

Jin-hoi Kim

List of Publications by Citations

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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.

265
papers

8,898
citations

49
h-index

81
g-index

273
ext. papers

10,637
ext. citations

4.6
avg, IF

6.55
L-index

#	Paper	IF	Citations
265	Oxidative stress-mediated antibacterial activity of graphene oxide and reduced graphene oxide in <i>Pseudomonas aeruginosa</i> . <i>International Journal of Nanomedicine</i> , 2012 , 7, 5901-14	7.3	499
264	Review of the Isolation, Characterization, Biological Function, and Multifarious Therapeutic Approaches of Exosomes. <i>Cells</i> , 2019 , 8,	7.9	386
263	Enhanced antibacterial and anti-biofilm activities of silver nanoparticles against Gram-negative and Gram-positive bacteria. <i>Nanoscale Research Letters</i> , 2014 , 9, 373	5	333
262	Cytotoxicity of biologically synthesized silver nanoparticles in MDA-MB-231 human breast cancer cells. <i>BioMed Research International</i> , 2013 , 2013, 535796	3	207
261	Synthesis, toxicity, biocompatibility, and biomedical applications of graphene and graphene-related materials. <i>International Journal of Nanomedicine</i> , 2016 , 11, 1927-45	7.3	167
260	Comparative assessment of the apoptotic potential of silver nanoparticles synthesized by <i>Bacillus tequilensis</i> and <i>Calocybe indica</i> in MDA-MB-231 human breast cancer cells: targeting p53 for anticancer therapy. <i>International Journal of Nanomedicine</i> , 2015 , 10, 4203-22	7.3	157
259	Reduced graphene oxide-silver nanoparticle nanocomposite: a potential anticancer nanotherapy. <i>International Journal of Nanomedicine</i> , 2015 , 10, 6257-76	7.3	154
258	Microbial reduction of graphene oxide by <i>Escherichia coli</i> : a green chemistry approach. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 102, 772-7	6	150
257	Green synthesis of graphene and its cytotoxic effects in human breast cancer cells. <i>International Journal of Nanomedicine</i> , 2013 , 8, 1015-27	7.3	144
256	Nanoparticle-Mediated Combination Therapy: Two-in-One Approach for Cancer. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	136
255	A Comprehensive Review on the Synthesis, Characterization, and Biomedical Application of Platinum Nanoparticles. <i>Nanomaterials</i> , 2019 , 9,	5.4	134
254	The histone deacetylase inhibitor scriptaid enhances nascent mRNA production and rescues full-term development in cloned inbred mice. <i>Reproduction</i> , 2009 , 138, 309-17	3.8	125
253	Human adipose mesenchymal stem cell-derived exosomal-miRNAs are critical factors for inducing anti-proliferation signalling to A2780 and SKOV-3 ovarian cancer cells. <i>Scientific Reports</i> , 2016 , 6, 38498	4.9	117
252	Oxidative stress mediated cytotoxicity of biologically synthesized silver nanoparticles in human lung epithelial adenocarcinoma cell line. <i>Nanoscale Research Letters</i> , 2014 , 9, 459	5	114
251	Multidimensional effects of biologically synthesized silver nanoparticles in <i>Helicobacter pylori</i> , <i>Helicobacter felis</i> , and human lung (L132) and lung carcinoma A549 cells. <i>Nanoscale Research Letters</i> , 2015 , 10, 35	5	113
250	Reduction of graphene oxide by resveratrol: a novel and simple biological method for the synthesis of an effective anticancer nanotherapeutic molecule. <i>International Journal of Nanomedicine</i> , 2015 , 10, 2951-69	7.3	105
249	A green chemistry approach for synthesizing biocompatible gold nanoparticles. <i>Nanoscale Research Letters</i> , 2014 , 9, 248	5	103

