

Mohammad-Hossein Nasr-Esfahani

List of Publications by Year in descending order

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476
papers

12,622
citations

41344

49
h-index

49909

87
g-index

500
all docs

500
docs citations

500
times ranked

14529
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrospun poly(ϵ -caprolactone)/gelatin nanofibrous scaffolds for nerve tissue engineering. <i>Biomaterials</i> , 2008, 29, 4532-4539.	11.4	1,049
2	Application of conductive polymers, scaffolds and electrical stimulation for nerve tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2011, 5, e17-e35.	2.7	559
3	Radical solutions and cultural problems: Could free oxygen radicals be responsible for the impaired development of preimplantation mammalian embryos invitro?. <i>BioEssays</i> , 1994, 16, 31-38.	2.5	311
4	Electrical Stimulation of Nerve Cells Using Conductive Nanofibrous Scaffolds for Nerve Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2009, 15, 3605-3619.	3.1	277
5	Signaling pathways involved in colorectal cancer progression. <i>Cell and Bioscience</i> , 2019, 9, 97.	4.8	226
6	Bio-functionalized PCL nanofibrous scaffolds for nerve tissue engineering. <i>Materials Science and Engineering C</i> , 2010, 30, 1129-1136.	7.3	184
7	In vitro comparison of egg yolkâ€‘based and soybean lecithinâ€‘based extenders for cryopreservation of ram semen. <i>Theriogenology</i> , 2010, 73, 480-487.	2.1	146
8	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.	0.9	138
9	Artificial oocyte activation and intracytoplasmic sperm injection. <i>Fertility and Sterility</i> , 2010, 94, 520-526.	1.0	137
10	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.	2.4	125
11	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.	1.9	124
12	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.	2.5	120
13	Influence of sperm chromatin anomalies on assisted reproductive technology outcome. <i>Fertility and Sterility</i> , 2009, 91, 1119-1126.	1.0	113
14	Fndc5 knockdown significantly decreased neural differentiation rate of mouse embryonic stem cells. <i>Neuroscience</i> , 2013, 231, 296-304.	2.3	113
15	Fabrication, Characterization and Cellular Compatibility of Poly(Hydroxy Alkanoate) Composite Nanofibrous Scaffolds for Nerve Tissue Engineering. <i>PLoS ONE</i> , 2013, 8, e57157.	2.5	113
16	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, 219-231.	2.6	112
17	Globozoospermia is mainly due to DPY19L2 deletion via non-allelic homologous recombination involving two recombination hotspots. <i>Human Molecular Genetics</i> , 2012, 21, 3695-3702.	2.9	100
18	Relation between different human sperm nuclear maturity tests and in vitro fertilization. <i>Journal of Assisted Reproduction and Genetics</i> , 2001, 18, 221-227.	2.5	99

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19	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, 189-195.	0.6	98
20	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.	3.3	96
21	Chromomycin A3 staining as a useful tool for evaluation of male fertility. <i>Journal of Assisted Reproduction and Genetics</i> , 2000, 17, 60-66.	2.5	93
22	Diverse roles of fatty acid binding proteins (FABPs) in development and pathogenesis of cancers. <i>Gene</i> , 2018, 676, 171-183.	2.2	93
23	The influence of peroxisome proliferator-activated receptor $\hat{1}^3$ (PPAR $\hat{1}^3$) ligands on cancer cell tumorigenicity. <i>Gene</i> , 2018, 649, 14-22.	2.2	92
24	Stem cell therapy in amyotrophic lateral sclerosis. <i>Journal of Clinical Neuroscience</i> , 2013, 20, 1659-1663.	1.5	89
25	Selection of sperm based on combined density gradient and Zeta method may improve ICSI outcome. <i>Human Reproduction</i> , 2009, 24, 2409-2416.	0.9	87
26	Effect of protamine-2 deficiency on ICSI outcome. <i>Reproductive BioMedicine Online</i> , 2004, 9, 652-658.	2.4	86
27	Artificial oocyte activation in severe teratozoospermia undergoing intracytoplasmic sperm injection. <i>Fertility and Sterility</i> , 2008, 90, 2231-2237.	1.0	86
28	Highly degradable porous melt-derived bioactive glass foam scaffolds for bone regeneration. <i>Acta Biomaterialia</i> , 2017, 57, 449-461.	8.3	84
29	Decisive factors in medical tourism destination choice: A case study of Isfahan, Iran and fertility treatments. <i>Tourism Management</i> , 2011, 32, 1431-1434.	9.8	80
30	New insights into the cellular activities of Fndc5/Irisin and its signaling pathways. <i>Cell and Bioscience</i> , 2020, 10, 51.	4.8	80
31	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, 1794-1802.	2.1	79
32	Quantitative analysis of cellular glutathione in early preimplantation mouse embryos developing in vivo and in vitro. <i>Human Reproduction</i> , 1992, 7, 1281-1290.	0.9	77
33	Effect of human sperm chromatin anomalies on fertilization outcome post-ICSI. <i>Andrologia</i> , 2003, 35, 238-243.	2.1	77
34	Relationship between protamine deficiency with fertilization rate and incidence of sperm premature chromosomal condensation post-ICSI. <i>Andrologia</i> , 2004, 36, 95-100.	2.1	72
35	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.	2.5	70
36	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.	2.2	70

