layers on short-term culture of prepubertal bovine testicular germ cells in-vitro. <i>Theriogenology</i> , 2012 , 77, 1519-28	2.8	32
394	Optimized combined electrical-chemical parthenogenetic activation for in vitro matured bovine oocytes. <i>Animal Reproduction Science</i> , 2008 , 108, 122-33	2.1	32

393	Expression of sperm PLC ζ and clinical outcomes of ICSI-AOA in men affected by globozoospermia due to DPY19L2 deletion. <i>Reproductive BioMedicine Online</i> , 2018 , 36, 348-355	4	31
392	N-Acetylcysteine improves oocyte and embryo quality in polycystic ovary syndrome patients undergoing intracytoplasmic sperm injection: an alternative to metformin. <i>Reproduction, Fertility and Development</i> , 2016 , 28, 723-31	1.8	31
391	miR-27a and miR-214 exert opposite regulatory roles in Th17 differentiation via mediating different signaling pathways in peripheral blood CD4+ T lymphocytes of patients with relapsing-remitting multiple sclerosis. <i>Immunogenetics</i> , 2016 , 68, 43-54	3.2	31
390	Can Vero cell co-culture improve in-vitro maturation of bovine oocytes?. <i>Reproductive BioMedicine Online</i> , 2006 , 13, 404-11	4	31
389	Activated platelet-rich plasma improves cartilage regeneration using adipose stem cells encapsulated in a 3D alginate scaffold. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 1327-1338	4.4	30
388	Exposure to DNA is insufficient for in vitro transgenesis of live bovine sperm and embryos. <i>Reproduction</i> , 2013 , 145, 97-108	3.8	30
387	Differentiation of embryonic stem cells to cardiomyocytes on electrospun nanofibrous substrates. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014 , 102, 447-54	3.5	30
386	Novel method to obtain highly enriched cultures of adult rat Schwann cells. <i>Biotechnology Letters</i> , 2010 , 32, 781-6	3	30
385	Short-term in-vitro culture of goat enriched spermatogonial stem cells using different serum concentrations. <i>Journal of Assisted Reproduction and Genetics</i> , 2012 , 29, 39-46	3.4	29
384	Sperm MTT viability assay: a new method for evaluation of human sperm viability. <i>Journal of Assisted Reproduction and Genetics</i> , 2002 , 19, 477-82	3.4	29
383	Comparison of triamcinolone acetonide mucoadhesive film with licorice mucoadhesive film on radiotherapy-induced oral mucositis: A randomized double-blinded clinical trial. <i>Asia-Pacific Journal of Clinical Oncology</i> , 2017 , 13, e48-e56	1.9	28
382	A ternary nanofibrous scaffold potential for central nerve system tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 2394-2401	5.4	28
381	Bio-engineered electrospun nanofibrous membranes using cartilage extracellular matrix particles. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 765-776	7.3	27
380	Analysis of the expression of mir-34a, mir-199a, mir-30c and mir-19a in peripheral blood CD4+T lymphocytes of relapsing-remitting multiple sclerosis patients. <i>Gene</i> , 2018 , 659, 109-117	3.8	27
379	Epigenetic modification with trichostatin A does not correct specific errors of somatic cell nuclear transfer at the transcriptomic level; highlighting the non-random nature of oocyte-mediated reprogramming errors. <i>BMC Genomics</i> , 2016 , 17, 16	4.5	27
378	Evaluation of heat-shock protein A2 (HSPA2) in male rats before and after varicocele induction. <i>Molecular Reproduction and Development</i> , 2014 , 81, 766-76	2.6	27
377	The influence of peroxisome proliferator-activated receptor γ 1 during differentiation of mouse embryonic stem cells to neural cells. <i>Differentiation</i> , 2012 , 83, 60-7	3.5	27
376	A template matching algorithm for sperm tracking and classification. <i>Physiological Measurement</i> , 2005 , 26, 639-51	2.9	27

375	Induced expression of Fndc5 significantly increased cardiomyocyte differentiation rate of mouse embryonic stem cells. <i>Gene</i> , 2014 , 551, 127-37	3.8	26