248	Antibacterial activity of dithiothreitol reduced graphene oxide. <i>Journal of Industrial and Engineering Chemistry</i> , 2013 , 19, 1280-1288	6.3	102
247	Up-regulation of aldose reductase expression mediated by phosphatidylinositol 3-kinase/Akt and Nrf2 is involved in the protective effect of curcumin against oxidative damage. <i>Free Radical Biology and Medicine</i> , 2007 , 43, 535-45	7.8	94
246	Antiviral Potential of Nanoparticles-Can Nanoparticles Fight Against Coronaviruses?. <i>Nanomaterials</i> , 2020 , 10,	5.4	91
245	Effect of trichostatin A on chromatin remodeling, histone modifications, DNA replication, and transcriptional activity in cloned mouse embryos. <i>Biology of Reproduction</i> , 2010 , 83, 454-63	3.9	82
244	Engraftment of human iPS cells and allogeneic porcine cells into pigs with inactivated RAG2 and accompanying severe combined immunodeficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 7260-5	11.5	80
243	Efficient mRNA delivery with graphene oxide-polyethylenimine for generation of footprint-free human induced pluripotent stem cells. <i>Journal of Controlled Release</i> , 2016 , 235, 222-235	11.7	76
242	Murine male germ cell apoptosis induced by busulfan treatment correlates with loss of c-kit-expression in a Fas/FasL- and p53-independent manner. <i>FEBS Letters</i> , 2004 , 575, 41-51	3.8	74
241	Cold Water Fish Gelatin Methacryloyl Hydrogel for Tissue Engineering Application. <i>PLoS ONE</i> , 2016 , 11, e0163902	3.7	74
240	Cytotoxic Potential and Molecular Pathway Analysis of Silver Nanoparticles in Human Colon Cancer Cells HCT116. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	71
239	Green Chemistry Approach for Synthesis of Effective Anticancer Palladium Nanoparticles. <i>Molecules</i> , 2015 , 20, 22476-98	4.8	69
238	Transforming growth factor-beta1 is a molecular target for the peroxisome proliferator-activated receptor delta. <i>Circulation Research</i> , 2008 , 102, 193-200	15.7	69
237	Biocompatibility effects of biologically synthesized graphene in primary mouse embryonic fibroblast cells. <i>Nanoscale Research Letters</i> , 2013 , 8, 393	5	68
236	Production of biallelic CMP-Neu5Ac hydroxylase knock-out pigs. <i>Scientific Reports</i> , 2013 , 3, 1981	4.9	68
235	Ginkgo biloba: a natural reducing agent for the synthesis of cytocompatible graphene. <i>International Journal of Nanomedicine</i> , 2014 , 9, 363-77	7.3	66
234	Differentiation and transplantation of functional pancreatic beta cells generated from induced pluripotent stem cells derived from a type 1 diabetes mouse model. <i>Stem Cells and Development</i> , 2012 , 21, 2642-55	4.4	65
233	Development of a positive method for male stem cell-mediated gene transfer in mouse and pig. <i>Molecular Reproduction and Development</i> , 1997 , 46, 515-26	2.6	65
232	Hypoxia-mediated autophagic flux inhibits silver nanoparticle-triggered apoptosis in human lung cancer cells. <i>Scientific Reports</i> , 2016 , 6, 21688	4.9	64
231	Green chemistry approach for the synthesis of biocompatible graphene. <i>International Journal of Nanomedicine</i> , 2013 , 8, 2719-32	7.3	63

