

Chankyu Park

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9505641/publications.pdf>

Version: 2024-02-01

195
papers

6,530
citations

76322

40
h-index

82542

72
g-index

198
all docs

198
docs citations

198
times ranked

10626
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Comparison of DNA/RNA yield and integrity between PMAP36-mediated and other bacterial lysis methods. <i>Journal of Microbiological Methods</i> , 2022, 193, 106396. | 1.6 | 1 |
| 2 | Tracing the Origin of the RSPO2 Long-Hair Allele and Epistatic Interaction between FGF5 and RSPO2 in Sapsaree Dog. <i>Genes</i> , 2022, 13, 102. | 2.4 | 2 |
| 3 | Development of an Immortalized Porcine Fibroblast Cell Panel With Different Swine Leukocyte Antigen Genotypes. <i>Frontiers in Genetics</i> , 2022, 13, 815328. | 2.3 | 1 |
| 4 | Sequence polymorphisms of PR39 cathelicidins and extensive copy variations in commercial pig breeds. <i>Gene</i> , 2022, 822, 146323. | 2.2 | 2 |
| 5 | Development of a high-resolution typing method for SLA*03, swine MHC class I antigen 3. <i>Animal Genetics</i> , 2022, 53, 166-170. | 1.7 | 3 |
| 6 | Influence of habitat change from land to sea on the evolution of antimicrobial peptide gene families, including <i>defensin</i> gene clusters, in mammals. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2021, 59, 510-521. | 1.4 | 2 |
| 7 | Identification of Promiscuous African Swine Fever Virus T-Cell Determinants Using a Multiple Technical Approach. <i>Vaccines</i> , 2021, 9, 29. | 4.4 | 18 |
| 8 | Cathelicidin β -CATH4 derived from <i>Python bivittatus</i> accelerates the healing of <i>Staphylococcus aureus</i> -infected wounds in mice. <i>Amino Acids</i> , 2021, 53, 313-317. | 2.7 | 2 |
| 9 | Transgenic Mice Overexpressing PG1 Display Corneal Opacity and Severe Inflammation in the Eye. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1586. | 4.1 | 2 |
| 10 | High-Quality Nucleic Acid Isolation from Hard-to-Lyse Bacterial Strains Using PMAP-36, a Broad-Spectrum Antimicrobial Peptide. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4149. | 4.1 | 4 |
| 11 | Evaluation of testicular toxicity upon fetal exposure to bisphenol A using an organ culture method. <i>Chemosphere</i> , 2021, 270, 129445. | 8.2 | 13 |
| 12 | High Allelic Diversity of Dog Leukocyte Antigen Class II in East Asian Dogs: Identification of New Alleles and Haplotypes. <i>Journal of Mammalian Evolution</i> , 2021, 28, 773-784. | 1.8 | 2 |
| 13 | Characterisation of Antiviral Activity of Cathelicidins from Naked Mole Rat and <i>Python bivittatus</i> on Human Herpes Simplex Virus 1. <i>Pharmaceuticals</i> , 2021, 14, 715. | 3.8 | 2 |
| 14 | Automatic Recognition of Children Engagement from Facial Video Using Convolutional Neural Networks. <i>IEEE Transactions on Affective Computing</i> , 2020, 11, 696-707. | 8.3 | 30 |
| 15 | Evaluation of Resmethrin Toxicity to Neonatal Testes in Organ Culture. <i>Toxicological Sciences</i> , 2020, 173, 53-64. | 3.1 | 13 |
| 16 | Epigenetic priming by Dot1l in lymphatic endothelial progenitors ensures normal lymphatic development and function. <i>Cell Death and Disease</i> , 2020, 11, 14. | 6.3 | 17 |
| 17 | Expression of paired box protein PAX7 in prepubertal boar testicular gonocytes. <i>Acta Histochemica</i> , 2020, 122, 151595. | 1.8 | 0 |
| 18 | Generation of brain organoids from mouse ESCs via teratoma formation. <i>Stem Cell Research</i> , 2020, 49, 102100. | 0.7 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Expression of ATP/GTP Binding Protein 1 Has Prognostic Value for the Clinical Outcomes in Non-Small Cell Lung Carcinoma. <i>Journal of Personalized Medicine</i> , 2020, 10, 263. | 2.5 | 1 |
| 20 | Developing a toll-like receptor biosensor for Gram-positive bacterial detection and its storage strategies. <i>Analyst, The</i> , 2020, 145, 6024-6031. | 3.5 | 11 |
| 21 | Antiviral Potential of Nanoparticles—Can Nanoparticles Fight Against Coronaviruses?. <i>Nanomaterials</i> , 2020, 10, 1645. | 4.1 | 162 |
| 22 | Toxic Effects of Nonylphenol on Neonatal Testicular Development in Mouse Organ Culture. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3491. | 4.1 | 18 |
