Yuval Dor

List of Publications by Year
in descending order

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107 papers	16,505 citations	34076 52 h-index	25770 108 g-index
124 all docs	124 docs citations	124 times ranked	21231 citing authors

#	Article	IF	Citations
1	Role of HIF-1Î± in hypoxia-mediated apoptosis, cell proliferation and tumour angiogenesis. Nature, 1998, 394, 485-490.	13.7	2,565
2	Adult pancreatic Î²-cells are formed by self-duplication rather than stem-cell differentiation. Nature, 2004, 429, 41-46.	13.7	2,079
3	VEGF-Induced Adult Neovascularization: Recruitment, Retention, and Role of Accessory Cells. Cell, 2006, 124, 175-189.	13.5	1,092
4	The Histone Deacetylase Sirt6 Regulates Glucose Homeostasis via Hif1Î±. Cell, 2010, 140, 280-293.	13.5	880
5	Loss of HIF-2Î± and inhibition of VEGF impair fetal lung maturation, whereas treatment with VEGF prevents fatal respiratory distress in premature mice. Nature Medicine, 2002, 8, 702-710.	15.2	680
6	Comprehensive human cell-type methylation atlas reveals origins of circulating cell-free DNA in health and disease. Nature Communications, 2018, 9, 5068.	5.8	584
7	Ribosomal protein S6 phosphorylation is a determinant of cell size and glucose homeostasis. Genes and Development, 2005, 19, 2199-2211.	2.7	531
8	Recovery from diabetes in mice by Î² cell regeneration. Journal of Clinical Investigation, 2007, 117, 2553-2561.	3.9	525
9	Identification of tissue-specific cell death using methylation patterns of circulating DNA. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1826-34.	3.3	492
10	Principles of DNA methylation and their implications for biology and medicine. Lancet, The, 2018, 392, 777-786.	6.3	436
11	Conditional switching of VEGF provides new insights into adult neovascularization and pro-angiogenic therapy. EMBO Journal, 2002, 21, 1939-1947.	3.5	355
12	Control of Pancreatic Î² Cell Regeneration by Glucose Metabolism. Cell Metabolism, 2011, 13, 440-449.	7.2	266
13	Pten constrains centroacinar cell expansion and malignant transformation in the pancreas. Cancer Cell, 2005, 8, 185-195.	7.7	263
14	miRNAs control insulin content in pancreatic Î²-cells via downregulation of transcriptional repressors. EMBO Journal, 2011, 30, 835-845.	3.5	260
15	p16Ink4a-induced senescence of pancreatic beta cells enhances insulin secretion. Nature Medicine, 2016, 22, 412-420.	15.2	252
16	Diabetes Risk Gene and Wnt Effector Tcf7l2/TCF4 Controls Hepatic Response to Perinatal and Adult Metabolic Demand. Cell, 2012, 151, 1595-1607.	13.5	202
17	Transient cytokine treatment induces acinar cell reprogramming and regenerates functional beta cell mass in diabetic mice. Nature Biotechnology, 2014, 32, 76-83.	9.4	159
18	The activating receptor NKp46 is essential for the development of type 1 diabetes. Nature Immunology, 2010, 11, 121-128.	7.0	157