230	Biocompatibility of microbially reduced graphene oxide in primary mouse embryonic fibroblast cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 105, 58-66	6	62
229	The complete swine olfactory subgenome: expansion of the olfactory gene repertoire in the pig genome. <i>BMC Genomics</i> , 2012 , 13, 584	4.5	58
228	Biologically synthesized silver nanoparticles induce neuronal differentiation of SH-SY5Y cells via modulation of reactive oxygen species, phosphatases, and kinase signaling pathways. <i>Biotechnology Journal</i> , 2014 , 9, 934-43	5.6	57
227	An in vitro evaluation of graphene oxide reduced by Ganoderma spp. in human breast cancer cells (MDA-MB-231). <i>International Journal of Nanomedicine</i> , 2014 , 9, 1783-97	7.3	57
226	Green synthesis of anisotropic silver nanoparticles and its potential cytotoxicity in human breast cancer cells (MCF-7). <i>Journal of Industrial and Engineering Chemistry</i> , 2013 , 19, 1600-1605	6.3	57
225	Serial cloning of pigs by somatic cell nuclear transfer: restoration of phenotypic normality during serial cloning. <i>Developmental Dynamics</i> , 2007 , 236, 3369-82	2.9	57
224	Male- and female-derived somatic and germ cell-specific toxicity of silver nanoparticles in mouse. <i>Nanotoxicology</i> , 2016 , 10, 361-73	5.3	56
223	Enhanced green fluorescent protein-mediated synthesis of biocompatible graphene. <i>Journal of Nanobiotechnology</i> , 2014 , 12, 41	9.4	53
222	Graphene Oxide-Silver Nanocomposite Enhances Cytotoxic and Apoptotic Potential of Salinomycin in Human Ovarian Cancer Stem Cells (OvCSCs): A Novel Approach for Cancer Therapy. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	52
221	3D printing approaches for cardiac tissue engineering and role of immune modulation in tissue regeneration. <i>International Journal of Nanomedicine</i> , 2019 , 14, 1311-1333	7.3	51
220	Differential nanoreprotoxicity of silver nanoparticles in male somatic cells and spermatogonial stem cells. <i>International Journal of Nanomedicine</i> , 2015 , 10, 1335-57	7.3	50
219	The PPAR γ -mediated inhibition of angiotensin II-induced premature senescence in human endothelial cells is SIRT1-dependent. <i>Biochemical Pharmacology</i> , 2012 , 84, 1627-34	6	50
218	The cytoplasm of mouse germinal vesicle stage oocytes can enhance somatic cell nuclear reprogramming. <i>Development (Cambridge)</i> , 2008 , 135, 3935-45	6.6	50
217	A Novel Biomolecule-Mediated Reduction of Graphene Oxide: A Multifunctional Anti-Cancer Agent. <i>Molecules</i> , 2016 , 21, 375	4.8	49
216	Roles of microRNAs in mammalian reproduction: from the commitment of germ cells to peri-implantation embryos. <i>Biological Reviews</i> , 2019 , 94, 415-438	13.5	49
215	Production of germline transgenic chickens expressing enhanced green fluorescent protein using a MoMLV-based retrovirus vector. <i>FASEB Journal</i> , 2006 , 20, 2251-60	0.9	48
214	Nuclear remodelling and the developmental potential of nuclear transferred porcine oocytes under delayed-activated conditions. <i>Zygote</i> , 2003 , 11, 167-74	1.6	47
213	A rare and often unrecognized cerebromeningitis and hemodynamic disorder: a major cause of sudden death in somatic cell cloned piglets. <i>Proteomics</i> , 2005 , 5, 1928-39	4.8	47

212	Internalization of silver nanoparticles into mouse spermatozoa results in poor fertilization and compromised embryo development. <i>Scientific Reports</i> , 2015 , 5, 11170	4.9	46
211	Humanin: a novel functional molecule for the green synthesis of graphene. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 111, 376-83	6	45
210	Genome-wide analysis of DNA methylation in pigs using reduced representation bisulfite sequencing. <i>DNA Research</i> , 2015 , 22, 343-55	4.5	45
209	Establishment and in vitro culture of porcine spermatogonial germ cells in low temperature culture conditions. <i>Stem Cell Research</i> , 2013 , 11, 1234-49	1.6	44
208	Peroxisome proliferator-activated receptor {delta} regulates extracellular matrix and apoptosis of vascular smooth muscle cells through the activation of transforming growth factor- β 1/Smad3. <i>Circulation Research</i> , 2009 , 105, 16-24	15.7	44
207	Proteomic analysis of the extraembryonic tissue from cloned porcine embryos. <i>Molecular and Cellular Proteomics</i> , 2006 , 5, 1559-66	7.6	44
206	Characterization of putative cis-regulatory elements that control the transcriptional activity of the human Oct4 promoter. <i>Journal of Cellular Biochemistry</i> , 2005 , 96, 821-30	4.7	44
205	Nanoceria-mediated delivery of doxorubicin enhances the anti-tumour efficiency in ovarian cancer cells via apoptosis. <i>Scientific Reports</i> , 2017 , 7, 9513	4.9	43
204	Cloning and functional characterization of pig CMP-N-acetylneuraminic acid hydroxylase for the synthesis of N-glycolylneuraminic acid as the xenoantigenic determinant in pig-human xenotransplantation. <i>Biochemical Journal</i> , 2010 , 427, 179-88	3.8	43
203	Chronic nicotine and smoking treatment increases dopamine transporter mRNA expression in the rat midbrain. <i>Neuroscience Letters</i> , 2004 , 363, 29-32	3.3	43
202	Antibacterial Efficacy of Silver Nanoparticles on Endometritis Caused by and in Dairy Cattle. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	42
201	Mitochondrial and metabolic remodeling during reprogramming and differentiation of the reprogrammed cells. <i>Stem Cells and Development</i> , 2015 , 24, 1366-73	4.4	40
200	Identification and characterization of putative stem cells in the adult pig ovary. <i>Development (Cambridge)</i> , 2014 , 141, 2235-44	6.6	40
199	Cytotoxicity and Transcriptomic Analysis of Silver Nanoparticles in Mouse Embryonic Fibroblast Cells. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	40
198	Cationic lipid-nanoceria hybrids, a novel nonviral vector-mediated gene delivery into mammalian cells: investigation of the cellular uptake mechanism. <i>Scientific Reports</i> , 2016 , 6, 29197	4.9	39
197	Analysis of cattle olfactory subgenome: the first detail study on the characteristics of the complete olfactory receptor repertoire of a ruminant. <i>BMC Genomics</i> , 2013 , 14, 596	4.5	37
196	The cytotoxic effects of dimethyl sulfoxide in mouse preimplantation embryos: a mechanistic study. <i>Theranostics</i> , 2017 , 7, 4735-4752	12.1	36
195	Comparative proteomic analysis associated with term placental insufficiency in cloned pig. <i>Proteomics</i> , 2007 , 7, 1303-15	4.8	36