| 23 | BIRC5 Expression Is Regulated in Uterine Epithelium during the Estrous Cycle. <i>Genes</i> , 2020, 11, 282. | 2.4 | 3 |
| 24 | Opossum Cathelicidins Exhibit Antimicrobial Activity Against a Broad Spectrum of Pathogens Including West Nile Virus. <i>Frontiers in Immunology</i> , 2020, 11, 347. | 4.8 | 10 |
| 25 | Bacteria-derived metabolite, methylglyoxal, modulates the longevity of <i>C. elegans</i> through TORC2/SGK-1/DAF-16 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17142-17150. | 7.1 | 22 |
| 26 | SLA-1 Genetic Diversity in Pigs: Extensive Analysis of Copy Number Variation, Heterozygosity, Expression, and Breed Specificity. <i>Scientific Reports</i> , 2020, 10, 743. | 3.3 | 14 |
| 27 | Anisotropic Platinum Nanoparticle-Induced Cytotoxicity, Apoptosis, Inflammatory Response, and Transcriptomic and Molecular Pathways in Human Acute Monocytic Leukemia Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 440. | 4.1 | 26 |
| 28 | 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. | 3.3 | 29 |
| 29 | CD14 is a unique membrane marker of porcine spermatogonial stem cells, regulating their differentiation. <i>Scientific Reports</i> , 2019, 9, 9980. | 3.3 | 11 |
| 30 | Evaluation of Graphene Oxide Induced Cellular Toxicity and Transcriptome Analysis in Human Embryonic Kidney Cells. <i>Nanomaterials</i> , 2019, 9, 969. | 4.1 | 65 |
| 31 | Generation of Mouse Parthenogenetic Epiblast Stem Cells and Their Imprinting Patterns. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5428. | 4.1 | 3 |
| 32 | Derivation of primitive neural stem cells from human-induced pluripotent stem cells. <i>Journal of Comparative Neurology</i> , 2019, 527, 3023-3033. | 1.6 | 3 |
| 33 | Cytotoxicity and Transcriptomic Analyses of Biogenic Palladium Nanoparticles in Human Ovarian Cancer Cells (SKOV3). <i>Nanomaterials</i> , 2019, 9, 787. | 4.1 | 36 |
| 34 | Development of a simple SLA copy number variation typing and the comparison of typing accuracy between real-time quantitative and droplet digital PCR. <i>Animal Genetics</i> , 2019, 50, 315-316. | 1.7 | 3 |
| 35 | Roles of microRNAs in mammalian reproduction: from the commitment of germ cells to perimplantation embryos. <i>Biological Reviews</i> , 2019, 94, 415-438. | 10.4 | 94 |
| 36 | Copy number variation of PR-39 cathelicidin, and identification of PR-35, a natural variant of PR-39 with reduced mammalian cytotoxicity. <i>Gene</i> , 2019, 692, 88-93. | 2.2 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Analysis of allele-specific expression using RNA-seq of the Korean native pig and Landrace reciprocal cross. Asian-Australasian Journal of Animal Sciences, 2019, 32, 1816-1825. | 2.4 | 5 |
| 38 | Species-specific expression of phosphoglycerate kinase 2 (PGK2) in the developing porcine testis. Theriogenology, 2018, 110, 158-167. | 2.1 | 8 |
| 39 | A novel mouse model of atopic dermatitis that is T helper 2 (Th2)-polarized by an epicutaneous allergen. Environmental Toxicology and Pharmacology, 2018, 58, 122-130. | 4.0 | 4 |
| 40 | Zinc-mediated Reversible Multimerization of Hsp31 Enhances the Activity of Holding Chaperone. Journal of Molecular Biology, 2018, 430, 1760-1772. | 4.2 | 7 |
| 41 | Expression patterns and role of SDF-1/CXCR4 axis in boar spermatogonial stem cells. Theriogenology, 2018, 113, 221-228. | 2.1 | 8 |
| 42 | Determination of complete sequence information of the human ABO blood group orthologous gene in pigs and breed difference in blood type frequencies. Gene, 2018, 640, 1-5. | 2.2 | 10 |
| 43 | Cytotoxicity and Transcriptomic Analysis of Silver Nanoparticles in Mouse Embryonic Fibroblast Cells. International Journal of Molecular Sciences, 2018, 19, 3618. | 4.1 | 68 |
| 44 | Analysis of peptide-SLA binding by establishing immortalized porcine alveolar macrophage cells with different SLA class II haplotypes. Veterinary Research, 2018, 49, 96. | 3.0 | 7 |
| 45 | The novel cathelicidin of naked mole rats, Hg-CATH, showed potent antimicrobial activity and low cytotoxicity. Gene, 2018, 676, 164-170. | 2.2 | 16 |
| 46 | Characterization of male germ cell markers in canine testis. Animal Reproduction Science, 2017, 182, 1-8. | 1.5 | 17 |
