

Hongsheng Ouyang

List of Publications by Year in descending order

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83
papers

1,653
citations

304743
22
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361022
35
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89
all docs

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docs citations

89
times ranked

2016
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Efficient Generation of Myostatin Mutations in Pigs Using the CRISPR/Cas9 System. Scientific Reports, 2015, 5, 16623. | 3.3 | 126 |
| 2 | Highly efficient CRISPR/Cas9-mediated transgene knockin at the H11 locus in pigs. Scientific Reports, 2015, 5, 14253. | 3.3 | 105 |
| 3 | Piglets cloned from induced pluripotent stem cells. Cell Research, 2013, 23, 162-166. | 12.0 | 84 |
| 4 | Rosa26-targeted swine models for stable gene over-expression and Cre-mediated lineage tracing. Cell Research, 2014, 24, 501-504. | 12.0 | 77 |
| 5 | CRISPR/Cas9-mediated knockout of myostatin in Chinese indigenous Erhualian pigs. Transgenic Research, 2017, 26, 799-805. | 2.4 | 73 |
| 6 | Barriers for Deriving Transgene-Free Pig iPS Cells with Episomal Vectors. Stem Cells, 2015, 33, 3228-3238. | 3.2 | 60 |
| 7 | Genetically modified pigs are protected from classical swine fever virus. PLoS Pathogens, 2018, 14, e1007193. | 4.7 | 60 |
| 8 | Interactions of porcine circovirus 2 with its hosts. Virus Genes, 2016, 52, 437-444. | 1.6 | 50 |
| 9 | Generation and characterization of stable pig pregastrulation epiblast stem cell lines. Cell Research, 2022, 32, 383-400. | 12.0 | 48 |
| 10 | Long Non-coding RNAs Contribute to the Inhibition of Proliferation and EMT by Pterostilbene in Human Breast Cancer. Frontiers in Oncology, 2018, 8, 629. | 2.8 | 47 |
| 11 | Development of a Rapid Method for the Visible Detection of Pork DNA in Halal Products by Loop-Mediated Isothermal Amplification. Food Analytical Methods, 2016, 9, 565-570. | 2.6 | 38 |
| 12 | Efficient Generation of Orthologous Point Mutations in Pigs via CRISPR-assisted ssODN-mediated Homology-directed Repair. Molecular Therapy - Nucleic Acids, 2016, 5, e396. | 5.1 | 36 |
| 13 | Optimization of a CRISPR/Cas9-mediated Knock-in Strategy at the Porcine Rosa26 Locus in Porcine Foetal Fibroblasts. Scientific Reports, 2017, 7, 3036. | 3.3 | 36 |
| 14 | Transgenic shRNA pigs reduce susceptibility to foot and mouth disease virus infection. ELife, 2015, 4, e06951. | 6.0 | 35 |
| 15 | Induction of Germ Cell-like Cells from Porcine Induced Pluripotent Stem Cells. Scientific Reports, 2016, 6, 27256. | 3.3 | 32 |
| 16 | Preparation of a new type 2 diabetic miniature pig model via the CRISPR/Cas9 system. Cell Death and Disease, 2019, 10, 823. | 6.3 | 29 |
| 17 | Generation of pRSAD2 gene knock-in pig via CRISPR/Cas9 technology. Antiviral Research, 2020, 174, 104696. | 4.1 | 29 |
| 18 | Site-Specific Fat-1 Knock-In Enables Significant Decrease of n-6PUFAs/n-3PUFAs Ratio in Pigs. G3: Genes, Genomes, Genetics, 2018, 8, 1747-1754. | 1.8 | 28 |

