

# Chankyu Park

## 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.

186  
papers

4,938  
citations

35  
h-index

64  
g-index

198  
ext. papers

5,885  
ext. citations

4.8  
avg, IF

5.26  
L-index

#	Paper	IF	Citations
186	Analyses of pig genomes provide insight into porcine demography and evolution. <i>Nature</i> , <b>2012</b> , 491, 393-8	50.4	928
185	Crystal structures of human DJ-1 and Escherichia coli Hsp31, which share an evolutionarily conserved domain. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 44552-9	5.4	188
184	Minke whale genome and aquatic adaptation in cetaceans. <i>Nature Genetics</i> , <b>2014</b> , 46, 88-92	36.3	186
183	Human DJ-1 and its homologs are novel glyoxalases. <i>Human Molecular Genetics</i> , <b>2012</b> , 21, 3215-25	5.6	172
182	Two novel flagellar components and H-NS are involved in the motor function of Escherichia coli. <i>Journal of Molecular Biology</i> , <b>2000</b> , 303, 371-82	6.5	118
181	Assurance of mitochondrial integrity and mammalian longevity by the p62-Keap1-Nrf2-Nqo1 cascade. <i>EMBO Reports</i> , <b>2012</b> , 13, 150-6	6.5	110
180	Antiviral Potential of Nanoparticles-Can Nanoparticles Fight Against Coronaviruses?. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	91
179	H-NS-Dependent regulation of flagellar synthesis is mediated by a LysR family protein. <i>Journal of Bacteriology</i> , <b>2000</b> , 182, 4670-2	3.5	90
178	Hsp31 of Escherichia coli K-12 is glyoxalase III. <i>Molecular Microbiology</i> , <b>2011</b> , 81, 926-36	4.1	89
177	Conversion of methylglyoxal to acetol by Escherichia coli aldo-keto reductases. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 5782-9	3.5	83
176	Nonviral Genome Editing Based on a Polymer-Derivatized CRISPR Nanocomplex for Targeting Bacterial Pathogens and Antibiotic Resistance. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 957-967	6.3	80
175	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> , <b>2014</b> , 111, 7260-5	11.5	80
174	A metazoan ortholog of SpoT hydrolyzes ppGpp and functions in starvation responses. <i>Nature Structural and Molecular Biology</i> , <b>2010</b> , 17, 1188-94	17.6	80
173	Production of biallelic CMP-Neu5Ac hydroxylase knock-out pigs. <i>Scientific Reports</i> , <b>2013</b> , 3, 1981	4.9	68
172	Hypoxia-mediated autophagic flux inhibits silver nanoparticle-triggered apoptosis in human lung cancer cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 21688	4.9	64
171	Prevalence, antibiotic resistance, and molecular characterization of Salmonella serovars in retail meat products. <i>Journal of Food Protection</i> , <b>2011</b> , 74, 161-6	2.5	62
170	Adult porcine genome-wide DNA methylation patterns support pigs as a biomedical model. <i>BMC Genomics</i> , <b>2015</b> , 16, 743	4.5	61

