

# Shimon Efrat

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/472437/publications.pdf>

Version: 2024-02-01

28  
papers

1,528  
citations

471509

17  
h-index

526287

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2181  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Epigenetic Memory and Preferential Lineage-Specific Differentiation in Induced Pluripotent Stem Cells Derived from Human Pancreatic Islet Beta Cells. <i>Cell Stem Cell</i> , 2011, 9, 17-23.                             | 11.1 | 563       |
| 2  | In Vitro Proliferation of Cells Derived From Adult Human $\beta$ <sup>2</sup> -Cells Revealed By Cell-Lineage Tracing. <i>Diabetes</i> , 2008, 57, 1575-1583.   | 0.6  | 185       |
| 3  | Epithelial-Mesenchymal Transition in Cells Expanded In Vitro from Lineage-Traced Adult Human Pancreatic Beta Cells. <i>PLoS ONE</i> , 2009, 4, e6417.   | 2.5  | 113       |
| 4  | Correction of Hyperglycemia in Diabetic Mice Transplanted with Reversibly Immortalized Pancreatic $\beta$ <sup>2</sup> Cells Controlled by the tet-on Regulatory System. <i>Cell Transplantation</i> , 2001, 10, 645-650. | 2.5  | 82        |
| 5  | HES-1 Is Involved in Adaptation of Adult Human $\beta$ <sup>2</sup> -Cells to Proliferation In Vitro. <i>Diabetes</i> , 2008, 57, 2413-2420.  | 0.6  | 61        |
| 6  | MiR-375 Promotes Redifferentiation of Adult Human $\beta$ <sup>2</sup> Cells Expanded In Vitro. <i>PLoS ONE</i> , 2015, 10, e0122108.   | 2.5  | 57        |
| 7  | Redifferentiation of Expanded Human Pancreatic $\beta$ <sup>2</sup> -Cell-derived Cells by Inhibition of the NOTCH Pathway. <i>Journal of Biological Chemistry</i> , 2012, 287, 17269-17280.                              | 3.4  | 56        |
| 8  | Cell replacement therapy for type 1 diabetes. <i>Trends in Molecular Medicine</i> , 2002, 8, 334-340.   | 6.7  | 51        |
| 9  | Beta-cell replacement for insulin-dependent diabetes mellitus. <i>Advanced Drug Delivery Reviews</i> , 2008, 60, 114-123.   | 13.7 | 50        |
| 10 | Beta-Cell Dedifferentiation in Type 2 Diabetes: Concise Review. <i>Stem Cells</i> , 2019, 37, 1267-1272.  | 3.2  | 34        |
| 11 | Redifferentiation of Adult Human $\beta$ <sup>2</sup> Cells Expanded In Vitro by Inhibition of the WNT Pathway. <i>PLoS ONE</i> , 2014, 9, e112914.   | 2.5  | 30        |
| 12 | TGF $\beta$ <sup>2</sup> Pathway Inhibition Redifferentiates Human Pancreatic Islet $\beta$ <sup>2</sup> Cells Expanded In Vitro. <i>PLoS ONE</i> , 2015, 10, e0139168.   | 2.5  | 30        |
| 13 | Genetically Engineered Pancreatic $\beta$ <sup>2</sup> -Cell Lines for Cell Therapy of Diabetes. <i>Annals of the New York Academy of Sciences</i> , 1999, 875, 286-293.  | 3.8  | 27        |
| 14 | Making $\beta$ <sup>2</sup> cells from adult tissues. <i>Trends in Endocrinology and Metabolism</i> , 2012, 23, 278-285.  | 7.1  | 27        |
| 15 | Regulation of Insulin Secretion: Insights from Engineered $\beta$ <sup>2</sup> -cell Lines. <i>Annals of the New York Academy of Sciences</i> , 2004, 1014, 88-96.  | 3.8  | 26        |
| 16 | Ex-vivo Expansion of Adult Human Pancreatic Beta-Cells. <i>Review of Diabetic Studies</i> , 2008, 5, 116-122.   | 1.3  | 22        |
| 17 | Redifferentiation of expanded human islet $\beta$ <sup>2</sup> cells by inhibition of ARX. <i>Scientific Reports</i> , 2016, 6, 20698.  | 3.3  | 18        |
| 18 | Inhibition of ZEB1 expression induces redifferentiation of adult human $\beta$ <sup>2</sup> cells expanded in vitro. <i>Scientific Reports</i> , 2015, 5, 13024.  | 3.3  | 17        |

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|----|---|-----|-----------|
| 19 | Genes induced by growth arrest in a pancreatic $\beta^2$ cell line: identification by analysis of cDNA arrays. FEBS Letters, 1999, 457, 65-70.                              | 2.8 | 16        |
| 20 | Genes Associated with Pancreas Development and Function Maintain Open Chromatin in iPSCs Generated from Human Pancreatic Beta Cells. Stem Cell Reports, 2017, 9, 1395-1405. | 4.8 | 15        |
| 21 | Epigenetic Memory: Lessons From iPSC Cells Derived From Human $\beta^2$ Cells. Frontiers in Endocrinology, 2020, 11, 614234.  | 3.5 | 14        |
| 22 | The NOTCH Pathway in $\beta^2$ -Cell Growth and Differentiation. Vitamins and Hormones, 2014, 95, 391-405.  | 1.7 | 13        |
| 23 | $\beta^2$ -Cell Expansion for Therapeutic Compensation of Insulin Resistance in Type 2 Diabetes. Experimental Diabetes Research, 2003, 4, 1-5.                              | 1.0 | 6         |
| 24 | Generation of surrogate beta cells from tissue stem cells. Current Diabetes Reports, 2004, 4, 298-303.  | 4.2 | 4         |
| 25 | Recent progress in generation of human surrogate $\beta^2$ cells. Current Opinion in Endocrinology, Diabetes and Obesity, 2013, 20, 259-264.                                | 2.3 | 4         |
| 26 | Generation of insulin-producing cells from stem cells for cell replacement therapy of type 1 diabetes. Israel Medical Association Journal, 2004, 6, 265-7.                  | 0.1 | 4         |
| 27 | Preventing Type 1 Diabetes Mellitus. Molecular Diagnosis and Therapy, 2002, 2, 129-134.   | 3.3 | 3         |
| 28 | Prospects of Stem Cell Therapy in Diabetes - Introduction to the RDS Special Issue. Review of Diabetic Studies, 2010, 7, 80-81.   | 1.3 | 0         |