| 47 | Nonviral Genome Editing Based on a Polymer-Derivatized CRISPR Nanocomplex for Targeting Bacterial Pathogens and Antibiotic Resistance. Bioconjugate Chemistry, 2017, 28, 957-967. | 3.6 | 128 |
| 48 | Backbone resonance assignments of the Escherichia coli 62 kDa protein, Hsp31. Biomolecular NMR Assignments, 2017, 11, 159-163. | 0.8 | 3 |
| 49 | Generation and characterization of mouse knockout for glyoxalase 1. Biochemical and Biophysical Research Communications, 2017, 490, 460-465. | 2.1 | 27 |
| 50 | 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, . | 3.2 | 36 |
| 51 | Stage-specific expression of Sal-like protein 4 in boar testicular germ cells. Theriogenology, 2017, 101, 44-52. | 2.1 | 8 |
| 52 | The cytotoxic effects of dimethyl sulfoxide in mouse preimplantation embryos: a mechanistic study. Theranostics, 2017, 7, 4735-4752. | 10.0 | 59 |
| 53 | Bacterial Responses to Glyoxal and Methylglyoxal: Reactive Electrophilic Species. International Journal of Molecular Sciences, 2017, 18, 169. | 4.1 | 55 |
| 54 | Production of transgenic pig as an Alzheimer's disease model using a multi-cistronic vector system. PLoS ONE, 2017, 12, e0177933. | 2.5 | 25 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | I β 2-microglobulin gene duplication in cetartiodactyla remains intact only in pigs and possibly confers selective advantage to the species. PLoS ONE, 2017, 12, e0182322. | 2.5 | 8 |
| 56 | Recombination activating gene-2null severe combined immunodeficient pigs and mice engraft human induced pluripotent stem cells differently. Oncotarget, 2017, 8, 69398-69407. | 1.8 | 15 |
| 57 | Biochanin A Ameliorates Arsenic-Induced Hepato- and Hematotoxicity in Rats. Molecules, 2016, 21, 69. | 3.8 | 45 |
| 58 | Identification of Putative Biomarkers for the Early Stage of Porcine Spermatogonial Stem Cells Using Next-Generation Sequencing. PLoS ONE, 2016, 11, e0147298. | 2.5 | 12 |
| 59 | Green fluorescent protein as a scaffold for high efficiency production of functional bacteriotoxic proteins in Escherichia coli. Scientific Reports, 2016, 6, 20661. | 3.3 | 22 |
| 60 | Screening for Escherichia coli K-12 genes conferring glyoxal resistance or sensitivity by transposon insertions. FEMS Microbiology Letters, 2016, 363, fnw199. | 1.8 | 4 |
| 61 | In Vivo Generation of Neural Stem Cells Through Teratoma Formation. Stem Cells and Development, 2016, 25, 1311-1317. | 2.1 | 10 |
| 62 | 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. | 3.3 | 49 |
| 63 | Hypoxia-mediated autophagic flux inhibits silver nanoparticle-triggered apoptosis in human lung cancer cells. Scientific Reports, 2016, 6, 21688. | 3.3 | 79 |
| 64 | 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. | 3.3 | 30 |
| 65 | Vitrified canine testicular cells allow the formation of spermatogonial stem cells and seminiferous tubules following their xenotransplantation into nude mice. Scientific Reports, 2016, 6, 21919. | 3.3 | 20 |
| 66 | Characterization of the <i>Escherichia coli</i> YajL, YhbO and ElbB glyoxalases. FEMS Microbiology Letters, 2016, 363, fnv239. | 1.8 | 16 |
| 67 | Analysis of the vomeronasal receptor repertoire, expression and allelic diversity in swine. Genomics, 2016, 107, 208-215. | 2.9 | 14 |
| 68 | Effects of natural resistance-associated macrophage protein 1 and toll-like receptor 2 gene polymorphisms on post-weaning piglet survivability. Genes and Genomics, 2016, 38, 171-178. | 1.4 | 2 |
| 69 | Male- and female-derived somatic and germ cell-specific toxicity of silver nanoparticles in mouse. Nanotoxicology, 2016, 10, 361-373. | 3.0 | 74 |
| 70 | Partial loss of interleukin 2 receptor gamma function in pigs provides mechanistic insights for the study of human immunodeficiency syndrome. Oncotarget, 2016, 7, 50914-50926. | 1.8 | 8 |
| 71 | Rapamycin ameliorates chitosan nanoparticle-induced developmental defects of preimplantation embryos in mice. Oncotarget, 2016, 7, 74658-74677. | 1.8 | 13 |
| 72 | Internalization of silver nanoparticles into mouse spermatozoa results in poor fertilization and compromised embryo development. Scientific Reports, 2015, 5, 11170. | 3.3 | 59 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Adult porcine genome-wide DNA methylation patterns support pigs as a biomedical model. BMC Genomics, 2015, 16, 743. | 2.8 | 96 |