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37	Evaluation of zeta and HA-binding methods for selection of spermatozoa with normal morphology, protamine content and DNA integrity. <i>Andrologia</i> , 2010, 42, 13-19.	2.1	67
38	Assisted oocyte activation overcomes fertilization failure in globozoospermic patients regardless of the DPY19L2 status. <i>Human Reproduction</i> , 2013, 28, 1054-1061.	0.9	67
39	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.	2.5	67
40	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, 31-38.	2.5	65
41	How does transferrin overcome the in vitro block to development of the mouse preimplantation embryo?. <i>Reproduction</i> , 1992, 96, 41-48.	2.6	63
42	Quantitative expression of phospholipase C zeta, as an index to assess fertilization potential of a semen sample. <i>Human Reproduction</i> , 2011, 26, 2950-2956.	0.9	63
43	Does PGC1 α /FND5/BDNF Elicit the Beneficial Effects of Exercise on Neurodegenerative Disorders?. <i>NeuroMolecular Medicine</i> , 2016, 18, 1-15.	3.4	63
44	Association of vitamin D status with semen quality and reproductive hormones in Iranian subfertile men. <i>Andrologia</i> , 2017, 5, 113-118.	3.5	60
45	Peptide functionalized polyhydroxyalkanoate nanofibrous scaffolds enhance Schwann cells activity. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 1559-1569.	3.3	59
46	Tissue engineering of retina through high resolution 3-dimensional inkjet bioprinting. <i>Biofabrication</i> , 2020, 12, 025006.	7.1	59
47	DNA hypomethylation predisposes sperm to DNA damage in individuals with varicocele. <i>Systems Biology in Reproductive Medicine</i> , 2015, 61, 179-186.	2.1	56
48	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, 355-364.	2.5	53
49	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, 483-493.	0.9	52
50	Evaluation of HSPA2 in fertile and infertile individuals. <i>Andrologia</i> , 2013, 45, 66-72.	2.1	52
51	A Fresh Look at the Male-specific Region of the Human Y Chromosome. <i>Journal of Proteome Research</i> , 2013, 12, 6-22.	3.7	52
52	THY1 as a reliable marker for enrichment of undifferentiated spermatogonia in the goat. <i>Theriogenology</i> , 2013, 80, 923-932.	2.1	51
53	Effects of failed oocyte activation and sperm protamine deficiency on fertilization post-ICSI. <i>Reproductive BioMedicine Online</i> , 2007, 14, 422-429.	2.4	48
54	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.	2.4	47

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55	Failed fertilization after ICSI and spermiogenic defects. <i>Fertility and Sterility</i> , 2008, 89, 892-898.	1.0	46
56	Varicocelectomy: semen parameters and protamine deficiency. <i>Journal of Developmental and Physical Disabilities</i> , 2009, 32, 115-122.	3.6	46
57	<i>Fndc5</i> overexpression facilitated neural differentiation of mouse embryonic stem cells. <i>Cell Biology International</i> , 2015, 39, 629-637.	3.0	46
58	Zaditen (Ketotifen), as mast cell blocker, improves sperm quality, chromatin integrity and pregnancy rate after varicocelectomy. <i>Journal of Developmental and Physical Disabilities</i> , 2011, 34, 446-452.	3.6	45
59	DHR123: an alternative probe for assessment of ROS in human spermatozoa. <i>Systems Biology in Reproductive Medicine</i> , 2012, 58, 168-174.	2.1	45
60	Does the tissue engineering architecture of poly(3-hydroxybutyrate) scaffold affects cell-material interactions?. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 1907-1918.	4.0	45
61	Cloned Sheep Blastocysts Derived from Oocytes Enucleated Manually Using a Pulled Pasteur Pipette. <i>Cellular Reprogramming</i> , 2013, 15, 15-23.	0.9	45
62	Development of an Optimized Zona-Free Method of Somatic Cell Nuclear Transfer in the Goat. <i>Cellular Reprogramming</i> , 2011, 13, 157-170.	0.9	44
63	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, 827-843.	2.5	43
64	Sperm MTT viability assay: a new method for evaluation of human sperm viability. <i>Journal of Assisted Reproduction and Genetics</i> , 2002, 19, 477-482.	2.5	42
65	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.	2.1	42
66	Effect of varicocelectomy on sperm functional characteristics and DNA methylation. <i>Andrologia</i> , 2014, 47, n/a-n/a.	2.1	42
67	New era in sperm selection for ICSI. <i>Journal of Developmental and Physical Disabilities</i> , 2012, 35, 475-484.	3.6	41
68	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.	2.8	41
69	Development of a Highly Proliferated Bilayer Coating on 316L Stainless Steel Implants. <i>Polymers</i> , 2020, 12, 1022.	4.5	41
70	The expression of peroxisomal protein transcripts increased by retinoic acid during neural differentiation†. <i>Differentiation</i> , 2011, 81, 127-132.	1.9	40
71	Health of Children Born Through Artificial Oocyte Activation. <i>Reproductive Sciences</i> , 2015, 22, 322-328.	2.5	40
72	Bio-engineered electrospun nanofibrous membranes using cartilage extracellular matrix particles. <i>Journal of Materials Chemistry B</i> , 2017, 5, 765-776.	5.8	40