169	Hinge-bending motion of D-allose-binding protein from Escherichia coli: three open conformations. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 14077-84	5.4	61
168	The complete swine olfactory subgenome: expansion of the olfactory gene repertoire in the pig genome. <i>BMC Genomics</i> , <b>2012</b> , 13, 584	4.5	58
167	Male- and female-derived somatic and germ cell-specific toxicity of silver nanoparticles in mouse. <i>Nanotoxicology</i> , <b>2016</b> , 10, 361-73	5.3	56
166	Novel glyoxalases from Arabidopsis thaliana. <i>FEBS Journal</i> , <b>2013</b> , 280, 3328-39	5.7	51
165	The PPAR $\beta$ -mediated inhibition of angiotensin II-induced premature senescence in human endothelial cells is SIRT1-dependent. <i>Biochemical Pharmacology</i> , <b>2012</b> , 84, 1627-34	6	50
164	Transcriptional activation of the aldehyde reductase YqhD by YqhC and its implication in glyoxal metabolism of Escherichia coli K-12. <i>Journal of Bacteriology</i> , <b>2010</b> , 192, 4205-14	3.5	50
163	Structure of D-allose binding protein from Escherichia coli bound to D-allose at 1.8 A resolution. <i>Journal of Molecular Biology</i> , <b>1999</b> , 286, 1519-31	6.5	49
162	Roles of microRNAs in mammalian reproduction: from the commitment of germ cells to peri-implantation embryos. <i>Biological Reviews</i> , <b>2019</b> , 94, 415-438	13.5	49
161	Internalization of silver nanoparticles into mouse spermatozoa results in poor fertilization and compromised embryo development. <i>Scientific Reports</i> , <b>2015</b> , 5, 11170	4.9	46
160	Genome-wide analysis of DNA methylation in pigs using reduced representation bisulfite sequencing. <i>DNA Research</i> , <b>2015</b> , 22, 343-55	4.5	45
159	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> , <b>2010</b> , 144, 177-81	5.8	42
158	Role of GldA in dihydroxyacetone and methylglyoxal metabolism of Escherichia coli K12. <i>FEMS Microbiology Letters</i> , <b>2008</b> , 279, 180-7	2.9	40
157	Cytotoxicity and Transcriptomic Analysis of Silver Nanoparticles in Mouse Embryonic Fibroblast Cells. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	40
156	Cationic lipid-nanoceria hybrids, a novel nonviral vector-mediated gene delivery into mammalian cells: investigation of the cellular uptake mechanism. <i>Scientific Reports</i> , <b>2016</b> , 6, 29197	4.9	39
155	Development of RNA aptamers for detection of Salmonella Enteritidis. <i>Journal of Microbiological Methods</i> , <b>2012</b> , 89, 79-82	2.8	38
154	Canine polydactyl mutations with heterogeneous origin in the conserved intronic sequence of LMBR1. <i>Genetics</i> , <b>2008</b> , 179, 2163-72	4	38
153	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> , <b>2013</b> , 14, 596	4.5	37
152	The cytotoxic effects of dimethyl sulfoxide in mouse preimplantation embryos: a mechanistic study. <i>Theranostics</i> , <b>2017</b> , 7, 4735-4752	12.1	36

151	Bacterial Responses to Glyoxal and Methylglyoxal: Reactive Electrophilic Species. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	34
150	Evaluation of Graphene Oxide Induced Cellular Toxicity and Transcriptome Analysis in Human Embryonic Kidney Cells. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	33
149	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> , <b>2008</b> , 54, 68-83	2.1	33
148	Genome-level identification, gene expression, and comparative analysis of porcine $\beta$ -defensin genes. <i>BMC Genetics</i> , <b>2012</b> , 13, 98	2.6	32
147	Activation of peroxisome proliferator-activated receptor $\gamma$ by rosiglitazone inhibits lipopolysaccharide-induced release of high mobility group box 1. <i>Mediators of Inflammation</i> , <b>2012</b> , 2012, 352807	4.3	32
146	Novel regulatory system nemRA-gloA for electrophile reduction in Escherichia coli K-12. <i>Molecular Microbiology</i> , <b>2013</b> , 88, 395-412	4.1	31
145	Ablation of Rassf2 induces bone defects and subsequent haematopoietic anomalies in mice. <i>EMBO Journal</i> , <b>2012</b> , 31, 1147-59	13	29
144	Biochanin A Ameliorates Arsenic-Induced Hepato- and Hematotoxicity in Rats. <i>Molecules</i> , <b>2016</b> , 21, 69	4.8	28
143	Cytotoxicity and Transcriptomic Analyses of Biogenic Palladium Nanoparticles in Human Ovarian Cancer Cells (SKOV3). <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	27
142	A novel protein quality control mechanism contributes to heat shock resistance of worldwide-distributed <i>Pseudomonas aeruginosa</i> clone C strains. <i>Environmental Microbiology</i> , <b>2015</b> , 17, 4511-26	5.2	27
141	TRIM11 negatively regulates IFN $\gamma$ production and antiviral activity by targeting TBK1. <i>PLoS ONE</i> , <b>2013</b> , 8, e63255	3.7	27
140	PPAR $\gamma$ inhibits UVB-induced secretion of MMP-1 through MKP-7-mediated suppression of JNK signaling. <i>Journal of Investigative Dermatology</i> , <b>2013</b> , 133, 2593-2600	4.3	25
139	Activation of PPAR $\gamma$ counteracts angiotensin II-induced ROS generation by inhibiting rac1 translocation in vascular smooth muscle cells. <i>Free Radical Research</i> , <b>2012</b> , 46, 912-9	4	25
138	Stereospecific mechanism of DJ-1 glyoxalases inferred from their hemithioacetal-containing crystal structures. <i>FEBS Journal</i> , <b>2014</b> , 281, 5447-62	5.7	24
137	Ligand-activated PPAR $\gamma$ inhibits UVB-induced senescence of human keratinocytes via PTEN-mediated inhibition of superoxide production. <i>Biochemical Journal</i> , <b>2012</b> , 444, 27-38	3.8	24
136	Structural insights into the monosaccharide specificity of Escherichia coli rhamnose mutarotase. <i>Journal of Molecular Biology</i> , <b>2005</b> , 349, 153-62	6.5	24
135	Efficient delivery of C/EBP beta gene into human mesenchymal stem cells via polyethylenimine-coated gold nanoparticles enhances adipogenic differentiation. <i>Scientific Reports</i> , <b>2016</b> , 6, 33784	4.9	23
134	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> , <b>2010</b> , 11, 143-9	1.6	23

