Jin-hoi Kim

List of Publications by Year
in descending order

269	12,288	26567 56	37111 96
papers	citations	h-index	g-index

273	273	273	19706
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Review of the Isolation, Characterization, Biological Function, and Multifarious Therapeutic Approaches of Exosomes. Cells, 2019, 8, 307.	1.8	706
2	Oxidative stress-mediated antibacterial activity of graphene oxide and reduced graphene oxide in Pseudomonas aeruginosa. International Journal of Nanomedicine, 2012, 7, 5901.	3.3	665
3	Enhanced antibacterial and anti-biofilm activities of silver nanoparticles against Gram-negative and Gram-positive bacteria. Nanoscale Research Letters, 2014, 9, 373.	3.1	461
4	Cytotoxicity of Biologically Synthesized Silver Nanoparticles in MDA-MB-231 Human Breast Cancer Cells. BioMed Research International, 2013, 2013, 1-10.	0.9	272
5	A Comprehensive Review on the Synthesis, Characterization, and Biomedical Application of Platinum Nanoparticles. Nanomaterials, 2019, 9, 1719.	1.9	267
6	Comparative assessment of the apoptotic potential of silver nanoparticles synthesized by Bacillus tequilensis and Calocybe indica in MDA-MB-231 human breast cancer cells: targeting p53 for anticancer therapy. International Journal of Nanomedicine, 2015, 10, 4203.	3.3	238
7	Nanoparticle-Mediated Combination Therapy: Two-in-One Approach for Cancer. International Journal of Molecular Sciences, 2018, 19, 3264.	1.8	226
8	Synthesis, toxicity, biocompatibility, and biomedical applications of graphene and graphene-related materials. International Journal of Nanomedicine, 2016, 11, 1927.	3.3	217
9	Reduced graphene oxide–silver nanoparticle nanocomposite: a potential anticancer nanotherapy. International Journal of Nanomedicine, 2015, 10, 6257.	3.3	198
10	Microbial reduction of graphene oxide by Escherichia coli: A green chemistry approach. Colloids and Surfaces B: Biointerfaces, 2013, 102, 772-777.	2.5	174
11	Green synthesis of graphene and its cytotoxic effects in human breast cancer cells. International Journal of Nanomedicine, 2013, 8, 1015.	3.3	174
12	Multidimensional effects of biologically synthesized silver nanoparticles in Helicobacter pylori, Helicobacter felis, and human lung (L132) and lung carcinoma A549 cells. Nanoscale Research Letters, 2015, 10, 35.	3.1	172
13	Human adipose mesenchymal stem cell-derived exosomal-miRNAs are critical factors for inducing anti-proliferation signalling to A2780 and SKOV-3 ovarian cancer cells. Scientific Reports, 2016, 6, 38498.	1.6	163
14	Antiviral Potential of Nanoparticlesâ€"Can Nanoparticles Fight Against Coronaviruses?. Nanomaterials, 2020, 10, 1645.	1.9	162
15	A green chemistry approach for synthesizing biocompatible gold nanoparticles. Nanoscale Research Letters, 2014, 9, 248.	3.1	153
16	A Comprehensive Review on Factors Influences Biogenesis, Functions, Therapeutic and Clinical Implications of Exosomes. International Journal of Nanomedicine, 2021, Volume 16, 1281-1312.	3.3	141
17	The histone deacetylase inhibitor scriptaid enhances nascent mRNA production and rescues full-term development in cloned inbred mice. Reproduction, 2009, 138, 309-317.	1.1	136
18	Reduction of graphene oxide by resveratrol: a novel and simple biological method for the synthesis of an effective anticancer nanotherapeutic molecule. International Journal of Nanomedicine, 2015, 10, 2951.	3.3	136

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19	Oxidative stress mediated cytotoxicity of biologically synthesized silver nanoparticles in human lung epithelial adenocarcinoma cell line. Nanoscale Research Letters, 2014, 9, 459.	3.1	131
