

Frans Schuit

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,232
citations

236612

25
h-index

344852

36
g-index

38
all docs

38
docs citations

38
times ranked

4159
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Loss of <i>Furin</i> in β -Cells Induces an mTORC1-ATF4 Anabolic Pathway That Leads to β -Cell Dysfunction. <i>Diabetes</i> , 2021, 70, 492-503. | 0.3 | 20 |
| 2 | Regional effect on the molecular clock rate of protein evolution in Eutherian and Metatherian genomes. <i>Bmc Ecology and Evolution</i> , 2021, 21, 153. | 0.7 | 0 |
| 3 | Sequencing refractory regions in bird genomes are hotspots for accelerated protein evolution. <i>Bmc Ecology and Evolution</i> , 2021, 21, 176. | 0.7 | 8 |
| 4 | Transcriptional Changes in Kidney Allografts with Histology of Antibody-Mediated Rejection without Anti-HLA Donor-Specific Antibodies. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 2168-2183. | 3.0 | 60 |
| 5 | GC content of vertebrate exome landscapes reveal areas of accelerated protein evolution. <i>BMC Evolutionary Biology</i> , 2019, 19, 144. | 3.2 | 15 |
| 6 | COX6A2 variants cause a muscle-specific cytochrome c oxidase deficiency. <i>Annals of Neurology</i> , 2019, 86, 193-202. | 2.8 | 21 |
| 7 | Functional peroxisomes are required for β -cell integrity in mice. <i>Molecular Metabolism</i> , 2019, 22, 71-83. | 3.0 | 27 |
| 8 | Natural killer cell infiltration is discriminative for antibody-mediated rejection and predicts outcome after kidney transplantation. <i>Kidney International</i> , 2019, 95, 188-198. | 2.6 | 116 |
| 9 | Gene and Mirna Regulatory Networks During Different Stages of Crohn's Disease. <i>Journal of Crohn's and Colitis</i> , 2019, 13, 916-930. | 0.6 | 41 |
| 10 | Vitamin D Binding Protein: A Historic Overview. <i>Frontiers in Endocrinology</i> , 2019, 10, 910. | 1.5 | 167 |
| 11 | Effect of vedolizumab (anti- α 4 β 7-integrin) therapy on histological healing and mucosal gene expression in patients with UC. <i>Gut</i> , 2018, 67, 43-52. | 6.1 | 137 |
| 12 | Adrenal hormones mediate disease tolerance in malaria. <i>Nature Communications</i> , 2018, 9, 4525. | 5.8 | 27 |
| 13 | Transgenic Artifacts Caused by Passenger Human Growth Hormone. <i>Trends in Endocrinology and Metabolism</i> , 2018, 29, 670-674. | 3.1 | 5 |
| 14 | Early differences in islets from prediabetic NOD mice: combined microarray and proteomic analysis. <i>Diabetologia</i> , 2017, 60, 475-489. | 2.9 | 31 |
| 15 | Steviol glycosides enhance pancreatic beta-cell function and taste sensation by potentiation of TRPM5 channel activity. <i>Nature Communications</i> , 2017, 8, 14733. | 5.8 | 136 |
| 16 | How stable is repression of disallowed genes in pancreatic islets in response to metabolic stress?. <i>PLoS ONE</i> , 2017, 12, e0181651. | 1.1 | 16 |
| 17 | Disallowed and Allowed Gene Expression: Two Faces of Mature Islet Beta Cells. <i>Annual Review of Nutrition</i> , 2016, 36, 45-71. | 4.3 | 74 |
| 18 | Serotonin competence of mouse beta cells during pregnancy. <i>Diabetologia</i> , 2016, 59, 1356-1363. | 2.9 | 29 |