| 74 | Genome-wide analysis of DNA methylation in pigs using reduced representation bisulfite sequencing. DNA Research, 2015, 22, 343-355. | 3.4 | 72 |
| 75 | Sequence variations of the locus-specific 5' untranslated regions of SLA class I genes and the development of a comprehensive genomic DNA-based high-resolution typing method for SLA class II. Tissue Antigens, 2015, 86, 255-266. | 1.0 | 8 |
| 76 | A novel protein quality control mechanism contributes to heat shock resistance of worldwide distributed <i>Pseudomonas aeruginosa</i> clone C strains. Environmental Microbiology, 2015, 17, 4511-4526. | 3.8 | 36 |
| 77 | Analysis of children's posture for the bodily kinesthetic test. , 2015, , . | | 2 |
| 78 | CMP-Neu5Ac Hydroxylase Null Mice as a Model for Studying Metabolic Disorders Caused by the Evolutionary Loss of Neu5Gc in Humans. BioMed Research International, 2015, 2015, 1-16. | 1.9 | 8 |
| 79 | Distance-invariant automatic engagement level recognition using visual cues. Proceedings of SPIE, 2015, , . | 0.8 | 0 |
| 80 | Markerless human body pose estimation from consumer depth cameras for simulator. , 2015, , . | | 0 |
| 81 | StopBankun: Countermeasure of app replacement attack on Android. , 2015, , . | | 1 |
| 82 | 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. | 2.2 | 23 |
| 83 | Pifithrin-1 ameliorates resveratrol-induced two-cell block in mouse preimplantation embryos in vitro. Theriogenology, 2015, 83, 862-873. | 2.1 | 6 |
| 84 | Genetic Diversity and mRNA Expression of Porcine MHC Class I Chain-Related 2 (SLA-MIC2) Gene and Development of a High-Resolution Typing Method. PLoS ONE, 2015, 10, e0135922. | 2.5 | 3 |
| 85 | Lack of Cytosolic Carboxypeptidase 1 Leads to Subfertility due to the Reduced Number of Antral Follicles in pcd3J-/- Females. PLoS ONE, 2015, 10, e0139557. | 2.5 | 4 |
| 86 | Per-deuteration and NMR experiments for the backbone assignment of 62 kDa protein, Hsp31. Journal of the Korean Magnetic Resonance Society, 2015, 19, 112-118. | 0.1 | 2 |
| 87 | Automatic Engagement Level Estimation of Kids in a Learning Environment. International Journal of Machine Learning and Computing, 2015, 5, 148-152. | 0.6 | 5 |
| 88 | Stereospecific mechanism of <i>DJ-1</i> glyoxalases inferred from their hemithioacetal-containing crystal structures. FEBS Journal, 2014, 281, 5447-5462. | 4.7 | 36 |
| 89 | Defining the genetic relationship of protegrin-related sequences and the <i>in vivo</i> expression of protegrins. FEBS Journal, 2014, 281, 5420-5431. | 4.7 | 11 |
| 90 | Engraftment of human iPS cells and allogeneic porcine cells into pigs with inactivated <i>RAG2</i> and accompanying severe combined immunodeficiency. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7260-7265. | 7.1 | 99 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 91 | Motion artifact reduction in PPG signals from face: Face tracking & stochastic state space modeling approach. , 2014, 2014, 3280-3. | | 2 |
| 92 | Evaluation of reference genes in mouse preimplantation embryos for gene expression studies using real-time quantitative RT-PCR (RT-qPCR). BMC Research Notes, 2014, 7, 675. | 1.4 | 15 |
| 93 | Activation of Peroxisome Proliferator-Activated Receptor γ Inhibits Angiotensin II-Induced Activation of Matrix Metalloproteinase-2 in Vascular Smooth Muscle Cells. Journal of Vascular Research, 2014, 51, 221-230. | 1.4 | 10 |
| 94 | Inter- and intra-population genetic divergence of East Asian cattle populations: focusing on Korean cattle. Genes and Genomics, 2014, 36, 261-265. | 1.4 | 4 |
| 95 | Minke whale genome and aquatic adaptation in cetaceans. Nature Genetics, 2014, 46, 88-92. | 21.4 | 227 |
| 96 | Sodium hypochlorite-mediated inactivation of Cronobacter spp. biofilms on conveyor belt chips. Food Science and Biotechnology, 2014, 23, 1893-1896. | 2.6 | 8 |
| 97 | Peroxisome proliferator-activated receptor γ modulates MMP-2 secretion and elastin expression in human dermal fibroblasts exposed to ultraviolet B radiation. Journal of Dermatological Science, 2014, 76, 44-50. | 1.9 | 19 |
| 98 | Ligand-activated PPAR γ modulates the migration and invasion of melanoma cells by regulating Snail expression. American Journal of Cancer Research, 2014, 4, 674-82. | 1.4 | 15 |