20	Antibacterial activity of dithiothreitol reduced graphene oxide. Journal of Industrial and Engineering Chemistry, 2013, 19, 1280-1288.	2.9	121
21	Cytotoxic Potential and Molecular Pathway Analysis of Silver Nanoparticles in Human Colon Cancer Cells HCT116. International Journal of Molecular Sciences, 2018, 19, 2269.	1.8	119
22	Cold Water Fish Gelatin Methacryloyl Hydrogel for Tissue Engineering Application. PLoS ONE, 2016, 11, e0163902.	1.1	115
23	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. Free Radical Biology and Medicine, 2007, 43, 535-545.	1.3	99
24	Engraftment of human iPS cells and allogeneic porcine cells into pigs with inactivated RAG2 and accompanying severe combined immunodeficiency. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7260-7265.	3.3	99
25	Efficient mRNA delivery with graphene oxide-polyethylenimine for generation of footprint-free human induced pluripotent stem cells. Journal of Controlled Release, 2016, 235, 222-235.	4.8	99
26	Roles of microRNAs in mammalian reproduction: from the commitment of germ cells to periâ€implantation embryos. Biological Reviews, 2019, 94, 415-438.	4.7	94
27	Green Chemistry Approach for Synthesis of Effective Anticancer Palladium Nanoparticles. Molecules, 2015, 20, 22476-22498.	1.7	93
28	Effect of Trichostatin A on Chromatin Remodeling, Histone Modifications, DNA Replication, and Transcriptional Activity in Cloned Mouse Embryos1. Biology of Reproduction, 2010, 83, 454-463.	1.2	92
29	The complete swine olfactory subgenome: expansion of the olfactory gene repertoire in the pig genome. BMC Genomics, 2012, 13, 584.	1.2	91
30	Murine male germ cell apoptosis induced by busulfan treatment correlates with loss of c-kit-expression in a Fas/FasL- and p53-independent manner. FEBS Letters, 2004, 575, 41-51.	1.3	90
31	Biocompatibility effects of biologically synthesized graphene in primary mouse embryonic fibroblast cells. Nanoscale Research Letters, 2013, 8, 393.	3.1	89
32	Production of biallelic CMP-Neu5Ac hydroxylase knock-out pigs. Scientific Reports, 2013, 3, 1981.	1.6	82
33	Differentiation and Transplantation of Functional Pancreatic Beta Cells Generated from Induced Pluripotent Stem Cells Derived from a Type 1 Diabetes Mouse Model. Stem Cells and Development, 2012, 21, 2642-2655.	1.1	81
34	Graphene Oxideâ€“Silver Nanocomposite Enhances Cytotoxic and Apoptotic Potential of Salinomycin in Human Ovarian Cancer Stem Cells (OvCSCs): A Novel Approach for Cancer Therapy. International Journal of Molecular Sciences, 2018, 19, 710.	1.8	80
35	Hypoxia-mediated autophagic flux inhibits silver nanoparticle-triggered apoptosis in human lung cancer cells. Scientific Reports, 2016, 6, 21688.	1.6	79
36	3D printing approaches for cardiac tissue engineering and role of immune modulation in tissue regeneration . International Journal of Nanomedicine, 2019, Volume 14, 1311-1333.	3.3	76

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37	Development of a positive method for male stem cell-mediated gene transfer in mouse and pig. Molecular Reproduction and Development, 1997, 46, 515-526.	1.0	75
38	Transforming Growth Factor-Î²1 Is a Molecular Target for the Peroxisome Proliferator-Activated Receptor Î´. Circulation Research, 2008, 102, 193-200.	2.0	74
39	Green chemistry approach for the synthesis of biocompatible graphene. International Journal of Nanomedicine, 2013, 8, 2719.	3.3	74
40	Ginkgo biloba: a natural reducing agent for the synthesis of cytocompatible graphene. International Journal of Nanomedicine, 2014, 9, 363.	3.3	74
41	Male- and female-derived somatic and germ cell-specific toxicity of silver nanoparticles in mouse. Nanotoxicology, 2016, 10, 361-373.	1.6	74