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19	Non-invasive detection of human cardiomyocyte death using methylation patterns of circulating DNA. Nature Communications, 2018, 9, 1443.	5.8	147
20	Sustained Neurog3 expression in hormone-expressing islet cells is required for endocrine maturation and function. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9715-9720.	3.3	143
21	LKB1 Regulates Pancreatic Î² Cell Size, Polarity, and Function. Cell Metabolism, 2009, 10, 296-308.	7.2	143
22	Pancreatic Lkb1 Deletion Leads to Acinar Polarity Defects and Cystic Neoplasms. Molecular and Cellular Biology, 2008, 28, 2414-2425.	1.1	137
23	Lineage Tracing Evidence for In Vitro Dedifferentiation but Rare Proliferation of Mouse Pancreatic Â-Cells. Diabetes, 2007, 56, 1299-1304.	0.3	129
24	PAX6 maintains Î² cell identity by repressing genes of alternative islet cell types. Journal of Clinical Investigation, 2016, 127, 230-243.	3.9	126
25	Type 2 Diabetes and Congenital Hyperinsulinism Cause DNA Double-Strand Breaks and p53 Activity in Î² Cells. Cell Metabolism, 2014, 19, 109-121.	7.2	123
26	A framework for identifying regional outbreak and spread of COVID-19 from one-minute population-wide surveys. Nature Medicine, 2020, 26, 634-638.	15.2	122
27	Weaning Triggers a Maturation Step of Pancreatic Î² Cells. Developmental Cell, 2015, 32, 535-545.	3.1	120
28	Metabolic Stress and Compromised Identity of Pancreatic Beta Cells. Frontiers in Genetics, 2017, 08, 21.	1.1	120
29	Systemic Regulation of the Age-Related Decline of Pancreatic Î²-Cell Replication. Diabetes, 2013, 62, 2843-2848.	0.3	112
30	Role of the ductal transcription factors HNF6 and Sox9 in pancreatic acinar-to-ductal metaplasia. Gut, 2012, 61, 1723-1732.	6.1	109
31	Activated pp60c-Src Leads to Elevated Hypoxia-inducible Factor (HIF)-1Î± Expression under Normoxia. Journal of Biological Chemistry, 2002, 277, 42919-42925.	1.6	106
32	AMPK Regulates ER Morphology and Function in Stressed Pancreatic Î²-Cells via Phosphorylation of DRP1. Molecular Endocrinology, 2013, 27, 1706-1723.	3.7	98
33	Hypoxia-inducible Factor-2Î± (HIF-2Î±) Is Involved in the Apoptotic Response to Hypoglycemia but Not to Hypoxia. Journal of Biological Chemistry, 2001, 276, 39192-39196.	1.6	96
34	Monitoring liver damage using hepatocyte-specific methylation markers in cell-free circulating DNA. JCI Insight, 2018, 3, .	2.3	94
35	Myt1 and Ngn3 form a feed-forward expression loop to promote endocrine islet cell differentiation. Developmental Biology, 2008, 317, 531-540.	0.9	90
36	The Plastic Pancreas. Developmental Cell, 2013, 26, 3-7.	3.1	82

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37	ChIP-seq of plasma cell-free nucleosomes identifies gene expression programs of the cells of origin. Nature Biotechnology, 2021, 39, 586-598.	9.4	81
38	mTORC1-to-AMPK switching underlies Î² cell metabolic plasticity during maturation and diabetes. Journal of Clinical Investigation, 2019, 129, 4124-4137.	3.9	80
39	Beta-Cell Dedifferentiation and Type 2 Diabetes. New England Journal of Medicine, 2013, 368, 572-573.	13.9	77
40	Ischemia-Driven Angiogenesis. Trends in Cardiovascular Medicine, 1997, 7, 289-294.	2.3	71
41	LKB1 and AMPK differentially regulate pancreatic Î²â€cell identity. FASEB Journal, 2014, 28, 4972-4985.	0.2	71
42	Four-dimensional realistic modeling of pancreatic organogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20374-20379.	3.3	69
43	Phosphorylation of Ribosomal Protein S6 Attenuates DNA Damage and Tumor Suppression during Development of Pancreatic Cancer. Cancer Research, 2013, 73, 1811-1820.	0.4	69
44	Ngn3+ endocrine progenitor cells control the fate and morphogenesis of pancreatic ductal epithelium. Developmental Biology, 2011, 359, 26-36.	0.9	68
45	Making vascular networks in the adult: branching morphogenesis without a roadmap. Trends in Cell Biology, 2003, 13, 131-136.	3.6	67
46	Dynamical compensation in physiological circuits. Molecular Systems Biology, 2016, 12, 886.	3.2	67
47	The Genetic Program of Pancreatic Î²-Cell Replication In Vivo. Diabetes, 2016, 65, 2081-2093.	0.3	66
48	Lessons from applied large-scale pooling of 133,816 SARS-CoV-2 RT-PCR tests. Science Translational Medicine, 2021, 13, .	5.8	66
49	Active Src Elevates the Expression of Î²-Catenin by Enhancement of Cap-Dependent Translation. Molecular and Cellular Biology, 2005, 25, 5031-5039.	1.1	62
50	Pancreatic Beta Cells in Very Old Mice Retain Capacity for Compensatory Proliferation. Journal of Biological Chemistry, 2012, 287, 27407-27414.	1.6	59
51	Facultative Endocrine Progenitor Cells in the Adult Pancreas. Cell, 2008, 132, 183-184.	13.5	57
52	Engineered Vascular Beds Provide Key Signals to Pancreatic Hormone-Producing Cells. PLoS ONE, 2012, 7, e40741.	1.1	57
53	A Transgenic Mouse Marking Live Replicating Cells Reveals InÂVivo Transcriptional Program of Proliferation. Developmental Cell, 2012, 23, 681-690.	3.1	54
54	Recognition and Killing of Human and Murine Pancreatic Î² Cells by the NK Receptor NKp46. Journal of Immunology, 2011, 187, 3096-3103.	0.4	53