133	NMR analysis of enzyme-catalyzed and free-equilibrium mutarotation kinetics of monosaccharides. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 9180-1	16.4	23
132	Intraovarian transplantation of primordial follicles fails to rescue chemotherapy injured ovaries. <i>Scientific Reports</i> , <b>2013</b> , 3, 1384	4.9	22
131	Ribose utilization with an excess of mutarotase causes cell death due to accumulation of methylglyoxal. <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 7229-35	3.5	22
130	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> , <b>2017</b> , 61,	5.9	21
129	Chitosan nanoparticles cause pre- and postimplantation embryo complications in mice. <i>Biology of Reproduction</i> , <b>2013</b> , 88, 88	3.9	21
128	Comparative proteomic analysis of malformed umbilical cords from somatic cell nuclear transfer-derived piglets: implications for early postnatal death. <i>BMC Genomics</i> , <b>2009</b> , 10, 511	4.5	21
127	α,3-galactosyltransferase deficiency in germ-free miniature pigs increases N-glycolylneuraminic acids as the xenoantigenic determinant in pig-human xenotransplantation. <i>Cellular Reprogramming</i> , <b>2012</b> , 14, 353-63	2.1	21
126	Development of real-time PCR for the detection of Clostridium perfringens in meats and vegetables. <i>Journal of Microbiology and Biotechnology</i> , <b>2012</b> , 22, 530-4	3.3	21
125	Conformational changes and ligand recognition of Escherichia coli D-xylose binding protein revealed. <i>Journal of Molecular Biology</i> , <b>2010</b> , 402, 657-68	6.5	20
124	Generation and characterization of mouse knockout for glyoxalase 1. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 490, 460-465	3.4	19
123	Mutations upregulating the flhDC operon of Escherichia coli K-12. <i>Journal of Microbiology</i> , <b>2013</b> , 51, 140-4		19
122	Alpha 1,3-galactosyltransferase deficiency in pigs increases sialyltransferase activities that potentially raise non-gal xenoantigenicity. <i>Journal of Biomedicine and Biotechnology</i> , <b>2011</b> , 2011, 560850		19
121	Characterization and role of fucose mutarotase in mammalian cells. <i>Glycobiology</i> , <b>2007</b> , 17, 955-62	5.8	18
120	Production of transgenic pig as an Alzheimer's disease model using a multi-cistronic vector system. <i>PLoS ONE</i> , <b>2017</b> , 12, e0177933	3.7	17
119	Vitrified canine testicular cells allow the formation of spermatogonial stem cells and seminiferous tubules following their xenotransplantation into nude mice. <i>Scientific Reports</i> , <b>2016</b> , 6, 21919	4.9	17
118	Systematic analysis of swine leukocyte antigen-DRB1 nucleotide polymorphisms using genomic DNA-based high-resolution genotyping and identification of new alleles. <i>Tissue Antigens</i> , <b>2011</b> , 77, 572-83		17
117	Nm23-M5 mediates round and elongated spermatid survival by regulating GPX-5 levels. <i>FEBS Letters</i> , <b>2009</b> , 583, 1292-8	3.8	17
116	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> , <b>2014</b> , 76, 44-50	4.3	16