42	Biocompatibility of microbially reduced graphene oxide in primary mouse embryonic fibroblast cells. Colloids and Surfaces B: Biointerfaces, 2013, 105, 58-66.	2.5	73
43	An in vitro evaluation of graphene oxide reduced by Ganoderma spp. in human breast cancer cells (MDA-MB-231). International Journal of Nanomedicine, 2014, 9, 1783.	3.3	72
44	Genome-wide analysis of DNA methylation in pigs using reduced representation bisulfite sequencing. DNA Research, 2015, 22, 343-355.	1.5	72
45	Cytotoxicity and Transcriptomic Analysis of Silver Nanoparticles in Mouse Embryonic Fibroblast Cells. International Journal of Molecular Sciences, 2018, 19, 3618.	1.8	68
46	Biologically synthesized silver nanoparticles induce neuronal differentiation of SHâ€5Y5Y cells via modulation of reactive oxygen species, phosphatases, and kinase signaling pathways. Biotechnology Journal, 2014, 9, 934-943.	1.8	67
47	Nanoceria-mediated delivery of doxorubicin enhances the anti-tumour efficiency in ovarian cancer cells via apoptosis. Scientific Reports, 2017, 7, 9513.	1.6	67
48	Green synthesis of anisotropic silver nanoparticles and its potential cytotoxicity in human breast cancer cells (MCF-7). Journal of Industrial and Engineering Chemistry, 2013, 19, 1600-1605.	2.9	66
49	Serial cloning of pigs by somatic cell nuclear transfer: Restoration of phenotypic normality during serial cloning. Developmental Dynamics, 2007, 236, 3369-3382.	0.8	65
50	Evaluation of Graphene Oxide Induced Cellular Toxicity and Transcriptome Analysis in Human Embryonic Kidney Cells. Nanomaterials, 2019, 9, 969.	1.9	65
51	Hydrodynamic shear stress promotes epithelial-mesenchymal transition by downregulating ERK and GSK3Î² activities. Breast Cancer Research, 2019, 21, 6.	2.2	65
52	Enhanced green fluorescent protein-mediated synthesis of biocompatible graphene. Journal of Nanobiotechnology, 2014, 12, 41.	4.2	63
53	A Novel Biomolecule-Mediated Reduction of Graphene Oxide: A Multifunctional Anti-Cancer Agent. Molecules, 2016, 21, 375.	1.7	62
54	The PPARÎ´-mediated inhibition of angiotensin II-induced premature senescence in human endothelial cells is SIRT1-dependent. Biochemical Pharmacology, 2012, 84, 1627-1634.	2.0	61

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55	Differential nanoreprotoxicity of silver nanoparticles in male somatic cells and spermatogonial stem cells. International Journal of Nanomedicine, 2015, 10, 1335.	3.3	61
56	Internalization of silver nanoparticles into mouse spermatozoa results in poor fertilization and compromised embryo development. Scientific Reports, 2015, 5, 11170.	1.6	59
57	The cytotoxic effects of dimethyl sulfoxide in mouse preimplantation embryos: a mechanistic study. Theranostics, 2017, 7, 4735-4752.	4.6	59
58	Differential Cytotoxicity of Different Sizes of Graphene Oxide Nanoparticles in Leydig (TM3) and Sertoli (TM4) Cells. Nanomaterials, 2019, 9, 139.	1.9	59
59	Antibacterial Efficacy of Silver Nanoparticles on Endometritis Caused by Prevotella melaninogenica and Arcanobacterum pyogenes in Dairy Cattle. International Journal of Molecular Sciences, 2018, 19, 1210.	1.8	58
60	The cytoplasm of mouse germinal vesicle stage oocytes can enhance somatic cell nuclear reprogramming. Development (Cambridge), 2008, 135, 3935-3945.	1.2	57
61	Production of germline transgenic chickens expressing enhanced green fluorescent protein using a MoMLVâ€•based retrovirus vector. FASEB Journal, 2006, 20, 2251-2260.	0.2	55
62	Cloning and functional characterization of pig CMP-N-acetylneuraminic acid hydroxylase for the synthesis of N-glycolylneuraminic acid as the xenoantigenic determinant in pigâ€“human xenotransplantation. Biochemical Journal, 2010, 427, 179-188.	1.7	54