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73	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.	0.4	39
74	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.	2.4	39
75	Chitosan/polycaprolactone multilayer hydrogel: A sustained Kartogenin delivery model for cartilage regeneration. <i>International Journal of Biological Macromolecules</i> , 2021, 177, 589-600.	7.5	39
76	The Thickness of Electrospun Poly (μ -Caprolactone) Nanofibrous Scaffolds Influences Cell Proliferation. <i>International Journal of Artificial Organs</i> , 2009, 32, 150-158.	1.4	38
77	—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.	1.4	38
78	Effect of phosphodiesterase type 3 inhibitor on nuclear maturation and in vitro development of ovine oocytes. <i>Theriogenology</i> , 2013, 80, 302-312.	2.1	38
79	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.	2.7	38
80	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.	2.2	38
81	Characterization of the stemness potency of mammospheres isolated from the breast cancer cell lines. <i>Tumor Biology</i> , 2019, 41, 101042831986910.	1.8	38
82	Receptor for Advanced Glycation End Products Acts as a Fuel to Colorectal Cancer Development. <i>Frontiers in Oncology</i> , 2020, 10, 552283.	2.8	38
83	Expression profile of PLC γ , 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, 850-856.	3.5	37
84	Design of hydrogel-based scaffolds for the treatment of spinal cord injuries. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10712-10738.	5.8	37
85	Mechanistic Pathways of Malignancy in Breast Cancer Stem Cells. <i>Frontiers in Oncology</i> , 2020, 10, 452.	2.8	37
86	Effects of different feeder layers on short-term culture of prepubertal bovine testicular germ cells In-vitro. <i>Theriogenology</i> , 2012, 77, 1519-1528.	2.1	36
87	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.	2.5	36
88	Nuclear transfer technique affects mRNA abundance, developmental competence and cell fate of the reconstituted sheep oocytes. <i>Reproduction</i> , 2013, 145, 345-355.	2.6	36
89	Can Vero cell co-culture improve in-vitro maturation of bovine oocytes?. <i>Reproductive BioMedicine Online</i> , 2006, 13, 404-411.	2.4	35
90	A ternary nanofibrous scaffold potential for central nerve system tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 2394-2401.	4.0	35