115	Simple and comprehensive SLA-DQB1 genotyping using genomic PCR and direct sequencing. <i>Tissue Antigens</i> , <b>2010</b> , 76, 301-10		16
114	Establishment of a resource population of SLA haplotype-defined Korean native pigs. <i>Molecules and Cells</i> , <b>2010</b> , 29, 493-9	3.5	16
113	Green fluorescent protein as a scaffold for high efficiency production of functional bacteriotoxic proteins in Escherichia coli. <i>Scientific Reports</i> , <b>2016</b> , 6, 20661	4.9	16
112	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> , <b>2019</b> , 9, 11569	4.9	15
111	Conservation of the Sapsaree (Canis familiaris), a Korean Natural Monument, using somatic cell nuclear transfer. <i>Journal of Veterinary Medical Science</i> , <b>2009</b> , 71, 1217-20	1.1	15
110	Comprehensive and high-resolution typing of swine leukocyte antigen DQA from genomic DNA and determination of 25 new SLA class II haplotypes. <i>Tissue Antigens</i> , <b>2012</b> , 80, 528-35		14
109	Abnormal sperm development in pcd(3J) <sup>-/-</sup> mice: the importance of Agtpbp1 in spermatogenesis. <i>Molecules and Cells</i> , <b>2011</b> , 31, 39-48	3.5	14
108	Rapid determination of perv copy number from porcine genomic DNA by real-time polymerase chain reaction. <i>Animal Biotechnology</i> , <b>2011</b> , 22, 175-80	1.4	14
107	Molecular genetics: verification that Snuppy is a clone. <i>Nature</i> , <b>2006</b> , 440, E2-3	50.4	14
106	Ligand-activated PPAR $\alpha$ modulates the migration and invasion of melanoma cells by regulating Snail expression. <i>American Journal of Cancer Research</i> , <b>2014</b> , 4, 674-82	4.4	14
105	Glyoxal detoxification in Escherichia coli K-12 by NADPH dependent aldo-keto reductases. <i>Journal of Microbiology</i> , <b>2013</b> , 51, 527-30	3	13
104	Characterization of the Escherichia coli YajL, YhbO and ElbB glyoxalases. <i>FEMS Microbiology Letters</i> , <b>2016</b> , 363,	2.9	12
103	Identification and classification of endogenous retroviruses in the canine genome using degenerative PCR and in-silico data analysis. <i>Virology</i> , <b>2012</b> , 422, 195-204	3.6	12
102	Identification and classification of feline endogenous retroviruses in the cat genome using degenerate PCR and in silico data analysis. <i>Journal of General Virology</i> , <b>2013</b> , 94, 1587-1596	4.9	12
101	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> , <b>2011</b> , 74, 1756-61 <sup>2.5</sup>		12
100	Identification and classification of endogenous retroviruses in cattle. <i>Journal of Virology</i> , <b>2008</b> , 82, 582-76.6		12
99	Identification of Putative Biomarkers for the Early Stage of Porcine Spermatogonial Stem Cells Using Next-Generation Sequencing. <i>PLoS ONE</i> , <b>2016</b> , 11, e0147298	3.7	12
98	Characterization of male germ cell markers in canine testis. <i>Animal Reproduction Science</i> , <b>2017</b> , 182, 1-8	2.1	11