63	Biogenesis, Membrane Trafficking, Functions, and Next Generation Nanotherapeutics Medicine of Extracellular Vesicles. International Journal of Nanomedicine, 2021, Volume 16, 3357-3383.	3.3	54
64	Nuclear remodelling and the developmental potential of nuclear transferred porcine oocytes under delayed-activated conditions. Zygote, 2003, 11, 167-174.	0.5	53
65	A rare and often unrecognized cerebromeningitis and hemodynamic disorder: A major cause of sudden death in somatic cell cloned piglets. Proteomics, 2005, 5, 1928-1939.	1.3	53
66	Establishment and in vitro culture of porcine spermatogonial germ cells in low temperature culture conditions. Stem Cell Research, 2013, 11, 1234-1249.	0.3	52
67	Humanin: A novel functional molecule for the green synthesis of graphene. Colloids and Surfaces B: Biointerfaces, 2013, 111, 376-383.	2.5	51
68	Chronic nicotine and smoking treatment increases dopamine transporter mRNA expression in the rat midbrain. Neuroscience Letters, 2004, 363, 29-32.	1.0	50
69	Role and Therapeutic Potential of Melatonin in Various Type of Cancers. OncoTargets and Therapy, 2021, Volume 14, 2019-2052.	1.0	50
70	Mitochondrial and Metabolic Remodeling During Reprogramming and Differentiation of the Reprogrammed Cells. Stem Cells and Development, 2015, 24, 1366-1373.	1.1	49
71	Cationic lipid-nanoceria hybrids, a novel nonviral vector-mediated gene delivery into mammalian cells: investigation of the cellular uptake mechanism. Scientific Reports, 2016, 6, 29197.	1.6	49
72	Differential Immunomodulatory Effect of Graphene Oxide and Vanillin-Functionalized Graphene Oxide Nanoparticles in Human Acute Monocytic Leukemia Cell Line (THP-1). International Journal of Molecular Sciences, 2019, 20, 247.	1.8	49

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73	Proteomic Analysis of the Extraembryonic Tissue from Cloned Porcine Embryos. Molecular and Cellular Proteomics, 2006, 5, 1559-1566.	2.5	48
74	Tangeretin-Assisted Platinum Nanoparticles Enhance the Apoptotic Properties of Doxorubicin: Combination Therapy for Osteosarcoma Treatment. Nanomaterials, 2019, 9, 1089.	1.9	48
75	Cytochrome c Upregulation during Capacitation and Spontaneous Acrosome Reaction Determines the Fate of Pig Sperm Cells: Linking Proteome Analysis. Journal of Reproduction and Development, 2008, 54, 68-83.	0.5	47
76	Peroxisome Proliferator-Activated Receptor Î´ Regulates Extracellular Matrix and Apoptosis of Vascular Smooth Muscle Cells Through the Activation of Transforming Growth Factor-Î²1/Smad3. Circulation Research, 2009, 105, 16-24.	2.0	47
77	Analysis of cattle olfactory subgenome: the first detail study on the characteristics of the complete olfactory receptor repertoire of a ruminant. BMC Genomics, 2013, 14, 596.	1.2	46
78	Characterization of putative cis-regulatory elements that control the transcriptional activity of the human Oct4 promoter. Journal of Cellular Biochemistry, 2005, 96, 821-830.	1.2	45
79	Biochanin A Ameliorates Arsenic-Induced Hepato- and Hematotoxicity in Rats. Molecules, 2016, 21, 69.	1.7	45
80	Identification and characterization of putative stem cells in the adult pig ovary. Development (Cambridge), 2014, 141, 2235-2244.	1.2	44
81	Comparative proteomic analysis associated with term placental insufficiency in cloned pig. Proteomics, 2007, 7, 1303-1315.	1.3	43
82	The potential of nanoparticles in stem cell differentiation and further therapeutic applications. Biotechnology Journal, 2016, 11, 1550-1560.	1.8	43
83	Oxidative stress and ROS metabolism via down-regulation of sirtuin 3 expression in Cmah-null mice affect hearing loss. Aging, 2015, 7, 579-594.	1.4	42