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91	Mesoporous bioactive glasses for the combined application of osteosarcoma treatment and bone regeneration. <i>Materials Science and Engineering C</i> , 2019, 104, 109994.	7.3	35
92	Optimized combined electrical-chemical parthenogenetic activation for in vitro matured bovine oocytes. <i>Animal Reproduction Science</i> , 2008, 108, 122-133.	1.5	34
93	The influence of peroxisome proliferator-activated receptor β 1 during differentiation of mouse embryonic stem cells to neural cells. <i>Differentiation</i> , 2012, 83, 60-67.	1.9	34
94	Exposure to DNA is insufficient for in vitro transgenesis of live bovine sperm and embryos. <i>Reproduction</i> , 2013, 145, 97-108.	2.6	34
95	Differentiation of embryonic stem cells to cardiomyocytes on electrospun nanofibrous substrates. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014, 102, 447-454.	3.4	34
96	Comparison of triamcinolone acetonide mucoadhesive film with licorice mucoadhesive film on radiotherapy-induced oral mucositis: A randomized double-blind clinical trial. <i>Asia-Pacific Journal of Clinical Oncology</i> , 2017, 13, e48-e56.	1.1	34
97	Ferulic Acid exerts concentration-dependent anti-apoptotic and neuronal differentiation-inducing effects in PC12 and mouse neural stem cells. <i>European Journal of Pharmacology</i> , 2018, 841, 104-112.	3.5	34
98	Relationship between sperm telomere length and sperm quality in infertile men. <i>Andrologia</i> , 2020, 52, e13546.	2.1	34
99	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, 365-371.	2.5	33
100	Can permeable super oxide dismutase mimetic agents improve the quality of frozen-thawed ram semen?. <i>Cryobiology</i> , 2013, 66, 126-130.	0.7	33
101	Reduced sperm telomere length in individuals with varicocele is associated with reduced genomic integrity. <i>Scientific Reports</i> , 2019, 9, 4336.	3.3	33
102	Electroconductive Graphene-Containing Polymeric Patch: A Promising Platform for Future Cardiac Repair. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 4214-4224.	5.2	33
103	A template matching algorithm for sperm tracking and classification. <i>Physiological Measurement</i> , 2005, 26, 639-651.	2.1	32
104	Is there an association between HOST grades and sperm quality?. <i>Human Reproduction</i> , 2012, 27, 2277-2284.	0.9	32
105	Evaluation of heat shock protein A2 (HSPA2) in male rats before and after varicocele induction. <i>Molecular Reproduction and Development</i> , 2014, 81, 766-776.	2.0	32
106	A comparative study on the effects of high-fat diet and endurance training on the PGC-1 β -FNDC5/irisin pathway in obese and nonobese male C57BL/6 mice. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018, 43, 651-662.	1.9	32
107	Nanosized aptameric cavities imprinted on the surface of magnetic nanoparticles for high-throughput protein recognition. <i>Mikrochimica Acta</i> , 2018, 185, 241.	5.0	32
108	A Preliminary Study: N-acetyl-L-cysteine Improves Semen Quality following Varicocelectomy. <i>International Journal of Fertility & Sterility</i> , 2016, 10, 120-6.	0.2	32

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109	Novel method to obtain highly enriched cultures of adult rat Schwann cells. <i>Biotechnology Letters</i> , 2010, 32, 781-786.	2.2	31
110	Addition of Tempol in semen cryopreservation medium improves the post-thaw sperm function. <i>Systems Biology in Reproductive Medicine</i> , 2014, 60, 245-250.	2.1	31
111	Modulation in miR-200a/SIRT1 axis is associated with apoptosis in MPP ⁺ -induced SH-SY5Y cells. <i>Gene</i> , 2018, 674, 25-30.	2.2	31
112	Downregulation of miR-130a, antagonized doxorubicin-induced cardiotoxicity via increasing the PPAR ^γ expression in mESCs-derived cardiac cells. <i>Cell Death and Disease</i> , 2018, 9, 758.	6.3	31
113	Genetic and virulence variation in <i>Fusarium oxysporum</i> f. sp. <i>cepae</i> causing root and basal rot of common onion in Iran. <i>Journal of Phytopathology</i> , 2018, 166, 572-580.	1.0	31
114	Hypoxia pathway has more impact than inflammation pathway on etiology of infertile men with varicocele. <i>Andrologia</i> , 2019, 51, e13189.	2.1	31
115	Clinical outcomes of magnetic activated sperm sorting in infertile men candidate for ICSI. <i>Human Fertility</i> , 2019, 22, 118-125.	1.7	31
116	PPAR ^γ /Pgc-1 ^α -Fndc5 pathway up-regulation in gastrocnemius and heart muscle of exercised, branched chain amino acid diet fed mice. <i>Nutrition and Metabolism</i> , 2018, 15, 59.	3.0	30
117	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, 576-584.	2.0	29
118	miR-34a/BCL2 signaling axis contributes to apoptosis in MPP ⁺ -induced SH-SY5Y cells. <i>Molecular Genetics & Genomic Medicine</i> , 2018, 6, 975-981.	1.2	29
119	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, 605-611.	2.5	28
120	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, 1422-1428.	2.4	28
121	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.	5.8	28
122	Evaluation of sperm telomere length in infertile men with failed/low fertilization after intracytoplasmic sperm injection. <i>Reproductive BioMedicine Online</i> , 2019, 38, 579-587.	2.4	28
123	Role of non-coding RNAs as novel biomarkers for detection of colorectal cancer progression through interaction with the cell signaling pathways. <i>Gene</i> , 2020, 753, 144796.	2.2	28
124	Improved Bovine ICSI Outcomes by Sperm Selected after Combined Heparin-Glutathione Treatment. <i>Cellular Reprogramming</i> , 2012, 14, 295-304.	0.9	27
125	Zeta potential vs apoptotic marker: which is more suitable for ICSI sperm selection?. <i>Journal of Assisted Reproduction and Genetics</i> , 2013, 30, 1181-1186.	2.5	27
126	Induced expression of Fndc5 significantly increased cardiomyocyte differentiation rate of mouse embryonic stem cells. <i>Gene</i> , 2014, 551, 127-137.	2.2	27

