# Jennifer E Bruin

List of Publications by Year
in descending order



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|---|---|---|---|
| 36 papers | 3,609 citations | 331259 21 h-index | 377514 34 g-index |
| 40 all docs | 40 docs citations | 40 times ranked | 4007 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Persistent organic pollutants and Î²-cell toxicity: a comprehensive review. American Journal of Physiology - Endocrinology and Metabolism, 2022, 322, E383-E413. | 1.8 | 25 |
| 2 | Prolonged Low-Dose Dioxin Exposure Impairs Metabolic Adaptability to High-Fat Diet Feeding in Female but Not Male Mice. Endocrinology, 2021, 162, . | 1.4 | 12 |
| 3 | Deletion of pancreas-specific miR-216a reduces beta-cell mass and inhibits pancreatic cancer progression in mice. Cell Reports Medicine, 2021, 2, 100434. | 3.3 | 10 |
| 4 | Sex-specific Associations Between Type 2 Diabetes Incidence and Exposure to Dioxin and Dioxin-like Pollutants: A Meta-analysis. Frontiers in Toxicology, 2021, 3, 685840. | 1.6 | 4 |
| 5 | Functional cytochrome P450 1A enzymes are induced in mouse and human islets following pollutant exposure. Diabetologia, 2020, 63, 162-178. | 2.9 | 35 |
| 6 | Female mice exposed to low doses of dioxin during pregnancy and lactation have increased susceptibility to diet-induced obesity and diabetes. Molecular Metabolism, 2020, 42, 101104. | 3.0 | 14 |
| 7 | Long-term metabolic consequences of acute dioxin exposure differ between male and female mice. Scientific Reports, 2020, 10, 1448. | 1.6 | 23 |
| 8 | Human Pluripotent Stem Cells: A Unique Tool for Toxicity Testing in Pancreatic Progenitor and Endocrine Cells. Frontiers in Endocrinology, 2020, 11, 604998. | 1.5 | 2 |
| 9 | Sex Differences in Maturation of Human Embryonic Stem Cellâ€"Derived Î² Cells in Mice. Endocrinology, 2018, 159, 1827-1841. | 1.4 | 44 |
| 10 | Effects of Pregnancy on Transplanted Pancreatic Beta Cell Progenitors Derived from Human Embryonic Stem CellsImage 7. Canadian Journal of Diabetes, 2016, 40, S13-S14. | 0.4 | 0 |
| 11 | Hypothyroidism Impairs Human Stem Cellâ€"Derived Pancreatic Progenitor Cell Maturation in Mice. Diabetes, 2016, 65, 1297-1309. | 0.3 | 31 |
| 12 | Reduced Insulin Production Relieves Endoplasmic Reticulum Stress and Induces Î² Cell Proliferation. Cell Metabolism, 2016, 23, 179-193. | 7.2 | 160 |
| 13 | Accelerated Maturation of Human Stem Cell-Derived Pancreatic Progenitor Cells into Insulin-Secreting Cells in Immunodeficient Rats Relative to Mice. Stem Cell Reports, 2015, 5, 1081-1096. | 2.3 | 65 |
| 14 | Differentiation of human pluripotent stem cells into Î²-cells: Potential and challenges. Best Practice and Research in Clinical Endocrinology and Metabolism, 2015, 29, 833-847. | 2.2 | 40 |
| 15 | Characterization of Antibodies to Products of Proinsulin Processing Using Immunofluorescence Staining of Pancreas in Multiple Species. Journal of Histochemistry and Cytochemistry, 2015, 63, 646-662. | 1.3 | 32 |
| 16 | Treating Diet-Induced Diabetes and Obesity with Human Embryonic Stem Cell-Derived Pancreatic Progenitor Cells and Antidiabetic Drugs. Stem Cell Reports, 2015, 4, 605-620. | 2.3 | 64 |
| 17 | Replacing and safeguarding pancreatic Î² cells for diabetes. Science Translational Medicine, 2015, 7, 316ps23. | 5.8 | 39 |