194	Hydrodynamic shear stress promotes epithelial-mesenchymal transition by downregulating ERK and GSK3 β activities. <i>Breast Cancer Research</i> , 2019 , 21, 6	8.3	36
193	A Comprehensive Review on Factors Influences Biogenesis, Functions, Therapeutic and Clinical Implications of Exosomes. <i>International Journal of Nanomedicine</i> , 2021 , 16, 1281-1312	7.3	36
192	Caffeine promotes premature chromosome condensation formation and in vitro development in porcine reconstructed embryos via a high level of maturation promoting factor activity during nuclear transfer. <i>Reproduction</i> , 2005 , 130, 351-7	3.8	35
191	Differential Cytotoxicity of Different Sizes of Graphene Oxide Nanoparticles in Leydig (TM3) and Sertoli (TM4) Cells. <i>Nanomaterials</i> , 2019 , 9,	5.4	34
190	Epigenetic reprogramming in somatic cells induced by extract from germinal vesicle stage pig oocytes. <i>Development (Cambridge)</i> , 2012 , 139, 4330-40	6.6	34
189	Recombinant human erythropoietin produced in milk of transgenic pigs. <i>Journal of Biotechnology</i> , 2006 , 122, 362-71	3.7	34
188	Development of transgenic chickens expressing enhanced green fluorescent protein. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 320, 442-8	3.4	34
187	Evaluation of Graphene Oxide Induced Cellular Toxicity and Transcriptome Analysis in Human Embryonic Kidney Cells. <i>Nanomaterials</i> , 2019 , 9,	5.4	33
186	Oxidative stress and ROS metabolism via down-regulation of sirtuin 3 expression in Cmah-null mice affect hearing loss. <i>Aging</i> , 2015 , 7, 579-94	5.6	33
185	Resurrection of an alpha-1,3-galactosyltransferase gene-targeted miniature pig by recloning using postmortem ear skin fibroblasts. <i>Theriogenology</i> , 2011 , 75, 933-9	2.8	33
184	Cytochrome c upregulation during capacitation and spontaneous acrosome reaction determines the fate of pig sperm cells: linking proteome analysis. <i>Journal of Reproduction and Development</i> , 2008 , 54, 68-83	2.1	33
183	The potential of nanoparticles in stem cell differentiation and further therapeutic applications. <i>Biotechnology Journal</i> , 2016 , 11, 1550-1560	5.6	32
182	Genome-level identification, gene expression, and comparative analysis of porcine β defensin genes. <i>BMC Genetics</i> , 2012 , 13, 98	2.6	32
181	Activation of peroxisome proliferator-activated receptor β by rosiglitazone inhibits lipopolysaccharide-induced release of high mobility group box 1. <i>Mediators of Inflammation</i> , 2012 , 2012, 352807	4.3	32
180	Methylation status of putative differentially methylated regions of porcine IGF2 and H19. <i>Molecular Reproduction and Development</i> , 2008 , 75, 777-84	2.6	32
179	Silver nanoparticles cause complications in pregnant mice. <i>International Journal of Nanomedicine</i> , 2015 , 10, 7057-71	7.3	30
178	PPAR α coordinates angiotensin II-induced senescence in vascular smooth muscle cells through PTEN-mediated inhibition of superoxide generation. <i>Journal of Biological Chemistry</i> , 2011 , 286, 44585-93	5.4	30
177	An intact homeobox domain is required for complete nuclear localization of human Nanog. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 353, 770-5	3.4	30