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55	Genome-wide genetic and epigenetic analyses of pancreatic acinar cell carcinomas reveal aberrations in genome stability. Nature Communications, 2017, 8, 1323.	5.8	53
56	Induction of Vascular Networks in Adult Organs: Implications to Proangiogenic Therapy. Annals of the New York Academy of Sciences, 2003, 995, 208-216.	1.8	51
57	Â cell transdifferentiation does not contribute to preneoplastic/metaplastic ductal lesions of the pancreas by genetic lineage tracing in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4419-4424.	3.3	50
58	Islet cells share promoter hypomethylation independently of expression, but exhibit cell-typeâ€“specific methylation in enhancers. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13525-13530.	3.3	49
59	Pancreatic Î²-Cells Express the Fetal Islet Hormone Gastrin in Rodent and Human Diabetes. Diabetes, 2017, 66, 426-436.	0.3	47
60	Gastrin: A Distinct Fate of Neurogenin3 Positive Progenitor Cells in the Embryonic Pancreas. PLoS ONE, 2013, 8, e70397.	1.1	43
61	Sleeve Gastrectomy Improves Glycemia Independent of Weight Loss by Restoring Hepatic Insulin Sensitivity. Diabetes, 2018, 67, 1079-1085.	0.3	42
62	Towards systematic nomenclature for cell-free DNA. Human Genetics, 2021, 140, 565-578.	1.8	42
63	How Important are Adult Stem Cells for Tissue Maintenance?. Cell Cycle, 2004, 3, 1102-1104.	1.3	41
64	Beta cell heterogeneity: an evolving concept. Diabetologia, 2017, 60, 1363-1369.	2.9	40
65	Beta Cell Death by Cell-free DNA and Outcome After Clinical Islet Transplantation. Transplantation, 2018, 102, 978-985.	0.5	40
66	Detecting cell-of-origin and cancer-specific methylation features of cell-free DNA from Nanopore sequencing. Genome Biology, 2022, 23, .	3.8	40
67	Inhibition of mTORC1 by ER stress impairs neonatal Î²-cell expansion and predisposes to diabetes in the Akita mouse. ELife, 2018, 7, .	2.8	39
68	How to make pancreatic Î² cells â€" prospects for cell therapy in diabetes. Current Opinion in Biotechnology, 2005, 16, 524-529.	3.3	38
69	Growth-limiting role of endothelial cells in endoderm development. Developmental Biology, 2011, 352, 267-277.	0.9	38
70	Loss of Liver Kinase B1 (LKB1) in Beta Cells Enhances Glucose-stimulated Insulin Secretion Despite Profound Mitochondrial Defects. Journal of Biological Chemistry, 2015, 290, 20934-20946.	1.6	36
71	Î²-cell proliferation is the major source of new pancreatic Î² cells. Nature Clinical Practice Endocrinology and Metabolism, 2006, 2, 242-243.	2.9	35
72	Estimating Cell Depth from Somatic Mutations. PLoS Computational Biology, 2008, 4, e1000058.	1.5	35