84	Potential toxicity of engineered nanoparticles in mammalian germ cells and developing embryos: treatment strategies and anticipated applications of nanoparticles in gene delivery. Human Reproduction Update, 2016, 22, 588-619.	5.2	42
85	Epigenetic reprogramming in somatic cells induced by extract from germinal vesicle stage pig oocytes. Development (Cambridge), 2012, 139, 4330-4340.	1.2	41
86	Graphene Oxideâ€“Silver Nanoparticles Nanocomposite Stimulates Differentiation in Human Neuroblastoma Cancer Cells (SH-SY5Y). International Journal of Molecular Sciences, 2017, 18, 2549.	1.8	40
87	Diverse Effects of Exosomes on COVID-19: A Perspective of Progress From Transmission to Therapeutic Developments. Frontiers in Immunology, 2021, 12, 716407.	2.2	40
88	Silver nanoparticles cause complications in pregnant mice. International Journal of Nanomedicine, 2015, 10, 7057.	3.3	39
89	Combination Effect of Silver Nanoparticles and Histone Deacetylases Inhibitor in Human Alveolar Basal Epithelial Cells. Molecules, 2018, 23, 2046.	1.7	39
90	G protein-coupled receptors in stem cell maintenance and somatic reprogramming to pluripotent or cancer stem cells. BMB Reports, 2015, 48, 68-80.	1.1	39

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91	Development of transgenic chickens expressing enhanced green fluorescent protein. Biochemical and Biophysical Research Communications, 2004, 320, 442-448.	1.0	38
92	Resurrection of an alpha-1,3-galactosyltransferase gene-targeted miniature pig by recloning using postmortem ear skin fibroblasts. Theriogenology, 2011, 75, 933-939.	0.9	38
93	Genome-level identification, gene expression, and comparative analysis of porcine Î²-defensin genes. BMC Genetics, 2012, 13, 98.	2.7	38
94	Graphene Oxideâ€“Platinum Nanoparticle Nanocomposites: A Suitable Biocompatible Therapeutic Agent for Prostate Cancer. Polymers, 2019, 11, 733.	2.0	38
95	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. Reproduction, 2005, 130, 351-357.	1.1	36
96	Recombinant human erythropoietin produced in milk of transgenic pigs. Journal of Biotechnology, 2006, 122, 362-371.	1.9	36
97	An intact homeobox domain is required for complete nuclear localization of human Nanog. Biochemical and Biophysical Research Communications, 2007, 353, 770-775.	1.0	36
98	Activation of Peroxisome Proliferator-Activated ReceptorÎ³by Rosiglitazone Inhibits Lipopolysaccharide-Induced Release of High Mobility Group Box 1. Mediators of Inflammation, 2012, 2012, 1-9.	1.4	36
99	MicroRNA Dysregulation in Liver and Pancreas of CMP-Neu5Ac Hydroxylase Null Mice Disrupts Insulin/PI3K-AKT Signaling. BioMed Research International, 2014, 2014, 1-12.	0.9	36
100	Effects of silver nanoparticles on neonatal testis development in mice. International Journal of Nanomedicine, 2015, 10, 6243.	3.3	36
101	Genomewide Analysis of the Antimicrobial Peptides in Python bivittatus and Characterization of Cathelicidins with Potent Antimicrobial Activity and Low Cytotoxicity. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	36
102	MicroRNA-7641 is a regulator of ribosomal proteins and a promising targeting factor to improve the efficacy of cancer therapy. Scientific Reports, 2017, 7, 8365.	1.6	36
103	Cytotoxicity and Transcriptomic Analyses of Biogenic Palladium Nanoparticles in Human Ovarian Cancer Cells (SKOV3). Nanomaterials, 2019, 9, 787.	1.9	36
104	The Effects of Apigenin-Biosynthesized Ultra-Small Platinum Nanoparticles on the Human Monocytic THP-1 Cell Line. Cells, 2019, 8, 444.	1.8	36
105	PPARÎ´ Coordinates Angiotensin II-induced Senescence in Vascular Smooth Muscle Cells through PTEN-mediated Inhibition of Superoxide Generation. Journal of Biological Chemistry, 2011, 286, 44585-44593.	1.6	35