| 99 | Novel regulatory system $\langle \text{sc} \rangle \langle \text{i} \rangle \text{nemRA} \langle / \text{i} \rangle \langle / \text{sc} \rangle \langle \text{i} \rangle \hat{=}$ $\langle \text{sc} \rangle \langle \text{i} \rangle \text{gloA} \langle / \text{i} \rangle \langle / \text{sc} \rangle$ for electrophile reduction in $\langle \text{i} \rangle \langle \text{sc} \rangle \text{E} \langle / \text{sc} \rangle \text{scherichia coli} \langle / \text{i} \rangle \hat{=}$... $\langle \text{sc} \rangle \langle \text{i} \rangle \text{K} \langle / \text{i} \rangle \langle / \text{sc} \rangle \hat{=}$ 12. Molecular Microbiology, 2013, 88, 395-412. | 2.5 | 40 |
| 100 | Mutations upregulating the flhDC operon of Escherichia coli K-12. Journal of Microbiology, 2013, 51, 140-144. | 2.8 | 22 |
| 101 | Glyoxal detoxification in Escherichia coli K-12 by NADPH dependent aldo-keto reductases. Journal of Microbiology, 2013, 51, 527-530. | 2.8 | 14 |
| 102 | Structural alteration of Escherichia coli Hsp31 by thermal unfolding increases chaperone activity. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 621-628. | 2.3 | 7 |
| 103 | DJR-1.2 of Caenorhabditis elegans is induced by DAF-16 in the dauer state. Gene, 2013, 524, 373-376. | 2.2 | 8 |
| 104 | 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. | 2.8 | 46 |
| 105 | Novel glyoxalases from $\langle \text{i} \rangle \langle \text{sc} \rangle \text{A} \langle / \text{sc} \rangle \text{rabidopsis} \hat{=}$ thaliana $\langle / \text{i} \rangle$. FEBS Journal, 2013, 280, 3328-3339. | 4.7 | 74 |
| 106 | PPAR γ Inhibits UVB-Induced Secretion of MMP-1 through MKP-7-Mediated Suppression of JNK Signaling. Journal of Investigative Dermatology, 2013, 133, 2593-2600. | 0.7 | 27 |
| 107 | Chitosan Nanoparticles Cause Pre- and Postimplantation Embryo Complications in Mice ¹ . Biology of Reproduction, 2013, 88, 88. | 2.7 | 26 |
| 108 | Identification and classification of feline endogenous retroviruses in the cat genome using degenerate PCR and in silico data analysis. Journal of General Virology, 2013, 94, 1587-1596. | 2.9 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Automatic number recognition for bus route information aid for the visually-impaired. , 2013, , . | | 3 |
| 110 | Alpha (1,2)-Fucosyltransferase M307A Polymorphism Improves Piglet Survival. Animal Biotechnology, 2013, 24, 243-250. | 1.5 | 2 |
| 111 | Multi-view Facial Expression Recognition Using Parametric Kernel Eigenspace Method Based on Class Features. , 2013, , . | | 6 |
| 112 | Altered protein profiles in human umbilical cords with preterm and full-term delivery. Electrophoresis, 2013, 34, 493-500. | 2.4 | 2 |
| 113 | Real-time user pose verification in a depth image for simulator. , 2013, , . | | 1 |
| 114 | Production of biallelic CMP-Neu5Ac hydroxylase knock-out pigs. Scientific Reports, 2013, 3, 1981. | 3.3 | 82 |
| 115 | Intraovarian transplantation of primordial follicles fails to rescue chemotherapy injured ovaries. Scientific Reports, 2013, 3, 1384. | 3.3 | 28 |
| 116 | TRIM11 Negatively Regulates IFN γ Production and Antiviral Activity by Targeting TBK1. PLoS ONE, 2013, 8, e63255. | 2.5 | 46 |
| 117 | Hybrid Facial Representations for Emotion Recognition. ETRI Journal, 2013, 35, 1021-1028. | 2.0 | 14 |
| 118 | Ablation of Rassf2 induces bone defects and subsequent haematopoietic anomalies in mice. EMBO Journal, 2012, 31, 1147-1159. | 7.8 | 36 |
| 119 | Activation of Peroxisome Proliferator-Activated Receptor γ by Rosiglitazone Inhibits Lipopolysaccharide-Induced Release of High Mobility Group Box 1. Mediators of Inflammation, 2012, 2012, 1-9. | 3.0 | 36 |
| 120 | Ligand-activated PPAR γ inhibits UVB-induced senescence of human keratinocytes via PTEN-mediated inhibition of superoxide production. Biochemical Journal, 2012, 444, 27-38. | 3.7 | 26 |
| 121 | α 1,3-Galactosyltransferase Deficiency in Germ-Free Miniature Pigs Increases N-Glycolylneuraminic Acids As the Xenoantigenic Determinant in Pig-to-Human Xenotransplantation. Cellular Reprogramming, 2012, 14, 353-363. | 0.9 | 26 |
| 122 | Facial expression recognition for detecting children's likes and dislikes. , 2012, , . | | 2 |