176	G protein-coupled receptors in stem cell maintenance and somatic reprogramming to pluripotent or cancer stem cells. <i>BMB Reports</i> , 2015 , 48, 68-80	5.5	30
175	Combination Effect of Silver Nanoparticles and Histone Deacetylases Inhibitor in Human Alveolar Basal Epithelial Cells. <i>Molecules</i> , 2018 , 23,	4.8	29
174	Tangeretin-Assisted Platinum Nanoparticles Enhance the Apoptotic Properties of Doxorubicin: Combination Therapy for Osteosarcoma Treatment. <i>Nanomaterials</i> , 2019 , 9,	5.4	29
173	Histone deacetylase inhibition improves activation of ribosomal RNA genes and embryonic nucleolar reprogramming in cloned mouse embryos. <i>Biology of Reproduction</i> , 2011 , 85, 1048-56	3.9	28
172	Ran suppresses paclitaxel-induced apoptosis in human glioblastoma cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2008 , 13, 1223-31	5.4	28
171	Biochanin A Ameliorates Arsenic-Induced Hepato- and Hematotoxicity in Rats. <i>Molecules</i> , 2016 , 21, 69	4.8	28
170	Potential toxicity of engineered nanoparticles in mammalian germ cells and developing embryos: treatment strategies and anticipated applications of nanoparticles in gene delivery. <i>Human Reproduction Update</i> , 2016 , 22, 588-619	15.8	28
169	Differential Immunomodulatory Effect of Graphene Oxide and Vanillin-Functionalized Graphene Oxide Nanoparticles in Human Acute Monocytic Leukemia Cell Line (THP-1). <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	28
168	Cytotoxicity and Transcriptomic Analyses of Biogenic Palladium Nanoparticles in Human Ovarian Cancer Cells (SKOV3). <i>Nanomaterials</i> , 2019 , 9,	5.4	27
167	Hexavalent chromium induces apoptosis in male somatic and spermatogonial stem cells via redox imbalance. <i>Scientific Reports</i> , 2015 , 5, 13921	4.9	26
166	Differential Cytotoxic Potential of Silver Nanoparticles in Human Ovarian Cancer Cells and Ovarian Cancer Stem Cells. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	26
165	PPAR γ inhibits UVB-induced secretion of MMP-1 through MKP-7-mediated suppression of JNK signaling. <i>Journal of Investigative Dermatology</i> , 2013 , 133, 2593-2600	4.3	25
164	Graphene Oxide-Silver Nanoparticles Nanocomposite Stimulates Differentiation in Human Neuroblastoma Cancer Cells (SH-SY5Y). <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	25
163	MicroRNA dysregulation in liver and pancreas of CMP-Neu5Ac hydroxylase null mice disrupts insulin/PI3K-AKT signaling. <i>BioMed Research International</i> , 2014 , 2014, 236385	3	25
162	Activation of PPAR γ counteracts angiotensin II-induced ROS generation by inhibiting rac1 translocation in vascular smooth muscle cells. <i>Free Radical Research</i> , 2012 , 46, 912-9	4	25
161	Aldose reductase in keratinocytes attenuates cellular apoptosis and senescence induced by UV radiation. <i>Free Radical Biology and Medicine</i> , 2011 , 50, 680-8	7.8	25
160	Expression of recombinant human granulocyte macrophage-colony stimulating factor (hGM-CSF) in mouse urine. <i>Transgenic Research</i> , 2001 , 10, 193-200	3.3	25
159	Two potent transactivation domains in the C-terminal region of human NANOG mediate transcriptional activation in human embryonic carcinoma cells. <i>Journal of Cellular Biochemistry</i> , 2009 , 106, 1079-89	4.7	24