106	Hexavalent chromium induces apoptosis in male somatic and spermatogonial stem cells via redox imbalance. Scientific Reports, 2015, 5, 13921.	1.6	35
107	Platinum Nanoparticles Enhance Exosome Release in Human Lung Epithelial Adenocarcinoma Cancer Cells (A549): Oxidative Stress and the Ceramide Pathway are Key Players. International Journal of Nanomedicine, 2021, Volume 16, 515-538.	3.3	35
108	Methylation status of putative differentially methylated regions of porcine IGF2 and H19. Molecular Reproduction and Development, 2008, 75, 777-784.	1.0	34

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109	A Novel Regulatory Mechanism of Type II Collagen Expression via a SOX9-dependent Enhancer in Intron 6. Journal of Biological Chemistry, 2017, 292, 528-538.	1.6	34
110	Ran suppresses paclitaxel-induced apoptosis in human glioblastoma cells. Apoptosis: an International Journal on Programmed Cell Death, 2008, 13, 1223-1231.	2.2	33
111	Differential Cytotoxic Potential of Silver Nanoparticles in Human Ovarian Cancer Cells and Ovarian Cancer Stem Cells. International Journal of Molecular Sciences, 2016, 17, 2077.	1.8	33
112	Histone Deacetylase Inhibition Improves Activation of Ribosomal RNA Genes and Embryonic Nucleolar Reprogramming in Cloned Mouse Embryos1. Biology of Reproduction, 2011, 85, 1048-1056.	1.2	32
113	Generation of transgenic chickens that produce bioactive human granulocyteâ€colony stimulating factor. Molecular Reproduction and Development, 2008, 75, 1120-1126.	1.0	31
114	Dual functions of silver nanoparticles in F9 teratocarcinoma stem cells, a suitable model for evaluating cytotoxicity- and differentiation-mediated cancer therapy. International Journal of Nanomedicine, 2017, Volume 12, 7529-7549.	3.3	31
115	Mitochondrial Peptide Humanin Protects Silver Nanoparticles-Induced Neurotoxicity in Human Neuroblastoma Cancer Cells (SH-SY5Y). International Journal of Molecular Sciences, 2019, 20, 4439.	1.8	31
116	Efficient delivery of C/EBP beta gene into human mesenchymal stem cells via polyethylenimine-coated gold nanoparticles enhances adipogenic differentiation. Scientific Reports, 2016, 6, 33784.	1.6	30
117	Melatonin Enhances Palladium-Nanoparticle-Induced Cytotoxicity and Apoptosis in Human Lung Epithelial Adenocarcinoma Cells A549 and H1229. Antioxidants, 2020, 9, 357.	2.2	30
118	Essential role of paternal chromatin in the regulation of transcriptional activity during mouse preimplantation development. Reproduction, 2011, 141, 67-77.	1.1	29
119	Protegrin-1 cytotoxicity towards mammalian cells positively correlates with the magnitude of conformational changes of the unfolded form upon cell interaction. Scientific Reports, 2019, 9, 11569.	1.6	29
120	Activation of PPARÎ´ counteracts angiotensin II-induced ROS generation by inhibiting rac1 translocation in vascular smooth muscle cells. Free Radical Research, 2012, 46, 912-919.	1.5	28
121	Intraovarian transplantation of primordial follicles fails to rescue chemotherapy injured ovaries. Scientific Reports, 2013, 3, 1384.	1.6	28
122	Anticancer Properties of Platinum Nanoparticles and Retinoic Acid: Combination Therapy for the Treatment of Human Neuroblastoma Cancer. International Journal of Molecular Sciences, 2020, 21, 6792.	1.8	28
123	Aldose reductase in keratinocytes attenuates cellular apoptosis and senescence induced by UV radiation. Free Radical Biology and Medicine, 2011, 50, 680-688.	1.3	27
124	PPARÎ´ Inhibits UVB-Induced Secretion of MMP-1 through MKP-7-Mediated Suppression of JNK Signaling. Journal of Investigative Dermatology, 2013, 133, 2593-2600.	0.3	27