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|----|--|-----|-----------|
| 19 | Pseudorabies virus can escape from CRISPR-Cas9-mediated inhibition. <i>Virus Research</i> , 2016, 223, 197-205. | 2.2 | 27 |
| 20 | Recent trends in click chemistry as a promising technology for virus-related research. <i>Virus Research</i> , 2018, 256, 21-28. | 2.2 | 26 |
| 21 | Efficient base editing by RNA-guided cytidine base editors (CBEs) in pigs. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 719-733. | 5.4 | 26 |
| 22 | Comparative analysis of different methods to enhance porcine circovirus 2 replication. <i>Journal of Virological Methods</i> , 2013, 187, 368-371. | 2.1 | 24 |
| 23 | Porcine circovirus 4 rescued from an infectious clone is replicable and pathogenic in vivo. <i>Transboundary and Emerging Diseases</i> , 2022, 69, . | 3.0 | 24 |
| 24 | In vitro inhibition of CSFV replication by multiple siRNA expression. <i>Antiviral Research</i> , 2011, 91, 209-216. | 4.1 | 22 |
| 25 | Human cells are permissive for the productive infection of porcine circovirus type 2 in vitro. <i>Scientific Reports</i> , 2019, 9, 5638. | 3.3 | 20 |
| 26 | Corrigendum. G3: Genes, Genomes, Genetics, 2018, 8, 2833-2840. | 1.8 | 19 |
| 27 | Apolipoprotein CIII regulates lipoprotein-associated phospholipase A2 expression via the MAPK and NF κ B pathways. <i>Biology Open</i> , 2015, 4, 661-665. | 1.2 | 18 |
| 28 | Nitro-oleic acid downregulates lipoprotein-associated phospholipase A2 expression via the p42/p44 MAPK and NF κ B pathways. <i>Scientific Reports</i> , 2014, 4, 4905. | 3.3 | 18 |
| 29 | Truncated C-terminus of fibrillin-1 induces Marfanoid-progeroid-lipodystrophy (MPL) syndrome in rabbit. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, . | 2.4 | 18 |
| 30 | Resveratrol suppresses lipoprotein-associated phospholipase A ₂ expression by reducing oxidative stress in macrophages and animal models. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1601112. | 3.3 | 17 |
| 31 | Expression, purification and antibody preparation using different constructs of PCV2 capsid protein. <i>International Journal of Biological Macromolecules</i> , 2014, 67, 289-294. | 7.5 | 16 |
| 32 | HMG-CoA reductase is negatively associated with PCV2 infection and PCV2-induced apoptotic cell death. <i>Journal of General Virology</i> , 2014, 95, 1330-1337. | 2.9 | 16 |
| 33 | LMNA-mutated Rabbits: A Model of Premature Aging Syndrome with Muscular Dystrophy and Dilated Cardiomyopathy. , 2019, 10, 102. | | 15 |
| 34 | N-3 polyunsaturated fatty acids attenuates triglyceride and inflammatory factors level in hfat-1 transgenic pigs. <i>Lipids in Health and Disease</i> , 2016, 15, 89. | 3.0 | 14 |
| 35 | Hepatic autophagy and mitophagy status in dairy cows with subclinical and clinical ketosis. <i>Journal of Dairy Science</i> , 2021, 104, 4847-4857. | 3.4 | 14 |
| 36 | Porcine circovirus 2 proliferation can be enhanced by stably expressing porcine IL-2 gene in PK-15 cell. <i>Virus Research</i> , 2017, 227, 143-149. | 2.2 | 12 |