| 18 | Characterization of polyhormonal insulin-producing cells derived in vitro from human embryonic stem cells. Stem Cell Research, 2014, 12, 194-208. | 0.3 | 133 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Reversal of diabetes with insulin-producing cells derived in vitro from human pluripotent stem cells. Nature Biotechnology, 2014, 32, 1121-1133. | 9.4 | 1,253 |
| 20 | Maturation and function of human embryonic stem cell-derived pancreatic progenitors in macroencapsulation devices following transplant into mice. Diabetologia, 2013, 56, 1987-1998. | 2.9 | 177 |
| 21 | Enrichment of human embryonic stem cell-derived NKX6.1-expressing pancreatic progenitor cells accelerates the maturation of insulin-secreting cells in vivo. Stem Cells, 2013, 31, 2432-2442. | 1.4 | 233 |
| 22 | Implanted islets in the anterior chamber of the eye are prone to autoimmune attack in a mouse model of diabetes. Diabetologia, 2013, 56, 2213-2221. | 2.9 | 36 |
| 23 | Leptin Administration Enhances Islet Transplant Performance in Diabetic Mice. Diabetes, 2013, 62, 2738-2746. | 0.3 | 14 |
| 24 | Impaired Ca2+ Signaling in Î²-Cells Lacking Leptin Receptors by Cre-loxP Recombination. PLoS ONE, 2013, 8, e71075. | 1.1 | 12 |
| 25 | Maternal antioxidants prevent Î²â€cell apoptosis and promote formation of dual hormoneâ€expressing endocrine cells in male offspring following fetal and neonatal nicotine exposure. Journal of Diabetes, 2012, 4, 297-306. | 0.8 | 16 |
| 26 | Restoring insulin production for type 1 diabetes. Journal of Diabetes, 2012, 4, 319-331. | 0.8 | 17 |
| 27 | Differentiation of Human Embryonic Stem Cells into Pancreatic Endocrine Cells. Stem Cells and Cancer Stem Cells, 2012, , 191-206. | 0.1 | 3 |
| 28 | Maturation of Human Embryonic Stem Cellâ€"Derived Pancreatic Progenitors Into Functional Islets Capable of Treating Pre-existing Diabetes in Mice. Diabetes, 2012, 61, 2016-2029. | 0.3 | 493 |
| 29 | Leptin Administration Improves Islet Transplant Efficacy in Streptozotocin-induced Diabetic Mice. Canadian Journal of Diabetes, 2012, 36, S63. | 0.4 | 0 |
| 30 | Effect of in utero and lactational nicotine exposure on the male reproductive tract in peripubertal and adult rats. Reproductive Toxicology, 2011, 31, 418-423. | 1.3 | 19 |
| 31 | Rosiglitazone improves pancreatic mitochondrial function in an animal model of dysglycemia: role of the insulin-like growth factor axis. Endocrine, 2010, 37, 303-311. | 1.1 | 6 |
| 32 | Long-Term Consequences of Fetal and Neonatal Nicotine Exposure: A Critical Review. Toxicological Sciences, 2010, 116, 364-374. | 1.4 | 307 |
| 33 | Maternal nicotine exposure increases oxidative stress in the offspring. Free Radical Biology and Medicine, 2008, 44, 1919-1925. | 1.3 | 81 |
| 34 | Increased Pancreatic Beta-Cell Apoptosis following Fetal and Neonatal Exposure to Nicotine Is Mediated via the Mitochondria. Toxicological Sciences, 2008, 103, 362-370. | 1.4 | 65 |
| 35 | Fetal and Neonatal Nicotine Exposure in Wistar Rats Causes Progressive Pancreatic Mitochondrial Damage and Beta Cell Dysfunction. PLoS ONE, 2008, 3, e3371. | 1.1 | 68 |
| 36 | Fetal and neonatal nicotine exposure and postnatal glucose homeostasis: identifying critical windows of exposure. Journal of Endocrinology, 2007, 194, 171-178. | 1.2 | 73 |