158	Ligand-activated PPAR γ inhibits UVB-induced senescence of human keratinocytes via PTEN-mediated inhibition of superoxide production. <i>Biochemical Journal</i> , 2012 , 444, 27-38	3.8	24
157	Identification of a truncated alternative splicing variant of human PPAR γ 1 that exhibits dominant negative activity. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 347, 698-706	3.4	24
156	Graphene Oxide/Platinum Nanoparticle Nanocomposites: A Suitable Biocompatible Therapeutic Agent for Prostate Cancer. <i>Polymers</i> , 2019 , 11,	4.5	23
155	Efficient delivery of C/EBP beta gene into human mesenchymal stem cells via polyethylenimine-coated gold nanoparticles enhances adipogenic differentiation. <i>Scientific Reports</i> , 2016 , 6, 33784	4.9	23
154	Essential role of paternal chromatin in the regulation of transcriptional activity during mouse preimplantation development. <i>Reproduction</i> , 2011 , 141, 67-77	3.8	23
153	Generation of transgenic chickens that produce bioactive human granulocyte-colony stimulating factor. <i>Molecular Reproduction and Development</i> , 2008 , 75, 1120-6	2.6	23
152	Identification of maternal mRNAs in porcine parthenotes at the 2-cell stage: a comparison with the blastocyst stage. <i>Molecular Reproduction and Development</i> , 2005 , 70, 314-23	2.6	23
151	Ligand-activated PPAR γ upregulates β -smooth muscle actin expression in human dermal fibroblasts: A potential role for PPAR γ in wound healing. <i>Journal of Dermatological Science</i> , 2015 , 80, 186-95	4.3	22
150	A Novel Regulatory Mechanism of Type II Collagen Expression via a SOX9-dependent Enhancer in Intron 6. <i>Journal of Biological Chemistry</i> , 2017 , 292, 528-538	5.4	22
149	Effects of silver nanoparticles on neonatal testis development in mice. <i>International Journal of Nanomedicine</i> , 2015 , 10, 6243-56	7.3	22
148	Intraovarian transplantation of primordial follicles fails to rescue chemotherapy injured ovaries. <i>Scientific Reports</i> , 2013 , 3, 1384	4.9	22
147	Cloning, sequencing, and characterization of the murine nm23-M5 gene during mouse spermatogenesis and spermiogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 306, 198-207	3.4	22
146	Genomewide Analysis of the Antimicrobial Peptides in Python bivittatus and Characterization of Cathelicidins with Potent Antimicrobial Activity and Low Cytotoxicity. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	21
145	Chitosan nanoparticles cause pre- and postimplantation embryo complications in mice. <i>Biology of Reproduction</i> , 2013 , 88, 88	3.9	21
144	Comparative proteomic analysis of malformed umbilical cords from somatic cell nuclear transfer-derived piglets: implications for early postnatal death. <i>BMC Genomics</i> , 2009 , 10, 511	4.5	21
143	β 1,3-galactosyltransferase deficiency in germ-free miniature pigs increases N-glycolylneuraminic acids as the xenoantigenic determinant in pig-human xenotransplantation. <i>Cellular Reprogramming</i> , 2012 , 14, 353-63	2.1	21
142	The Effects of Apigenin-Biosynthesized Ultra-Small Platinum Nanoparticles on the Human Monocytic THP-1 Cell Line. <i>Cells</i> , 2019 , 8,	7.9	20
141	Dual functions of silver nanoparticles in F9 teratocarcinoma stem cells, a suitable model for evaluating cytotoxicity- and differentiation-mediated cancer therapy. <i>International Journal of Nanomedicine</i> , 2017 , 12, 7529-7549	7.3	20