97	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. <i>Gene</i> , <b>2015</b> , 564, 228-32	3.8	11
96	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> , <b>2020</b> , 21,	6.3	11
95	Rapamycin ameliorates chitosan nanoparticle-induced developmental defects of preimplantation embryos in mice. <i>Oncotarget</i> , <b>2016</b> , 7, 74658-74677	3.3	11
94	Defining the genetic relationship of protegrin-related sequences and the in vivo expression of protegrins. <i>FEBS Journal</i> , <b>2014</b> , 281, 5420-31	5.7	10
93	Activation of peroxisome proliferator-activated receptor $\beta$ inhibits angiotensin II-induced activation of matrix metalloproteinase-2 in vascular smooth muscle cells. <i>Journal of Vascular Research</i> , <b>2014</b> , 51, 221-30	1.9	10
92	Significant IgG-immunoreactivity of the spermatogonia of the germ cell-depleted testis after busulfan treatment. <i>Animal Reproduction Science</i> , <b>2006</b> , 91, 317-35	2.1	10
91	Automatic Recognition of Children Engagement from Facial Video Using Convolutional Neural Networks. <i>IEEE Transactions on Affective Computing</i> , <b>2020</b> , 11, 696-707	5.7	10
90	Bacteria-derived metabolite, methylglyoxal, modulates the longevity of through TORC2/SGK-1/DAF-16 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 17142-17150	11.5	9
89	The novel cathelicidin of naked mole rats, Hg-CATH, showed potent antimicrobial activity and low cytotoxicity. <i>Gene</i> , <b>2018</b> , 676, 164-170	3.8	9
88	CD14 is a unique membrane marker of porcine spermatogonial stem cells, regulating their differentiation. <i>Scientific Reports</i> , <b>2019</b> , 9, 9980	4.9	9
87	Evaluation of reference genes in mouse preimplantation embryos for gene expression studies using real-time quantitative RT-PCR (RT-qPCR). <i>BMC Research Notes</i> , <b>2014</b> , 7, 675	2.3	9
86	Chromosome remodeling and differentiation of tetraploid embryos during preimplantation development. <i>Developmental Dynamics</i> , <b>2011</b> , 240, 1660-9	2.9	9
85	WeGAS: a web-based microbial genome annotation system. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2009</b> , 73, 213-6	2.1	9
84	Depigmentation of skin and hair color in the somatic cell cloned pig. <i>Developmental Dynamics</i> , <b>2009</b> , 238, 1701-8	2.9	9
83	Toxic Effects of Nonylphenol on Neonatal Testicular Development in Mouse Organ Culture. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	8
82	SLA-1 Genetic Diversity in Pigs: Extensive Analysis of Copy Number Variation, Heterozygosity, Expression, and Breed Specificity. <i>Scientific Reports</i> , <b>2020</b> , 10, 743	4.9	8
81	Recombination activating gene-2 severe combined immunodeficient pigs and mice engraft human induced pluripotent stem cells differently. <i>Oncotarget</i> , <b>2017</b> , 8, 69398-69407	3.3	8
80	Evaluation of Resmethrin Toxicity to Neonatal Testes in Organ Culture. <i>Toxicological Sciences</i> , <b>2020</b> , 173, 53-64	4.4	8

79	Epigenetic priming by Dot1l in lymphatic endothelial progenitors ensures normal lymphatic development and function. <i>Cell Death and Disease</i> , <b>2020</b> , 11, 14	9.8	8
78	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> , <b>2019</b> , 692, 88-93	3.8	8
77	Structural characterization of the genome of BERV gamma4, the most abundant endogenous retrovirus family in cattle. <i>Molecules and Cells</i> , <b>2008</b> , 26, 404-8	3.5	8
76	Stage-specific expression of Sal-like protein 4 in boar testicular germ cells. <i>Theriogenology</i> , <b>2017</b> , 101, 44-52	2.8	7
75	Species-specific expression of phosphoglycerate kinase 2 (PGK2) in the developing porcine testis. <i>Theriogenology</i> , <b>2018</b> , 110, 158-167	2.8	7
74	Expression patterns and role of SDF-1/CXCR4 axis in boar spermatogonial stem cells. <i>Theriogenology</i> , <b>2018</b> , 113, 221-228	2.8	7
73	In Vivo Generation of Neural Stem Cells Through Teratoma Formation. <i>Stem Cells and Development</i> , <b>2016</b> , 25, 1311-7	4.4	7
72	Sodium hypochlorite-mediated inactivation of Cronobacter spp. biofilms on conveyor belt chips. <i>Food Science and Biotechnology</i> , <b>2014</b> , 23, 1893-1896	3	7
71	DJR-1.2 of Caenorhabditis elegans is induced by DAF-16 in the dauer state. <i>Gene</i> , <b>2013</b> , 524, 373-6	3.8	7
70	Hybrid Facial Representations for Emotion Recognition. <i>ETRI Journal</i> , <b>2013</b> , 35, 1021-1028	1.4	7
69	Developmental arrest of scNT-derived fetuses by disruption of the developing endometrial gland as a result of impaired trophoblast migration and invasiveness. <i>Developmental Dynamics</i> , <b>2011</b> , 240, 627-39	2.9	7
68	α-microglobulin gene duplication in cetartiodactyla remains intact only in pigs and possibly confers selective advantage to the species. <i>PLoS ONE</i> , <b>2017</b> , 12, e0182322	3.7	7
67	Partial loss of interleukin 2 receptor gamma function in pigs provides mechanistic insights for the study of human immunodeficiency syndrome. <i>Oncotarget</i> , <b>2016</b> , 7, 50914-50926	3.3	7
66	Identification of Promiscuous African Swine Fever Virus T-Cell Determinants Using a Multiple Technical Approach. <i>Vaccines</i> , <b>2021</b> , 9,	5.3	7
65	Characterization of the bovine endogenous retrovirus beta3 genome. <i>Molecules and Cells</i> , <b>2008</b> , 25, 142-3.5	3.5	7
64	Structural alteration of Escherichia coli Hsp31 by thermal unfolding increases chaperone activity. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2013</b> , 1834, 621-8	4	6
63	CMP-Neu5Ac Hydroxylase Null Mice as a Model for Studying Metabolic Disorders Caused by the Evolutionary Loss of Neu5Gc in Humans. <i>BioMed Research International</i> , <b>2015</b> , 2015, 830315	3	6
62	Genomic rearrangements leading to overexpression of aldo-keto reductase YafB of Escherichia coli confer resistance to glyoxal. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 1979-88	3.5	6