374	Can permeable super oxide dismutase mimetic agents improve the quality of frozen-thawed ram semen?. <i>Cryobiology</i> , 2013 , 66, 126-30	2.7	26
373	MicroRNA and Male Infertility: A Potential for Diagnosis. <i>International Journal of Fertility & Sterility</i> , 2014 , 8, 113-8	1.9	26
372	Development of a Highly Proliferated Bilayer Coating on 316L Stainless Steel Implants. <i>Polymers</i> , 2020 , 12,	4.5	25
371	Improved in vitro development of cloned bovine embryos using S-adenosylhomocysteine, a non-toxic epigenetic modifying reagent. <i>Molecular Reproduction and Development</i> , 2011 , 78, 576-84	2.6	25
370	Embryonic stem cell-derived cardiomyocytes as a model system to study cardioprotective effects of dexamethasone in doxorubicin cardiotoxicity. <i>Toxicology in Vitro</i> , 2009 , 23, 1422-8	3.6	25
369	A Preliminary Study: N-acetyl-L-cysteine Improves Semen Quality Following Varicocelelectomy. <i>International Journal of Fertility & Sterility</i> , 2016 , 10, 120-6	1.9	25
368	Expression profile of PLC β PAWP, and TR-KIT in association with fertilization potential, embryo development, and pregnancy outcomes in globozoospermic candidates for intra-cytoplasmic sperm injection and artificial oocyte activation. <i>Andrology</i> , 2016 , 4, 850-6	4.2	24
367	Characterization of the stemness potency of isolated from the breast cancer cell lines. <i>Tumor Biology</i> , 2019 , 41, 1010428319869101	2.9	24
366	Addition of Tempol in semen cryopreservation medium improves the post-thaw sperm function. <i>Systems Biology in Reproductive Medicine</i> , 2014 , 60, 245-50	2.9	24
365	Stem cell therapy in amyotrophic lateral sclerosis. <i>Journal of Clinical Neuroscience</i> , 2013 , 20, 1659-63	2.2	24
364	Is there an association between HOST grades and sperm quality?. <i>Human Reproduction</i> , 2012 , 27, 2277-84	3.7	24
363	Evaluation of ubiquitin and annexin V in sperm population selected based on density gradient centrifugation and zeta potential (DGC-Zeta). <i>Journal of Assisted Reproduction and Genetics</i> , 2012 , 29, 365-71	3.4	24
362	Unexpected detrimental effect of Insulin like growth factor-1 on bovine oocyte developmental competence under heat stress. <i>Journal of Assisted Reproduction and Genetics</i> , 2009 , 26, 605-11	3.4	24
361	ERK1/2 is a key regulator of Fndc5 and PGC1 α expression during neural differentiation of mESCs. <i>Neuroscience</i> , 2015 , 297, 252-61	3.9	23
360	A comparative study on the effects of high-fat diet and endurance training on the PGC-1 β /FND5/irisin pathway in obese and nonobese male C57BL/6 mice. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018 , 43, 651-662	3	22
359	Nanosized aptameric cavities imprinted on the surface of magnetic nanoparticles for high-throughput protein recognition. <i>Mikrochimica Acta</i> , 2018 , 185, 241	5.8	22
358	Embryonic Stem Cell Differentiation to Cardiomyocytes on Nanostructured Scaffolds for Myocardial Tissue Regeneration. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014 , 63, 240-245	3	22

357	Improved bovine ICSI outcomes by sperm selected after combined heparin-glutathione treatment. <i>Cellular Reprogramming</i> , 2012 , 14, 295-304	2.1	22
356	Super magnetic nanoparticles NiFe ₂ O ₄ , coated with aluminum-nickel oxide sol-gel lattices to safe, sensitive and selective purification of his-tagged proteins. <i>Protein Expression and Purification</i> , 2016 , 121, 52-60	2	21
355	Downregulation of miR-130a, antagonized doxorubicin-induced cardiotoxicity via increasing the PPAR α expression in mESCs-derived cardiac cells. <i>Cell Death and Disease</i> , 2018 , 9, 758	9.8	21