| 123 | Isolation and Characterization of Shiga Toxin-Producing <i>Escherichia coli</i> (STEC) in Retail Edible Beef By-products. Foodborne Pathogens and Disease, 2012, 9, 145-149. | 1.8 | 5 |
| 124 | Human DJ-1 and its homologs are novel glyoxalases. Human Molecular Genetics, 2012, 21, 3215-3225. | 2.9 | 221 |
| 125 | Genomic Rearrangements Leading to Overexpression of Aldo-Keto Reductase YafB of <i>Escherichia coli</i> Confer Resistance to Glyoxal. Journal of Bacteriology, 2012, 194, 1979-1988. | 2.2 | 7 |
| 126 | Activation of PPAR γ counteracts angiotensin II-induced ROS generation by inhibiting rac1 translocation in vascular smooth muscle cells. Free Radical Research, 2012, 46, 912-919. | 3.3 | 28 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 127 | Analyses of pig genomes provide insight into porcine demography and evolution. <i>Nature</i> , 2012, 491, 393-398. | 27.8 | 1,190 |
| 128 | Assurance of mitochondrial integrity and mammalian longevity by the p62 \rightarrow Keap1 \rightarrow Nrf2 \rightarrow Nqo1 cascade. <i>EMBO Reports</i> , 2012, 13, 150-156. | 4.5 | 126 |
| 129 | Development of RNA aptamers for detection of <i>Salmonella</i> Enteritidis. <i>Journal of Microbiological Methods</i> , 2012, 89, 79-82. | 1.6 | 44 |
| 130 | Comprehensive and high \rightarrow resolution typing of swine leukocyte antigen <scp>DQA</scp> from genomic <scp>DNA</scp> and determination of 25 new <scp>SLA</scp> class <scp>II</scp> haplotypes. <i>Tissue Antigens</i> , 2012, 80, 528-535. | 1.0 | 20 |
| 131 | Genome-level identification, gene expression, and comparative analysis of porcine β -defensin genes. <i>BMC Genetics</i> , 2012, 13, 98. | 2.7 | 38 |
| 132 | The complete swine olfactory subgenome: expansion of the olfactory gene repertoire in the pig genome. <i>BMC Genomics</i> , 2012, 13, 584. | 2.8 | 91 |
| 133 | The PPAR γ -mediated inhibition of angiotensin II-induced premature senescence in human endothelial cells is SIRT1-dependent. <i>Biochemical Pharmacology</i> , 2012, 84, 1627-1634. | 4.4 | 61 |
| 134 | Development of a suicidal vector-cloning system based on butanal susceptibility due to an expression of YqhD aldehyde reductase. <i>Journal of Microbiology</i> , 2012, 50, 249-255. | 2.8 | 5 |
| 135 | Identification and classification of endogenous retroviruses in the canine genome using degenerative PCR and in-silico data analysis. <i>Virology</i> , 2012, 422, 195-204. | 2.4 | 13 |
| 136 | Altered Gene Expression Profiles in Mouse Tetraploid Blastocysts. <i>Journal of Reproduction and Development</i> , 2012, 58, 344-352. | 1.4 | 7 |
| 137 | Development of Real-Time PCR for the Detection of <i>Clostridium perfringens</i> in Meats and Vegetables. <i>Journal of Microbiology and Biotechnology</i> , 2012, 22, 530-534. | 2.1 | 25 |
| 138 | Characterization of a putative cis-regulatory element that controls transcriptional activity of the pig uroplakin II gene promoter. <i>Biochemical and Biophysical Research Communications</i> , 2011, 410, 264-269. | 2.1 | 4 |
| 139 | Systematic analysis of swine leukocyte antigen \rightarrow DRB1 nucleotide polymorphisms using genomic DNA \rightarrow -based high \rightarrow resolution genotyping and identification of new alleles. <i>Tissue Antigens</i> , 2011, 77, 572-583. | 1.0 | 21 |
| 140 | Hsp31 of <i>Escherichia coli</i> K \rightarrow 12 is glyoxalase III. <i>Molecular Microbiology</i> , 2011, 81, 926-936. | 2.5 | 107 |
| 141 | Abnormal Sperm Development in pcd3J \rightarrow Mice: the Importance of Agtpbp1 in Spermatogenesis. <i>Molecules and Cells</i> , 2011, 31, 39-48. | 2.6 | 16 |
| 142 | Developmental arrest of scNTA \rightarrow -derived fetuses by disruption of the developing endometrial gland as a result of impaired trophoblast migration and invasiveness. <i>Developmental Dynamics</i> , 2011, 240, 627-639. | 1.8 | 9 |
| 143 | Chromosome remodeling and differentiation of tetraploid embryos during preimplantation development. <i>Developmental Dynamics</i> , 2011, 240, 1660-1669. | 1.8 | 12 |