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73	Î²-Cell DNA Damage Response Promotes Islet Inflammation in Type 1 Diabetes. Diabetes, 2018, 67, 2305-2318.	0.3	35
74	Multiplexing DNA methylation markers to detect circulating cell-free DNA derived from human pancreatic Î² cells. JCI Insight, 2020, 5, .	2.3	34
75	Dissecting the Cellular Origins of Pancreatic Cancer. Cell Cycle, 2006, 5, 43-46.	1.3	32
76	Postnatal Exocrine Pancreas Growth by Cellular Hypertrophy Correlates with a Shorter Lifespan in Mammals. Developmental Cell, 2018, 45, 726-737.e3.	3.1	32
77	Liquid biopsy reveals collateral tissue damage in cancer. JCI Insight, 2022, 7, .	2.3	32
78	Remote immune processes revealed by immune-derived circulating cell-free DNA. ELife, 2021, 10, .	2.8	28
79	G0-G1 Transition and the Restriction Point in Pancreatic Î²-Cells In Vivo. Diabetes, 2014, 63, 578-584.	0.3	27
80	Senolytic elimination of Cox2-expressing senescent cells inhibits the growth of premalignant pancreatic lesions. Gut, 2022, 71, 345-355.	6.1	26
81	Conditional Hypovascularization and Hypoxia in Islets Do Not Overtly Influence Adult Î²-Cell Mass or Function. Diabetes, 2013, 62, 4165-4173.	0.3	23
82	Building an international consortium for tracking coronavirus health status. Nature Medicine, 2020, 26, 1161-1165.	15.2	23
83	New sources of pancreatic beta cells. Current Diabetes Reports, 2007, 7, 304-308.	1.7	21
84	Vascular development in the vertebrate pancreas. Developmental Biology, 2016, 420, 67-78.	0.9	21
85	Phosphorylated Ribosomal Protein S6 Is Required for Akt-Driven Hyperplasia and Malignant Transformation, but Not for Hypertrophy, Aneuploidy and Hyperfunction of Pancreatic Î²-Cells. PLoS ONE, 2016, 11, e0149995.	1.1	21
86	What is a Î² cell? â€“ Chapter I in the Human Islet Research Network (HIRN) review series. Molecular Metabolism, 2021, 53, 101323.	3.0	20
87	Short-term overexpression of VEGF-A in mouse beta cells indirectly stimulates their proliferation and protects against diabetes. Diabetologia, 2014, 57, 140-147.	2.9	19
88	Digital Droplet PCR for Monitoring Tissueâ€Specific Cell Death Using DNA Methylation Patterns of Circulating Cellâ€Free DNA. Current Protocols in Molecular Biology, 2019, 127, e90.	2.9	19
89	Heat-induced cell cycle arrest of Saccharomyces cerevisiae : involvement of the RAD6/UBC2 and WSC2 genes in its reversal. Molecular Microbiology, 1999, 32, 729-739.	1.2	18
90	Role of the conserved carboxy-terminal alpha-helix of Rad6p in ubiquitination and DNA repair. Molecular Microbiology, 1996, 21, 1197-1206.	1.2	17

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91	Circulating Unmethylated Insulin DNA As a Biomarker of Human Beta Cell Death: A Multi-laboratory Assay Comparison. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 781-791.	1.8	17
92	A mouse model for sleeve gastrectomy: Applications for diabetes research. Microsurgery, 2011, 31, 66-71.	0.6	15
93	miR-17-92 and miR-106b-25 clusters regulate beta cell mitotic checkpoint and insulin secretion in mice. Diabetologia, 2019, 62, 1653-1666.	2.9	14
94	The Expression of the Beta Cell-Derived Autoimmune Ligand for the Killer Receptor Nkp46 Is Attenuated in Type 2 Diabetes. PLoS ONE, 2013, 8, e74033.	1.1	14
95	The core clock transcription factor BMAL1 drives circadian Î²-cell proliferation during compensatory regeneration of the endocrine pancreas. Genes and Development, 2020, 34, 1650-1665.	2.7	13
96	Regeneration in Liver and Pancreas: Time to Cut the Umbilical Cord?. Science's STKE: Signal Transduction Knowledge Environment, 2007, 2007, pe66.	4.1	12
97	Biphasic dynamics of beta cell mass in a mouse model of congenital hyperinsulinism: implications for type 2 diabetes. Diabetologia, 2021, 64, 1133-1143.	2.9	12
98	Transcriptional Noise and Somatic Mutations in the Aging Pancreas. Cell Metabolism, 2017, 26, 809-811.	7.2	11
99	Universal lung epithelium DNA methylation markers for detection of lung damage in liquid biopsies. European Respiratory Journal, 2022, 60, 2103056.	3.1	10
100	Conditional islet hypovascularisation does not preclude beta cell expansion during pregnancy in mice. Diabetologia, 2017, 60, 1051-1056.	2.9	9
101	Early sample tagging and pooling enables simultaneous SARS-CoV-2 detection and variant sequencing. Science Translational Medicine, 2021, 13, eabj2266.	5.8	9
102	Elevated brain-derived cell-free DNA among patients with first psychotic episode â€“ a proof-of-concept study. ELife, 0, 11, .	2.8	9
103	VEGF regulates relative allocation of Isl1 + cardiac progenitors to myocardial and endocardial lineages. Mechanisms of Development, 2016, 142, 40-49.	1.7	7
104	Pancreatic Cells and Their Progenitors. Methods in Enzymology, 2006, 419, 322-337.	0.4	6
105	In vitro expansion of cirrhosis derived liver epithelial cells with defined small molecules. Stem Cell Research, 2021, 56, 102523.	0.3	5
106	B cell-derived cfDNA after primary BNT162b2 mRNA vaccination anticipates memory B cells and SARS-CoV-2 neutralizing antibodies. Med, 2022, 3, 468-480.e5.	2.2	2
107	The Effect Of Various Types Of Exercise On Cell-free Circulating DNA. Medicine and Science in Sports and Exercise, 2020, 52, 1103-1104.	0.2	0