125	Ligand-activated PPARÎ´ upregulates Î±-smooth muscle actin expression in human dermal fibroblasts: A potential role for PPARÎ´ in wound healing. Journal of Dermatological Science, 2015, 80, 186-195.	1.0	27
126	Impaired autophagy promotes bile acid-induced hepatic injury and accumulation of ubiquitinated proteins. Biochemical and Biophysical Research Communications, 2018, 495, 1541-1547.	1.0	27

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127	Expression of recombinant human granulocyte macrophage-colony stimulating factor (hGM-CSF) in mouse urine. Transgenic Research, 2001, 10, 193-200.	1.3	26
128	Ligand-activated PPARÎ´ inhibits UVB-induced senescence of human keratinocytes via PTEN-mediated inhibition of superoxide production. Biochemical Journal, 2012, 444, 27-38.	1.7	26
129	Î±1,3-Galactosyltransferase Deficiency in Germ-Free Miniature Pigs IncreasesN-Glycolylneuraminic Acids As the Xenoantigenic Determinant in Pigâ€“Human Xenotransplantation. Cellular Reprogramming, 2012, 14, 353-363.	0.5	26
130	Chitosan Nanoparticles Cause Pre- and Postimplantation Embryo Complications in Mice1. Biology of Reproduction, 2013, 88, 88.	1.2	26
131	Anisotropic Platinum Nanoparticle-Induced Cytotoxicity, Apoptosis, Inflammatory Response, and Transcriptomic and Molecular Pathways in Human Acute Monocytic Leukemia Cells. International Journal of Molecular Sciences, 2020, 21, 440.	1.8	26
132	Synthesis of Graphene Oxide-Silver Nanoparticle Nanocomposites: An Efficient Novel Antibacterial Agent. Current Nanoscience, 2016, 12, 762-773.	0.7	26
133	Identification of maternal mRNAs in porcine parthenotes at the 2-cell stage: A comparison with the blastocyst stage. Molecular Reproduction and Development, 2005, 70, 314-323.	1.0	25
134	Identification of a truncated alternative splicing variant of human PPARÎ³1 that exhibits dominant negative activity. Biochemical and Biophysical Research Communications, 2006, 347, 698-706.	1.0	25
135	Mesenchymal stem cells regulate the proliferation of T cells via the growth-related oncogene/CXC chemokine receptor, CXCR2. Cellular Immunology, 2012, 279, 1-11.	1.4	25
136	Histone deacetylase 6 (HDAC6) is an essential factor for oocyte maturation and asymmetric division in mice. Scientific Reports, 2017, 7, 8131.	1.6	25
137	Cloning, sequencing, and characterization of the murine nm23-M5 gene during mouse spermatogenesis and spermiogenesis. Biochemical and Biophysical Research Communications, 2003, 306, 198-207.	1.0	24
138	Comparative proteomic analysis of malformed umbilical cords from somatic cell nuclear transfer-derived piglets: implications for early postnatal death. BMC Genomics, 2009, 10, 511.	1.2	24
139	Two potent transactivation domains in the Câ€terminal region of human NANOG mediate transcriptional activation in human embryonic carcinoma cells. Journal of Cellular Biochemistry, 2009, 106, 1079-1089.	1.2	24
140	Biologically synthesized silver nanoparticles induce neuronal differentiation of SHâ€5Y5Y cells via modulation of reactive oxygen species, phosphatases, and kinase signaling pathways. Biotechnology Journal, 2014, 9, 934-943.	1.8	24
141	Alpha-Fetoprotein, Identified as a Novel Marker for the Antioxidant Effect of Placental Extract, Exhibits Synergistic Antioxidant Activity in the Presence of Estradiol. PLoS ONE, 2014, 9, e99421.	1.1	24
142	Alpha 1,3-Galactosyltransferase Deficiency in Pigs Increases Sialyltransferase Activities That Potentially Raise Non-Gal Xenoantigenicity. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-8.	3.0	23
143	Role of BI-1 (TEGT)-mediated ERK1/2 activation in mitochondria-mediated apoptosis and splenomegaly in BI-1 transgenic mice. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 876-888.	1.9	23