| 144 | Prevalence, Antibiotic Resistance, and Molecular Characterization of <i>Salmonella</i> Serovars in Retail Meat Products. <i>Journal of Food Protection</i> , 2011, 74, 161-166. | 1.7 | 76 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Rapid Determination of Perv Copy Number From Porcine Genomic DNA by Real-Time Polymerase Chain Reaction. <i>Animal Biotechnology</i> , 2011, 22, 175-180. | 1.5 | 18 |
| 146 | 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, 1-8. | 3.0 | 23 |
| 147 | Rapid Detection Method for Hepatitis A Virus from Lettuce by a Combination of Filtration and Integrated Cell Culture-Real-Time Reverse Transcription PCR. <i>Journal of Food Protection</i> , 2011, 74, 1756-1761. | 1.7 | 13 |
| 148 | A Wrist-Type Fall Detector with Statistical Classifier for the Elderly Care. <i>KSII Transactions on Internet and Information Systems</i> , 2011, 5, . | 0.3 | 3 |
| 149 | Establishment of a Resource Population of SLA Haplotype-Defined Korean Native Pigs. <i>Molecules and Cells</i> , 2010, 29, 493-500. | 2.6 | 16 |
| 150 | A simple, rapid, efficient and inexpensive strategy for sequencing clones from cDNA libraries. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 817-821. | 2.6 | 1 |
| 151 | Localization of 31 porcine transcripts to the pig genome by SSRH radiation hybrid mapping. <i>Genes and Genomics</i> , 2010, 32, 319-326. | 1.4 | 0 |
| 152 | Development of multiplex real-time PCR with Internal amplification control for simultaneous detection of Salmonella and Cronobacter in powdered infant formula. <i>International Journal of Food Microbiology</i> , 2010, 144, 177-181. | 4.7 | 46 |
| 153 | Male-like sexual behavior of female mouse lacking fucose mutarotase. <i>BMC Genetics</i> , 2010, 11, 62. | 2.7 | 10 |
| 154 | A metazoan ortholog of SpoT hydrolyzes ppGpp and functions in starvation responses. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 1188-1194. | 8.2 | 112 |
| 155 | Simple and comprehensive SLA-DQB1 genotyping using genomic PCR and direct sequencing. <i>Tissue Antigens</i> , 2010, 76, 301-310. | 1.0 | 22 |
| 156 | Evaluation of PCR inhibitory effect of enrichment broths and comparison of DNA extraction methods for detection of Salmonella Enteritidis using real-time PCR assay. <i>Journal of Veterinary Science</i> , 2010, 11, 143. | 1.3 | 26 |
| 157 | Transcriptional Activation of the Aldehyde Reductase YqhD by YqhC and Its Implication in Glyoxal Metabolism of <i>Escherichia coli</i> K-12. <i>Journal of Bacteriology</i> , 2010, 192, 4205-4214. | 2.2 | 64 |
| 158 | Discrimination of Animal Species Using Polymorphisms of the Nuclear Gene Zinc Finger Protein 238. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 2398-2402. | 5.2 | 1 |
| 159 | Conformational Changes and Ligand Recognition of Escherichia coli d-Xylose Binding Protein Revealed. <i>Journal of Molecular Biology</i> , 2010, 402, 657-668. | 4.2 | 24 |
| 160 | WeGAS: A Web-Based Microbial Genome Annotation System. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 213-216. | 1.3 | 11 |
| 161 | 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. | 2.8 | 24 |
| 162 | Nm23a α 5 mediates round and elongated spermatid survival by regulating GPX α 5 levels. <i>FEBS Letters</i> , 2009, 583, 1292-1298. | 2.8 | 22 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Depigmentation of skin and hair color in the somatic cell cloned pig. <i>Developmental Dynamics</i> , 2009, 238, 1701-1708. | 1.8 | 14 |
| 164 | Conservation of the Sapsaree (<i>Canis familiaris</i>), a Korean Natural Monument, using Somatic Cell Nuclear Transfer. <i>Journal of Veterinary Medical Science</i> , 2009, 71, 1217-1220. | 0.9 | 18 |
| 165 | Relationship between Developmental Ability and Cell Number of Day 2 Porcine Embryos Produced by Parthenogenesis or Somatic Cell Nuclear Transfer. <i>Asian-Australasian Journal of Animal Sciences</i> , 2009, 22, 483-491. | 2.4 | 4 |
| 166 | Role of GldA in dihydroxyacetone and methylglyoxal metabolism of <i>Escherichia coli</i> K12. <i>FEMS Microbiology Letters</i> , 2008, 279, 180-187. | 1.8 | 51 |
| 167 | A new HLA-A*24 variant, A*2475, identified by sequence-based typing in the Korean population. <i>Tissue Antigens</i> , 2008, 71, 175-176. | 1.0 | 4 |
| 168 | A new HLA-B*40 variant, B*4073, identified by sequence-based typing in the Korean population. <i>Tissue Antigens</i> , 2008, 71, 250-251. | 1.0 | 6 |