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127	ERK1/2 is a key regulator of Fndc5 and PGC1 β expression during neural differentiation of mESCs. Neuroscience, 2015, 297, 252-261.	2.3	27
128	Integrative Analysis of lncRNAs in Th17 Cell Lineage to Discover New Potential Biomarkers and Therapeutic Targets in Autoimmune Diseases. Molecular Therapy - Nucleic Acids, 2018, 12, 393-404.	5.1	27
129	MicroRNA and Male Infertility: A Potential for Diagnosis. International Journal of Fertility & Sterility, 2014, 8, 113-8.	0.2	27
130	Relationship between phospholipase C-zeta, semen parameters, and chromatin status. Systems Biology in Reproductive Medicine, 2017, 63, 259-268.	2.1	26
131	One-carbon cycle support rescues sperm damage in experimentally induced varicocele in rats. BJU International, 2018, 122, 480-489.	2.5	26
132	Alpha-lipoic acid improves sperm motility in infertile men after varicocelectomy: a triple-blind randomized controlled trial. Reproductive BioMedicine Online, 2020, 41, 1084-1091.	2.4	26
133	<p>ZIF-8 Modified Polypropylene Membrane: A Biomimetic Cell Culture Platform with a View to the Improvement of Guided Bone Regeneration</p>. International Journal of Nanomedicine, 2020, Volume 15, 10029-10043.	6.7	26
134	Modified level of miR-376a is associated with Parkinson's disease. Journal of Cellular and Molecular Medicine, 2020, 24, 2622-2634.	3.6	26
135	<i>In vivo</i> integration of poly(μ -caprolactone)/gelatin nanofibrous nerve guide seeded with teeth derived stem cells for peripheral nerve regeneration. Journal of Biomedical Materials Research - Part A, 2014, 102, n/a-n/a.	4.0	25
136	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. Protein Expression and Purification, 2016, 121, 52-60.	1.3	25
137	Interspecies somatic cell nuclear transfer in Asiatic cheetah using nuclei derived from post-mortem frozen tissue in absence of cryo-protectant and <i>in vitro</i> matured domestic cat oocytes. Theriogenology, 2017, 90, 197-203.	2.1	25
138	Hypoxia-related long noncoding RNAs are associated with varicocele-related male infertility. PLoS ONE, 2020, 15, e0232357.	2.5	25
139	Importance of the GDF9 signaling pathway on cumulus cell expansion and oocyte competency in sheep. Theriogenology, 2013, 80, 470-478.	2.1	24
140	Embryonic Stem Cell Differentiation to Cardiomyocytes on Nanostructured Scaffolds for Myocardial Tissue Regeneration. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 240-245.	3.4	24
141	Effect of Nanoporous Fibers on Growth and Proliferation of Cells on Electrospun Poly (μ -caprolactone) Scaffolds. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 57-64.	3.4	24
142	Analysis of genetic and virulence variability of Stemphylium lycopersici associated with leaf spot of vegetable crops. European Journal of Plant Pathology, 2014, 140, 261-273.	1.7	24
143	An association between sperm PLC γ levels and varicocele?. Journal of Assisted Reproduction and Genetics, 2016, 33, 1649-1655.	2.5	24
144	Dietary flax seed oil and/or Vitamin E improve sperm parameters of cloned goats following freezing-thawing. Cryobiology, 2017, 74, 110-114.	0.7	24

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145	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.	3.6	24
146	Upregulation of miR-200a and miR-204 in MPP ⁺ -treated differentiated PC12 cells as a model of Parkinson's disease. <i>Molecular Genetics & Genomic Medicine</i> , 2019, 7, e548.	1.2	24
147	Sperm status and DNA dose play key roles in sperm/ICSI-mediated gene transfer in caprine. <i>Molecular Reproduction and Development</i> , 2010, 77, 868-875.	2.0	23
148	Enhanced expression of FNDC5 in human embryonic stem cell-derived neural cells along with relevant embryonic neural tissues. <i>Gene</i> , 2015, 557, 123-129.	2.2	23
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