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|----|---|-----|-----------|
| 37 | Data Mining and Validation of AMPK Pathway as a Novel Candidate Role Affecting Intramuscular Fat Content in Pigs. <i>Animals</i> , 2019, 9, 137. | 2.3 | 12 |
| 38 | A CRISPR-engineered swine model of COL2A1 deficiency recapitulates altered early skeletal developmental defects in humans. <i>Bone</i> , 2020, 137, 115450. | 2.9 | 12 |
| 39 | Overexpression of porcine lipoprotein-associated phospholipase A 2 in swine. <i>Biochemical and Biophysical Research Communications</i> , 2015, 465, 507-511. | 2.1 | 11 |
| 40 | Expression, purification and antibody preparation of PCV2 Rep and ORF3 proteins. <i>International Journal of Biological Macromolecules</i> , 2016, 86, 277-281. | 7.5 | 11 |
| 41 | Biomimetic Octopus-like Particles for Ultraspecific Capture and Detection of Pathogens. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22164-22170. | 8.0 | 11 |
| 42 | Construction of a recombinant human FGF1 expression vector for mammary gland-specific expression in human breast cancer cells. <i>Molecular and Cellular Biochemistry</i> , 2011, 354, 39-46. | 3.1 | 10 |
| 43 | Isoform-specific imprinting of the MEST gene in porcine parthenogenetic fetuses. <i>Gene</i> , 2015, 558, 287-290. | 2.2 | 10 |
| 44 | CRISPR/Cas9-Mediated Hitchhike Expression of Functional shRNAs at the Porcine miR-17-92 Cluster. <i>Cells</i> , 2019, 8, 113. | 4.1 | 10 |
| 45 | Development of Whole-Porcine Monoclonal Antibodies with Potent Neutralization Activity against Classical Swine Fever Virus from Single B Cells. <i>ACS Synthetic Biology</i> , 2019, 8, 989-1000. | 3.8 | 10 |
| 46 | Possible Targets of Pan-Coronavirus Antiviral Strategies for Emerging or Re-Emerging Coronaviruses. <i>Microorganisms</i> , 2021, 9, 1479. | 3.6 | 10 |
| 47 | Swine sperm induces neutrophil extracellular traps that entangle sperm and embryos. <i>Reproduction</i> , 2020, 160, 217-225. | 2.6 | 10 |
| 48 | Aberrant Expression of Xist in Aborted Porcine Fetuses Derived from Somatic Cell Nuclear Transfer Embryos. <i>International Journal of Molecular Sciences</i> , 2014, 15, 21631-21643. | 4.1 | 9 |
| 49 | Genotyping based on complete coding sequences of porcine circovirus type 3 is stable and reliable. <i>Infection, Genetics and Evolution</i> , 2020, 78, 104116. | 2.3 | 9 |
| 50 | Viruses from poultry and livestock pose continuous threats to human beings. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 9 |
| 51 | Propionate alleviates palmitic acid-induced endoplasmic reticulum stress by enhancing autophagy in calf hepatic cells. <i>Journal of Dairy Science</i> , 2021, 104, 9316-9326. | 3.4 | 9 |
| 52 | Germ cell-specific expression of Cre recombinase using the <i>VASA</i> promoter in the pig. <i>FEBS Open Bio</i> , 2016, 6, 50-55. | 2.3 | 8 |
| 53 | Immunogenicity evaluation of inactivated virus and purified proteins of porcine circovirus type 2 in mice. <i>BMC Veterinary Research</i> , 2018, 14, 137. | 1.9 | 8 |
| 54 | Investigation of the lncRNA THOR in Mice Highlights the Importance of Noncoding RNAs in Mammalian Male Reproduction. <i>Biomedicines</i> , 2021, 9, 859. | 3.2 | 8 |