354	In vivo integration of poly(ϵ -caprolactone)/gelatin nanofibrous nerve guide seeded with teeth derived stem cells for peripheral nerve regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 4554-67	5.4	21
353	Conservation cloning of vulnerable Esfahan mouflon (<i>Ovis orientalis isphahanica</i>): in vitro and in vivo studies. <i>European Journal of Wildlife Research</i> , 2011 , 57, 959-969	2	21
352	miR-34a/BCL-2 signaling axis contributes to apoptosis in MPP -induced SH-SY5Y cells. <i>Molecular Genetics & Genomic Medicine</i> , 2018 , 6, 975-981	2.3	21
351	Integrative Analysis of lncRNAs in Th17 Cell Lineage to Discover New Potential Biomarkers and Therapeutic Targets in Autoimmune Diseases. <i>Molecular Therapy - Nucleic Acids</i> , 2018 , 12, 393-404	10.7	20
350	Effect of donor cell type and gender on the efficiency of in vitro sheep somatic cell cloning. <i>Small Ruminant Research</i> , 2008 , 78, 162-168	1.7	20
349	Hypoxia pathway has more impact than inflammation pathway on etiology of infertile men with varicocele. <i>Andrologia</i> , 2019 , 51, e13189	2.4	20
348	Mechanistic Pathways of Malignancy in Breast Cancer Stem Cells. <i>Frontiers in Oncology</i> , 2020 , 10, 452	5.3	19
347	Analysis of genetic and virulence variability of <i>Stemphylium lycopersici</i> associated with leaf spot of vegetable crops. <i>European Journal of Plant Pathology</i> , 2014 , 140, 261-273	2.1	19
346	Zeta potential vs apoptotic marker: which is more suitable for ICSI sperm selection?. <i>Journal of Assisted Reproduction and Genetics</i> , 2013 , 30, 1181-6	3.4	19
345	Kit ligand and glial-derived neurotrophic factor as alternative supplements for activation and development of ovine preantral follicles in vitro. <i>Molecular Reproduction and Development</i> , 2013 , 80, 35-47	2.6	19
344	Importance of the GDF9 signaling pathway on cumulus cell expansion and oocyte competency in sheep. <i>Theriogenology</i> , 2013 , 80, 470-8	2.8	19
343	Resveratrol promotes human embryonic stem cells self-renewal by targeting SIRT1-ERK signaling pathway. <i>European Journal of Cell Biology</i> , 2017 , 96, 665-672	6.1	19
342	Potential applications of sheep oocytes as affected by vitrification and in vitro aging. <i>Theriogenology</i> , 2012 , 77, 1741-53	2.8	19
341	Sperm DNA damage and its relation with leukocyte DNA damage. <i>Reproductive Toxicology</i> , 2010 , 29, 120-4	3.4	19
340	Reduced sperm telomere length in individuals with varicocele is associated with reduced genomic integrity. <i>Scientific Reports</i> , 2019 , 9, 4336	4.9	18

339	One-carbon cycle support rescues sperm damage in experimentally induced varicocele in rats. <i>BJU International</i> , 2018 , 122, 480-489	5.6	18
338	Mesoporous bioactive glasses for the combined application of osteosarcoma treatment and bone regeneration. <i>Materials Science and Engineering C</i> , 2019 , 104, 109994	8.3	18
337	The interfering effects of superovulation and vitrification upon some important epigenetic biomarkers in mouse blastocyst. <i>Cryobiology</i> , 2014 , 69, 419-27	2.7	18
336	Peroxisome proliferator activated receptor gamma (PPAR γ) as a therapeutic target for improvement of cognitive performance in Fragile-X. <i>Medical Hypotheses</i> , 2014 , 82, 291-4	3.8	18
335	Enhanced expression of FNDC5 in human embryonic stem cell-derived neural cells along with relevant embryonic neural tissues. <i>Gene</i> , 2015 , 557, 123-9	3.8	18
334	Effect of Nanoporous Fibers on Growth and Proliferation of Cells on Electrospun Poly (ϵ -caprolactone) Scaffolds. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014 , 63, 57-64	3	18
333	Toxicity of ecstasy (MDMA) towards embryonic stem cell-derived cardiac and neural cells. <i>Toxicology in Vitro</i> , 2010 , 24, 1133-8	3.6	18
332	Sperm status and DNA dose play key roles in sperm/ICSI-mediated gene transfer in caprine. <i>Molecular Reproduction and Development</i> , 2010 , 77, 868-75	2.6	18