| 169 | Canine Polydactyl Mutations With Heterogeneous Origin in the Conserved Intronic Sequence of LMBR1. <i>Genetics</i> , 2008, 179, 2163-2172. | 2.9 | 51 |
| 170 | Identification and Classification of Endogenous Retroviruses in Cattle. <i>Journal of Virology</i> , 2008, 82, 582-587. | 3.4 | 16 |
| 171 | The dopamine D4 receptor polymorphism affects the canine fearfulness. <i>Animal Cells and Systems</i> , 2008, 12, 77-83. | 2.2 | 5 |
| 172 | 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. | 1.4 | 47 |
| 173 | Characterization of the bovine endogenous retrovirus beta3 genome. <i>Molecules and Cells</i> , 2008, 25, 142-7. | 2.6 | 7 |
| 174 | Structural characterization of the genome of BERV gamma4, the most abundant endogenous retrovirus family in cattle. <i>Molecules and Cells</i> , 2008, 26, 404-8. | 2.6 | 8 |
| 175 | Characterization and role of fucose mutarotase in mammalian cells. <i>Glycobiology</i> , 2007, 17, 955-962. | 2.5 | 22 |
| 176 | Knowledge-Based AOP Framework for Business Rule Aspects in Business Process. <i>ETRI Journal</i> , 2007, 29, 477-488. | 2.0 | 7 |
| 177 | Identification of a new HLA-A*24 variant, A*2474, by sequence-based typing in the Korean population. <i>Tissue Antigens</i> , 2007, 71, 071114170606002-??? | 1.0 | 7 |
| 178 | Discovery of cSNPs in pig using full-length enriched cDNA libraries of the Korean native pig as a source of genetic diversity. <i>Biotechnology and Bioprocess Engineering</i> , 2007, 12, 424-432. | 2.6 | 3 |
| 179 | Screening of genes related to methylglyoxal susceptibility. <i>Journal of Microbiology</i> , 2007, 45, 339-43. | 2.8 | 3 |
| 180 | Significant IgG-immunoreactivity of the spermatogonia of the germ cell-depleted testis after busulfan treatment. <i>Animal Reproduction Science</i> , 2006, 91, 317-335. | 1.5 | 11 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 181 | Verification that Snuppy is a clone. <i>Nature</i> , 2006, 440, E2-E3. | 27.8 | 16 |
| 182 | Conversion of Methylglyoxal to Acetol by <i>Escherichia coli</i> Aldo-Keto Reductases. <i>Journal of Bacteriology</i> , 2005, 187, 5782-5789. | 2.2 | 94 |
| 183 | Structural Insights into the Monosaccharide Specificity of <i>Escherichia coli</i> Rhamnose Mutarotase. <i>Journal of Molecular Biology</i> , 2005, 349, 153-162. | 4.2 | 26 |
| 184 | Identification of genes differentially expressed in wild type and Purkinje cell degeneration mice. <i>Molecules and Cells</i> , 2005, 20, 219-27. | 2.6 | 6 |
| 185 | Ribose Utilization with an Excess of Mutarotase Causes Cell Death Due to Accumulation of Methylglyoxal. <i>Journal of Bacteriology</i> , 2004, 186, 7229-7235. | 2.2 | 26 |
| 186 | Comparative analysis of the responses to intruders with anxiety-related behaviors of mouse. <i>Korean Journal of Biological Sciences</i> , 2004, 8, 301-306. | 0.1 | 1 |
| 187 | NMR Analysis of Enzyme-Catalyzed and Free-Equilibrium Mutarotation Kinetics of Monosaccharides. <i>Journal of the American Chemical Society</i> , 2004, 126, 9180-9181. | 13.7 | 25 |
| 188 | Linkage of the locus for canine dewclaw to chromosome 16. <i>Genomics</i> , 2004, 83, 216-224. | 2.9 | 7 |
| 189 | Crystal Structures of Human DJ-1 and <i>Escherichia coli</i> Hsp31, Which Share an Evolutionarily Conserved Domain. <i>Journal of Biological Chemistry</i> , 2003, 278, 44552-44559. | 3.4 | 213 |
| 190 | Hinge-bending Motion of d-Allose-binding Protein from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 14077-14084. | 3.4 | 64 |
| 191 | H-NS-Dependent Regulation of Flagellar Synthesis Is Mediated by a LysR Family Protein. <i>Journal of Bacteriology</i> , 2000, 182, 4670-4672. | 2.2 | 100 |
| 192 | Two novel flagellar components and H-NS are involved in the motor function of <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 2000, 303, 371-382. | 4.2 | 128 |
| 193 | Structure of d-allose binding protein from <i>Escherichia coli</i> bound to d-allose at 1.8 Å... resolution 1 1 Edited by A. R. Fersht. <i>Journal of Molecular Biology</i> , 1999, 286, 1519-1531. | 4.2 | 56 |
| 194 | ebXML BP modeling toolkit. , 0, , . | | 1 |
| 195 | Transformation algorithms between BPEL4WS and BPML for the executable business process. , 0, , . | | 4 |