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|----|--|-----|-----------|
| 55 | CRISPR/Cas9-Mediated Specific Integration of Fat-1 and IGF-1 at the pRosa26 Locus. <i>Genes</i> , 2021, 12, 1027. | 2.4 | 8 |
| 56 | HMEJ-mediated site-specific integration of a myostatin inhibitor increases skeletal muscle mass in porcine. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 26, 49-62. | 5.1 | 8 |
| 57 | Scriptaid affects histone acetylation and the expression of development-related genes at different stages of porcine somatic cell nuclear transfer embryo during early development. <i>Science Bulletin</i> , 2013, 58, 2044-2052. | 1.7 | 7 |
| 58 | Genomic imprinting analysis of Igf2/H19 in porcine cloned fetuses using parthenogenetic somatic cells as nuclear donors. <i>Biotechnology Letters</i> , 2014, 36, 1945-1952. | 2.2 | 7 |
| 59 | Expanded targeting scope and enhanced base editing efficiency in rabbit using optimized xCas9(3.7). <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 4155-4164. | 5.4 | 7 |
| 60 | Pyroptosis executioner gasdermin D contributes to host defense and promotes Th 1 immune response during <i>Neospora caninum</i> infection. <i>Veterinary Parasitology</i> , 2020, 286, 109254. | 1.8 | 7 |
| 61 | Pathological alterations in the gastrointestinal tract of a porcine model of DMD. <i>Cell and Bioscience</i> , 2021, 11, 131. | 4.8 | 7 |
| 62 | DNA methylation-mediated silencing of neuronatin (NNAT) in pig parthenogenetic fetuses. <i>Gene</i> , 2014, 552, 204-208. | 2.2 | 6 |
| 63 | IWP2 impairs the development of porcine somatic cell nuclear transfer embryos via Wnt signaling pathway inactivation. <i>Biomedical Reports</i> , 2017, 7, 36-40. | 2.0 | 6 |
| 64 | Free fatty acids impair autophagic activity and activate nuclear factor kappa B signaling and NLR family pyrin domain containing 3 inflammasome in calf hepatocytes. <i>Journal of Dairy Science</i> , 2021, 104, 11973-11982. | 3.4 | 6 |
| 65 | Porcine TRIM21 Enhances Porcine Circovirus 2 Infection and Host Immune Responses, But Inhibits Apoptosis of PCV2-Infected Cells. <i>Viruses</i> , 2022, 14, 156. | 3.3 | 6 |
| 66 | A dark-to-bright reporter cell for classical swine fever virus infection. <i>Antiviral Research</i> , 2015, 117, 44-51. | 4.1 | 5 |
| 67 | Live Cell Reporter Systems for Positive-Sense Single Strand RNA Viruses. <i>Applied Biochemistry and Biotechnology</i> , 2016, 178, 1567-1585. | 2.9 | 5 |
| 68 | HMGR inhibits the early stage of PCV2 infection, while PKC enhances the infection at the late stage*. <i>Virus Research</i> , 2017, 229, 41-47. | 2.2 | 5 |
| 69 | Porcine HMGR Inhibits Porcine Circovirus Type 2 Infection by Directly Interacting with the Viral Proteins. <i>Viruses</i> , 2019, 11, 544. | 3.3 | 5 |
| 70 | Current Status of Genetically Modified Pigs That Are Resistant to Virus Infection. <i>Viruses</i> , 2022, 14, 417. | 3.3 | 5 |
| 71 | Porcine ZC3H11A Is Essential for the Proliferation of Pseudorabies Virus and Porcine Circovirus 2. <i>ACS Infectious Diseases</i> , 2022, , . | 3.8 | 5 |
| 72 | Elevated expression of vascular endothelial growth factor (VEGF) 120 in parthenogenetic porcine placentas. <i>Biotechnology Letters</i> , 2014, 36, 913-917. | 2.2 | 4 |

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|----|---|-----|-----------|
| 73 | polyunsaturated fatty acids suppress lipoprotein-associated phospholipase A2 expression in macrophages and animal models. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1771-1779. | 3.3 | 4 |
| 74 | Characterization and comparative analysis of immunoglobulin lambda chain diversity in a neonatal porcine model. <i>Veterinary Immunology and Immunopathology</i> , 2018, 195, 84-91. | 1.2 | 4 |
| 75 | Abnormality of hepatic triglyceride metabolism in Apc/+ mice with colon cancer cachexia. <i>Life Sciences</i> , 2019, 227, 201-211. | 4.3 | 4 |
| 76 | Pig Cloning Using Somatic Cell Nuclear Transfer. <i>Methods in Molecular Biology</i> , 2021, 2239, 1-18. | 0.9 | 4 |
| 77 | TERT Promoter Revertant Mutation Inhibits Melanoma Growth through Intrinsic Apoptosis. <i>Biology</i> , 2022, 11, 141. | 2.8 | 3 |
| 78 | Single particle labeling of RNA virus in live cells. <i>Virus Research</i> , 2017, 237, 14-21. | 2.2 | 2 |
| 79 | Magnetic Multiarm Scaffold for the One-Step Purification of Epitope-Specific Neutralizing Antibodies. <i>Analytical Chemistry</i> , 2019, 91, 6172-6179. | 6.5 | 2 |
| 80 | Overexpression of NPC1L1 in the livers of transgenic Bama miniature pigs accelerates lipid peroxidation. <i>Genes and Genomics</i> , 2015, 37, 183-191. | 1.4 | 1 |
| 81 | Generation of a pHSPA6 gene-based multifunctional live cell sensor. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118919. | 4.1 | 1 |
| 82 | Nitro-oleic acid decreases transcription of the angiotensin II type I receptor gene in aortic smooth muscle cells. <i>Biotechnology and Bioprocess Engineering</i> , 2014, 19, 740-746. | 2.6 | 0 |
| 83 | AbSE Workflow: Rapid Identification of the Coding Sequence and Linear Epitope of the Monoclonal Antibody at the Single-cell Level. <i>ACS Synthetic Biology</i> , 2022, 11, 1856-1864. | 3.8 | 0 |