# Eileen I Chang

List of Publications by Year
in descending order



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|---|---|---|---|
| 30 papers | 501 citations | 687363 13 h-index | 713466 21 g-index |
| 30 all docs | 30 docs citations | 30 times ranked | 826 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Myosin Light Chain Phosphorylation Is Critical for Adaptation to Cardiac Stress. Circulation, 2012, 126, 2575-2588. | 1.6 | 87 |
| 2 | A Mouse Model of Human Congenital Heart Disease. Circulation: Cardiovascular Genetics, 2014, 7, 423-433. | 5.1 | 46 |
| 3 | Differential matrix metalloproteinase levels in adenocarcinoma and squamous cell carcinoma of the lung. Journal of Thoracic and Cardiovascular Surgery, 2010, 139, 984-990. | 0.8 | 36 |
| 4 | Cardiac-restricted overexpression of extracellular matrix metalloproteinase inducer causes myocardial remodeling and dysfunction in aging mice. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H1394-H1402. | 3.2 | 30 |
| 5 | Genomics of the fetal hypothalamic cellular response to transient hypoxia: endocrine, immune, and metabolic responses. Physiological Genomics, 2013, 45, 521-527. | 2.3 | 29 |
| 6 | Cellular phenotype transformation occurs during thoracic aortic aneurysm development. Journal of Thoracic and Cardiovascular Surgery, 2010, 140, 653-659. | 0.8 | 26 |
| 7 | Ketamine decreases inflammatory and immune pathways after transient hypoxia in late gestation fetal cerebral cortex. Physiological Reports, 2016, 4, e12741. | 1.7 | 23 |
| 8 | Ketamine suppresses hypoxiaâ€induced inflammatory responses in the lateâ€gestation ovine fetal kidney cortex. Journal of Physiology, 2016, 594, 1295-1310. | 2.9 | 23 |
| 9 | Skeletal muscle amino acid uptake is lower and alanine production is greater in late gestation intrauterine growth-restricted fetal sheep hindlimb. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 317, R615-R629. | 1.8 | 22 |
| 10 | Long-Term Localized High-Frequency Electric Stimulation Within the Myocardial Infarct. Circulation, 2010, 122, 20-32. | 1.6 | 17 |
| 11 | Post-hypoxia Invasion of the fetal brain by multidrug resistant Staphylococcus. Scientific Reports, 2017, 7, 6458. | 3.3 | 17 |
| 12 | Genomic Effect of Triclosan on the Fetal Hypothalamus: Evidence for Altered Neuropeptide Regulation. Endocrinology, 2016, 157, 2686-2697. | 2.8 | 15 |
| 13 | Rates of myogenesis and myofiber numbers are reduced in late gestation IUGR fetal sheep. Journal of Endocrinology, 2020, 244, 339-352. | 2.6 | 15 |
| 14 | Chemical complementation: small-molecule-based genetic selection in yeast. Biochemical and Biophysical Research Communications, 2003, 306, 774-780. | 2.1 | 14 |
| 15 | Transcriptomics of the fetal hypothalamic response to brachiocephalic occlusion and estradiol treatment. Physiological Genomics, 2014, 46, 523-532. | 2.3 | 12 |
| 16 | Ketamine Reduces Inflammation Pathways in the Hypothalamus and Hippocampus Following Transient Hypoxia in the Late-Gestation Fetal Sheep. Frontiers in Physiology, 2019, 9, 1858. | 2.8 | 12 |
| 17 | Ketamine Attenuates the ACTH Response to Hypoxia in Late-Gestation Ovine Fetus. Neonatology, 2015, 107, 249-255. | 2.0 | 11 |
| 18 | IGF-1 infusion to fetal sheep increases organ growth but not by stimulating nutrient transfer to the fetus. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E527-E538. | 3.5 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Fetal Sex Does Not Impact Placental Blood Flow or Placental Amino Acid Transfer in Late Gestation Pregnant Sheep With or Without Placental Insufficiency. Reproductive Sciences, 2022, 29, 1776-1789. | 2.5 | 9 |
| 20 | Lower citrate synthase activity, mitochondrial complex expression, and fewer oxidative myofibers characterize skeletal muscle from growth-restricted fetal sheep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2022, 322, R228-R240. | 1.8 | 8 |
| 21 | Ketamine modulates fetal hemodynamic and endocrine responses to umbilical cord occlusion. Physiological Reports, 2016, 4, e12962. | 1.7 | 7 |
| 22 | Coronary vascular growth matches IGFâ€1â€stimulated cardiac growth in fetal sheep. FASEB Journal, 2020, 34, 10041-10055. | 0.5 | 7 |
| 23 | A 1Âweek IGF-1 infusion decreases arterial insulin concentrations but increases pancreatic insulin content and islet vascularity in fetal sheep. Physiological Reports, 2018, 6, e13840. | 1.7 | 6 |
| 24 | Transcriptomics Modeling of the Late-Gestation Fetal Pituitary Response to Transient Hypoxia. PLoS ONE, 2016, 11, e0148465. | 2.5 | 6 |
| 25 | Reduced glucose-stimulated insulin secretion following a 1-wk IGF-1 infusion in late gestation fetal sheep is due to an intrinsic islet defect. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E1138-E1147. | 3.5 | 5 |
| 26 | Short-term disruption in regional left ventricular electrical conduction patterns increases interstitial matrix metalloproteinase activity. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H217-H224. | 3.2 | 4 |
| 27 | Effects of ketamine on the fetal transcriptomic response to umbilical cord occlusion: comparison with hypoxic hypoxia in the cerebral cortex. Journal of Physiology, 2018, 596, 6063-6077. | 2.9 | 3 |
| 28 | A Two-Week Insulin Infusion in Intrauterine Growth Restricted Fetal Sheep at 75% Gestation Increases Skeletal Myoblast Replication but Did Not Restore Muscle Mass or Increase Fiber Number. Frontiers in Endocrinology, 2021, 12, 785242. | 3.5 | 1 |
| 29 | Hypothalamic Global Gene Expression in Response to Hypoxia in Lateâ€Gestation Fetal Sheep. FASEB Journal, 2012, 26, 699.3. | 0.5 | 0 |
| 30 | A systems biology analysis of the genomics of probenecid action in the late gestation ovine fetal pituitary. FASEB Journal, 2013, 27, 1212.14. | 0.5 | 0 |