144	Development of a simultaneous high resolution typing method for three SLA class II genes, SLA-DQA, SLA-DQB1, and SLA-DRB1 and the analysis of SLA class II haplotypes. Gene, 2015, 564, 228-232.	1.0	23

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145	Identification of multiple nuclear localization signals in murine Elf3, an ETS transcription factor. FEBS Letters, 2006, 580, 1865-1871.	1.3	22
146	Identification of cytochrome c oxidase subunit 6A1 as a suppressor of Bax-induced cell death by yeast-based functional screening. Biochemical and Biophysical Research Communications, 2008, 373, 58-63.	1.0	22
147	Nm23â€M5 mediates round and elongated spermatid survival by regulating GPXâ€5 levels. FEBS Letters, 2009, 583, 1292-1298.	1.3	22
148	Green fluorescent protein as a scaffold for high efficiency production of functional bacteriotoxic proteins in Escherichia coli. Scientific Reports, 2016, 6, 20661.	1.6	22
149	Transcriptional coactivator undifferentiated embryonic cell transcription factor 1 expressed in spermatogonial stem cells: A putative marker of boar spermatogonia. Animal Reproduction Science, 2014, 150, 115-124.	0.5	21
150	Identification of ADP-ribosylation factor 4 as a suppressor of N-(4-hydroxyphenyl)retinamide-induced cell death. Cancer Letters, 2009, 276, 53-60.	3.2	20
151	Biocompatible Gold Nanoparticles Ameliorate Retinoic Acid-Induced Cell Death and Induce Differentiation in F9 Teratocarcinoma Stem Cells. Nanomaterials, 2018, 8, 396.	1.9	20
152	Farnesyl diphosphate synthase attenuates paclitaxel-induced apoptotic cell death in human glioblastoma U87MG cells. Neuroscience Letters, 2010, 474, 115-120.	1.0	19
153	Regulation of human growth and differentiation factor 3 gene expression by NANOG in human embryonic carcinoma NCCIT cells. FEBS Letters, 2012, 586, 3529-3535.	1.3	19
154	Peroxisome proliferator-activated receptor Î´ modulates MMP-2 secretion and elastin expression in human dermal fibroblasts exposed to ultraviolet B radiation. Journal of Dermatological Science, 2014, 76, 44-50.	1.0	19
155	Silver nanoparticles suppresses brain-derived neurotrophic factor-induced cell survival in the human neuroblastoma cell line SH-SY5Y. Journal of Industrial and Engineering Chemistry, 2017, 47, 62-73.	2.9	19
156	Palladium Nanoparticle-Induced Oxidative Stress, Endoplasmic Reticulum Stress, Apoptosis, and Immunomodulation Enhance the Biogenesis and Release of Exosome in Human Leukemia Monocytic Cells (THP-1). International Journal of Nanomedicine, 2021, Volume 16, 2849-2877.	3.3	19
157	Production of Transgenic Pigs Harboring the Human Erythropoietin (hEPO) Gene Using Somatic Cell Nuclear Transfer. Journal of Reproduction and Development, 2009, 55, 128-136.	0.5	18
158	Combined treatment of 3-hydroxyflavone and imatinib mesylate increases apoptotic cell death of imatinib mesylate-resistant leukemia cells. Leukemia Research, 2012, 36, 1157-1164.	0.4	18
159	Identification and In Vitro Derivation of Spermatogonia in Beagle Testis. PLoS ONE, 2014, 9, e109963.	1.1	18
160	Detection of rare Leydig cell hypoplasia in somatic cell cloned male piglets. Zygote, 2004, 12, 305-313.	0.5	17
161	Aberrant expression of developmentally important signaling molecules in cloned porcine extraembryonic tissues. Proteomics, 2008, 8, 2724-2734.	1.3	17
162	An Environmentally Friendly Approach to the Reduction of Graphene Oxide by <I>Escherichia fergusoni</I>. Journal of Nanoscience and Nanotechnology, 2013, 13, 2091-2098.	0.9	17

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163	Characterization of male germ cell markers in canine testis. Animal Reproduction Science, 2017, 182, 1-8.	0.5	17
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