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|----|---|-----|-----------|
| 19 | Longitudinal three-dimensional visualisation of autoimmune diabetes by functional optical coherence imaging. <i>Diabetologia</i> , 2016, 59, 550-559. | 2.9 | 30 |
| 20 | Genetic Deletion of Tissue Inhibitor of Metalloproteinase-1/TIMP-1 Alters Inflammation and Attenuates Fibrosis in Dextran Sodium Sulphate-induced Murine Models of Colitis. <i>Journal of Crohn's and Colitis</i> , 2016, 10, 1336-1350. | 0.6 | 34 |
| 21 | Effect of a transcriptional inactive or absent vitamin D receptor on beta-cell function and glucose homeostasis in mice. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 164, 309-317. | 1.2 | 13 |
| 22 | Comparative genomics: beyond the horizon of the next research grant. <i>Diabetologia</i> , 2015, 58, 1720-1724. | 2.9 | 3 |
| 23 | Vitamin D3 Induces Tolerance in Human Dendritic Cells by Activation of Intracellular Metabolic Pathways. <i>Cell Reports</i> , 2015, 10, 711-725. | 2.9 | 228 |
| 24 | Inflammation-Induced Downregulation of Butyrate Uptake and Oxidation Is Not Caused by a Reduced Gene Expression. <i>Journal of Cellular Physiology</i> , 2015, 230, 418-426. | 2.0 | 9 |
| 25 | Prolactin Receptors and Placental Lactogen Drive Male Mouse Pancreatic Islets to Pregnancy-Related mRNA Changes. <i>PLoS ONE</i> , 2015, 10, e0121868. | 1.1 | 39 |
| 26 | Metabolic and Behavioural Phenotypes in Nestin-Cre Mice Are Caused by Hypothalamic Expression of Human Growth Hormone. <i>PLoS ONE</i> , 2015, 10, e0135502. | 1.1 | 61 |
| 27 | Impaired Islet Function in Commonly Used Transgenic Mouse Lines due to Human Growth Hormone Minigene Expression. <i>Cell Metabolism</i> , 2014, 20, 979-990. | 7.2 | 145 |
| 28 | Integrated miRNA and mRNA Expression Profiling in Inflamed Colon of Patients with Ulcerative Colitis. <i>PLoS ONE</i> , 2014, 9, e116117. | 1.1 | 73 |
| 29 | Phlorizin Pretreatment Reduces Acute Renal Toxicity in a Mouse Model for Diabetic Nephropathy. <i>Journal of Biological Chemistry</i> , 2013, 288, 27200-27207. | 1.6 | 41 |
| 30 | β -Cell-Specific Gene Repression: A Mechanism to Protect Against Inappropriate or Maladjusted Insulin Secretion?. <i>Diabetes</i> , 2012, 61, 969-975. | 0.3 | 66 |
| 31 | Zinc transporters and their role in the pancreatic β -cell. <i>Journal of Diabetes Investigation</i> , 2012, 3, 202-211. | 1.1 | 51 |
| 32 | Role of furin in granular acidification in the endocrine pancreas: Identification of the V-ATPase subunit Ac45 as a candidate substrate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12319-12324. | 3.3 | 80 |
| 33 | Physical Exercise-Induced Hypoglycemia Caused by Failed Silencing of Monocarboxylate Transporter 1 in Pancreatic β Cells. <i>American Journal of Human Genetics</i> , 2007, 81, 467-474. | 2.6 | 213 |
| 34 | A Glucose Sensor Role for Glucokinase in Anterior Pituitary Cells. <i>Diabetes</i> , 2006, 55, 1923-1929. | 0.3 | 45 |
| 35 | Prior in vitro exposure to GLP-1 with or without GIP can influence the subsequent beta cell responsiveness. <i>Biochemical Pharmacology</i> , 2004, 68, 33-39. | 2.0 | 23 |
| 36 | Glucose-Regulated Gene Expression Maintaining the Glucose-Responsive State of β -Cells. <i>Diabetes</i> , 2002, 51, S326-S332. | 0.3 | 106 |

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|----|--|-----|-----------|
| 37 | Intercellular Differences in Interleukin 1 β -Induced Suppression of Insulin Synthesis and Stimulation of Noninsulin Protein Synthesis by Rat Pancreatic β -Cells*. Endocrinology, 1998, 139, 1540-1545. | 1.4 | 39 |