331	Effect of lead on proliferation and neural differentiation of mouse bone marrow-mesenchymal stem cells. <i>Toxicology in Vitro</i> , 2008 , 22, 995-1001	3.6	18
330	The effect of macrophage stimulation on the uptake of acetylated low-density lipoproteins. <i>Lipids and Lipid Metabolism</i> , 1989 , 1005, 196-200		18
329	Clinical outcomes of magnetic activated sperm sorting in infertile men candidate for ICSI. <i>Human Fertility</i> , 2019 , 22, 118-125	1.9	18
328	Relationship between phospholipase C-zeta, semen parameters, and chromatin status. <i>Systems Biology in Reproductive Medicine</i> , 2017 , 63, 259-268	2.9	17
327	The effects of lycopene supplement on the spermatogram and seminal oxidative stress in infertile men: A randomized, double-blind, placebo-controlled clinical trial. <i>Phytotherapy Research</i> , 2019 , 33, 3203-3211	6.7	17
326	Developmental competence of ovine oocytes after vitrification: differential effects of vitrification steps, embryo production methods, and parental origin of pronuclei. <i>Theriogenology</i> , 2015 , 83, 366-76	2.8	17
325	Electroconductive Graphene-Containing Polymeric Patch: A Promising Platform for Future Cardiac Repair. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 4214-4224	5.5	17
324	Nurr1 and PPAR γ protect PC12 cells against MPP(+) toxicity: involvement of selective genes, anti-inflammatory, ROS generation, and antimitochondrial impairment. <i>Molecular and Cellular Biochemistry</i> , 2016 , 420, 29-42	4.2	17
323	Modulation in miR-200a/SIRT1 axis is associated with apoptosis in MPP-induced SH-SY5Y cells. <i>Gene</i> , 2018 , 674, 25-30	3.8	17
322	Simple, fast, and efficient method of manual oocyte enucleation using a pulled Pasteur pipette. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2013 , 49, 569-75	2.6	17

- 321 Comparative dynamics of 5-methylcytosine reprogramming and TET family expression during preimplantation mammalian development in mouse and sheep. *Theriogenology*, **2017**, 89, 86-96 2.8 17
- 320 Interspecies somatic cell nuclear transfer in Asiatic cheetah using nuclei derived from post-mortem frozen tissue in absence of cryo-protectant and in vitro matured domestic cat oocytes. *Theriogenology*, **2017**, 90, 197-203 2.8 17
- 319 The effect of superoxide dismutase mimetic and catalase on the quality of postthawed goat semen. *Theriogenology*, **2015**, 83, 1321-7 2.8 17
- 318 Time dependent effect of post warming interval on microtubule organization, meiotic status, and parthenogenetic activation of vitrified in vitro matured sheep oocytes. *Theriogenology*, **2011**, 75, 904-10 2.8 17
- 317 Role of non-coding RNAs as novel biomarkers for detection of colorectal cancer progression through interaction with the cell signaling pathways. *Gene*, **2020**, 753, 144796 3.8 17
- 316 Ferulic Acid exerts concentration-dependent anti-apoptotic and neuronal differentiation-inducing effects in PC12 and mouse neural stem cells. *European Journal of Pharmacology*, **2018**, 841, 104-112 5.3 17
- 315 Selective chemotherapy and imaging of colorectal and breast cancer cells by a modified MUC-1 aptamer conjugated to a poly(ethylene glycol)-dimethacrylate coated Fe₃O₄@AuNCs nanocomposite. *New Journal of Chemistry*, **2019**, 43, 238-248 3.6 16
- 314 Glial cell line-derived neurotrophic factor in combination with insulin-like growth factor 1 and basic fibroblast growth factor promote in vitro culture of goat spermatogonial stem cells. *Growth Factors*, **2015**, 33, 181-91 1.6 16
- 313 Design of hydrogel-based scaffolds for the treatment of spinal cord injuries. *Journal of Materials Chemistry B*, **2020**, 8, 10712-10738 7.3 16
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