140	MicroRNA-7641 is a regulator of ribosomal proteins and a promising targeting factor to improve the efficacy of cancer therapy. <i>Scientific Reports</i> , 2017 , 7, 8365	4.9	20
139	Transcriptional coactivator undifferentiated embryonic cell transcription factor 1 expressed in spermatogonial stem cells: a putative marker of boar spermatogonia. <i>Animal Reproduction Science</i> , 2014 , 150, 115-24	2.1	19
138	Role of BI-1 (TEGT)-mediated ERK1/2 activation in mitochondria-mediated apoptosis and splenomegaly in BI-1 transgenic mice. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012 , 1823, 876-88	4.9	19
137	Mesenchymal stem cells regulate the proliferation of T cells via the growth-related oncogene/CXC chemokine receptor, CXCR2. <i>Cellular Immunology</i> , 2012 , 279, 1-11	4.4	19
136	Alpha 1,3-galactosyltransferase deficiency in pigs increases sialyltransferase activities that potentially raise non-gal xenoantigenicity. <i>Journal of Biomedicine and Biotechnology</i> , 2011 , 2011, 560850		19
135	Biocompatible Gold Nanoparticles Ameliorate Retinoic Acid-Induced Cell Death and Induce Differentiation in F9 Teratocarcinoma Stem Cells. <i>Nanomaterials</i> , 2018 , 8,	5.4	18
134	Identification of cytochrome c oxidase subunit 6A1 as a suppressor of Bax-induced cell death by yeast-based functional screening. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 373, 58-63	3.4	18
133	Identification of multiple nuclear localization signals in murine Elf3, an ETS transcription factor. <i>FEBS Letters</i> , 2006 , 580, 1865-71	3.8	18
132	Silver nanoparticles suppresses brain-derived neurotrophic factor-induced cell survival in the human neuroblastoma cell line SH-SY5Y. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 47, 62-73	6.3	17
131	Nm23-M5 mediates round and elongated spermatid survival by regulating GPX-5 levels. <i>FEBS Letters</i> , 2009 , 583, 1292-8	3.8	17
130	Production of transgenic pigs harboring the human erythropoietin (hEPO) gene using somatic cell nuclear transfer. <i>Journal of Reproduction and Development</i> , 2009 , 55, 128-36	2.1	17
129	Mitochondrial Peptide Humanin Protects Silver Nanoparticles-Induced Neurotoxicity in Human Neuroblastoma Cancer Cells (SH-SY5Y). <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	16
128	Peroxisome proliferator-activated receptor γ modulates MMP-2 secretion and elastin expression in human dermal fibroblasts exposed to ultraviolet B radiation. <i>Journal of Dermatological Science</i> , 2014 , 76, 44-50	4.3	16
127	Identification and in vitro derivation of spermatogonia in beagle testis. <i>PLoS ONE</i> , 2014 , 9, e109963	3.7	16
126	Regulation of human growth and differentiation factor 3 gene expression by NANOG in human embryonic carcinoma NCCIT cells. <i>FEBS Letters</i> , 2012 , 586, 3529-35	3.8	16
125	Combined treatment of 3-hydroxyflavone and imatinib mesylate increases apoptotic cell death of imatinib mesylate-resistant leukemia cells. <i>Leukemia Research</i> , 2012 , 36, 1157-64	2.7	16
124	Identification of ADP-ribosylation factor 4 as a suppressor of N-(4-hydroxyphenyl)retinamide-induced cell death. <i>Cancer Letters</i> , 2009 , 276, 53-60	9.9	16
123	Aberrant expression of developmentally important signaling molecules in cloned porcine extraembryonic tissues. <i>Proteomics</i> , 2008 , 8, 2724-34	4.8	16

122	Detection of rare Leydig cell hypoplasia in somatic cell cloned male piglets. <i>Zygote</i> , 2004 , 12, 305-13	1.6	16
121	Alpha-fetoprotein, identified as a novel marker for the antioxidant effect of placental extract, exhibits synergistic antioxidant activity in the presence of estradiol. <i>PLoS ONE</i> , 2014 , 9, e99421	3.7	16
120	Impaired autophagy promotes bile acid-induced hepatic injury and accumulation of ubiquitinated proteins. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 495, 1541-1547	3.4	16
119	Role and Therapeutic Potential of Melatonin in Various Type of Cancers. <i>OncoTargets and Therapy</i> , 2021 , 14, 2019-2052	4.4	16
118	Green fluorescent protein as a scaffold for high efficiency production of functional bacteriotoxic proteins in Escherichia coli. <i>Scientific Reports</i> , 2016 , 6, 20661	4.9	16
117	Protegrin-1 cytotoxicity towards mammalian cells positively correlates with the magnitude of conformational changes of the unfolded form upon cell interaction. <i>Scientific Reports</i> , 2019 , 9, 11569	4.9	15
116	An environmentally friendly approach to the reduction of graphene oxide by Escherichia fergusonii. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 2091-8	1.3	15
115	Retrovirus-mediated gene transfer and expression of EGFP in chicken. <i>Molecular Reproduction and Development</i> , 2004 , 68, 429-34	2.6	15
114	Synthesis of Graphene Oxide-Silver Nanoparticle Nanocomposites: An Efficient Novel Antibacterial Agent. <i>Current Nanoscience</i> , 2016 , 12, 762-773	1.4	15
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112	Cloning and molecular dissection of the 8.8 kb pig uroplakin II promoter using transgenic mice and RT4 cells. <i>Journal of Cellular Biochemistry</i> , 2006 , 99, 462-77	4.7	14
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