61	Male-like sexual behavior of female mouse lacking fucose mutarotase. <i>BMC Genetics</i> , <b>2010</b> , 11, 62	2.6	6
60	A new HLA-B*40 variant, B*4073, identified by sequence-based typing in the Korean population. <i>Tissue Antigens</i> , <b>2008</b> , 71, 250-1		6
59	Knowledge-Based AOP Framework for Business Rule Aspects in Business Process. <i>ETRI Journal</i> , <b>2007</b> , 29, 477-488	1.4	6
58	Identification of a new HLA-A*24 variant, A*2474, by sequence-based typing in the Korean population. <i>Tissue Antigens</i> , <b>2008</b> , 71, 86-7		6
57	Altered gene expression profiles in mouse tetraploid blastocysts. <i>Journal of Reproduction and Development</i> , <b>2012</b> , 58, 344-52	2.1	6
56	Identification of genes differentially expressed in wild type and Purkinje cell degeneration mice. <i>Molecules and Cells</i> , <b>2005</b> , 20, 219-27	3.5	6
55	Pifithrin- $\alpha$ ameliorates resveratrol-induced two-cell block in mouse preimplantation embryos in vitro. <i>Theriogenology</i> , <b>2015</b> , 83, 862-73	2.8	5
54	Opossum Cathelicidins Exhibit Antimicrobial Activity Against a Broad Spectrum of Pathogens Including West Nile Virus. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 347	8.4	5
53	Analysis of the vomeronasal receptor repertoire, expression and allelic diversity in swine. <i>Genomics</i> , <b>2016</b> , 107, 208-15	4.3	5
52	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-2. <i>Tissue Antigens</i> , <b>2015</b> , 86, 255-66		5
51	Multi-view Facial Expression Recognition Using Parametric Kernel Eigenspace Method Based on Class Features <b>2013</b> ,		5
50	The dopamine D4 receptor polymorphism affects the canine fearfulness. <i>Animal Cells and Systems</i> , <b>2008</b> , 12, 77-83	2.3	5
49	Linkage of the locus for canine dewclaw to chromosome 16. <i>Genomics</i> , <b>2004</b> , 83, 216-24	4.3	5
48	Evaluation of testicular toxicity upon fetal exposure to bisphenol A using an organ culture method. <i>Chemosphere</i> , <b>2021</b> , 270, 129445	8.4	5
47	Analysis of peptide-SLA binding by establishing immortalized porcine alveolar macrophage cells with different SLA class II haplotypes. <i>Veterinary Research</i> , <b>2018</b> , 49, 96	3.8	5
46	A novel mouse model of atopic dermatitis that is T helper 2 (Th2)-polarized by an epicutaneous allergen. <i>Environmental Toxicology and Pharmacology</i> , <b>2018</b> , 58, 122-130	5.8	4
45	Determination of complete sequence information of the human ABO blood group orthologous gene in pigs and breed difference in blood type frequencies. <i>Gene</i> , <b>2018</b> , 640, 1-5	3.8	4
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40	Developing a toll-like receptor biosensor for Gram-positive bacterial detection and its storage strategies. <i>Analyst, The</i> , <b>2020</b> , 145, 6024-6031	5	4
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30	Screening of genes related to methylglyoxal susceptibility. <i>Journal of Microbiology</i> , <b>2007</b> , 45, 339-43	3	3
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