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	Senolytic elimination of Cox2-expressing senescent cells inhibits the growth of premalignant pancreatic lesions. Gut, 2022, 71, 345-355.	6.1	26
2	Liquid biopsy reveals collateral tissue damage in cancer. JCI Insight, 2022, 7, .	2.3	32
3	Universal lung epithelium DNA methylation markers for detection of lung damage in liquid biopsies. European Respiratory Journal, 2022, 60, 2103056.	3.1	10
4	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
5	Detecting cell-of-origin and cancer-specific methylation features of cell-free DNA from Nanopore sequencing. Genome Biology, 2022, 23, .	3.8	40
6	Towards systematic nomenclature for cell-free DNA. Human Genetics, 2021, 140, 565-578.	1.8	42
7	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
8	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
9	Lessons from applied large-scale pooling of 133,816 SARS-CoV-2 RT-PCR tests. Science Translational Medicine, 2021, 13, .	5.8	66
10	Early sample tagging and pooling enables simultaneous SARS-CoV-2 detection and variant sequencing. Science Translational Medicine, 2021, 13, eabj2266.	5.8	9
11	In vitro expansion of cirrhosis derived liver epithelial cells with defined small molecules. Stem Cell Research, 2021, 56, 102523.	0.3	5
12	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
13	Remote immune processes revealed by immune-derived circulating cell-free DNA. ELife, 2021, 10, .	2.8	28
14	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
15	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
16	Building an international consortium for tracking coronavirus health status. Nature Medicine, 2020, 26, 1161-1165.	15.2	23
17	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
18	Multiplexing DNA methylation markers to detect circulating cell-free DNA derived from human pancreatic Î² cells. JCI Insight, 2020, 5, .	2.3	34

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19	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
20	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
21	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
22	mTORC1-to-AMPK switching underlies Î² cell metabolic plasticity during maturation and diabetes. Journal of Clinical Investigation, 2019, 129, 4124-4137.	3.9	80
23	Sleeve Gastrectomy Improves Glycemia Independent of Weight Loss by Restoring Hepatic Insulin Sensitivity. Diabetes, 2018, 67, 1079-1085.	0.3	42
24	Non-invasive detection of human cardiomyocyte death using methylation patterns of circulating DNA. Nature Communications, 2018, 9, 1443.	5.8	147
25	Beta Cell Death by Cell-free DNA and Outcome After Clinical Islet Transplantation. Transplantation, 2018, 102, 978-985.	0.5	40
26	Monitoring liver damage using hepatocyte-specific methylation markers in cell-free circulating DNA. JCI Insight, 2018, 3, .	2.3	94
27	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
28	Î²-Cell DNA Damage Response Promotes Islet Inflammation in Type 1 Diabetes. Diabetes, 2018, 67, 2305-2318.	0.3	35
29	Principles of DNA methylation and their implications for biology and medicine. Lancet, The, 2018, 392, 777-786.	6.3	436
30	Postnatal Exocrine Pancreas Growth by Cellular Hypertrophy Correlates with a Shorter Lifespan in Mammals. Developmental Cell, 2018, 45, 726-737.e3.	3.1	32
31	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
32	Beta cell heterogeneity: an evolving concept. Diabetologia, 2017, 60, 1363-1369.	2.9	40
33	Conditional islet hypovascularisation does not preclude beta cell expansion during pregnancy in mice. Diabetologia, 2017, 60, 1051-1056.	2.9	9
34	Transcriptional Noise and Somatic Mutations in the Aging Pancreas. Cell Metabolism, 2017, 26, 809-811.	7.2	11
35	Genome-wide genetic and epigenetic analyses of pancreatic acinar cell carcinomas reveal aberrations in genome stability. Nature Communications, 2017, 8, 1323.	5.8	53
36	Pancreatic Î²-Cells Express the Fetal Islet Hormone Gastrin in Rodent and Human Diabetes. Diabetes, 2017, 66, 426-436.	0.3	47

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37	Metabolic Stress and Compromised Identity of Pancreatic Beta Cells. Frontiers in Genetics, 2017, 08, 21.	1.1	120
38	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
39	PAX6 maintains Î² cell identity by repressing genes of alternative islet cell types. Journal of Clinical Investigation, 2016, 127, 230-243.	3.9	126
40	Dynamical compensation in physiological circuits. Molecular Systems Biology, 2016, 12, 886.	3.2	67
41	VEGF regulates relative allocation of Isl1 + cardiac progenitors to myocardial and endocardial lineages. Mechanisms of Development, 2016, 142, 40-49.	1.7	7
42	Vascular development in the vertebrate pancreas. Developmental Biology, 2016, 420, 67-78.	0.9	21
43	The Genetic Program of Pancreatic Î²-Cell Replication In Vivo. Diabetes, 2016, 65, 2081-2093.	0.3	66
44	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
45	p16Ink4a-induced senescence of pancreatic beta cells enhances insulin secretion. Nature Medicine, 2016, 22, 412-420.	15.2	252
46	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
47	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
48	Weaning Triggers a Maturation Step of Pancreatic Î² Cells. Developmental Cell, 2015, 32, 535-545.	3.1	120
49	G0-G1 Transition and the Restriction Point in Pancreatic Î²-Cells In Vivo. Diabetes, 2014, 63, 578-584.	0.3	27
50	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
51	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
52	LKB1 and AMPK differentially regulate pancreatic Î²â€•cell identity. FASEB Journal, 2014, 28, 4972-4985.	0.2	71
53	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
54	Systemic Regulation of the Age-Related Decline of Pancreatic Î²-Cell Replication. Diabetes, 2013, 62, 2843-2848.	0.3	112

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55	The Plastic Pancreas. Developmental Cell, 2013, 26, 3-7.	3.1	82
56	AMPK Regulates ER Morphology and Function in Stressed Pancreatic Î²-Cells via Phosphorylation of DRP1. Molecular Endocrinology, 2013, 27, 1706-1723.	3.7	98
57	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
58	Beta-Cell Dedifferentiation and Type 2 Diabetes. New England Journal of Medicine, 2013, 368, 572-573.	13.9	77
59	Conditional Hypovascularization and Hypoxia in Islets Do Not Overtly Influence Adult Î²-Cell Mass or Function. Diabetes, 2013, 62, 4165-4173.	0.3	23
60	Gastrin: A Distinct Fate of Neurogenin3 Positive Progenitor Cells in the Embryonic Pancreas. PLoS ONE, 2013, 8, e70397.	1.1	43
61	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
62	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
63	Pancreatic Beta Cells in Very Old Mice Retain Capacity for Compensatory Proliferation. Journal of Biological Chemistry, 2012, 287, 27407-27414.	1.6	59
64	A Transgenic Mouse Marking Live Replicating Cells Reveals InÂVivo Transcriptional Program of Proliferation. Developmental Cell, 2012, 23, 681-690.	3.1	54
65	Role of the ductal transcription factors HNF6 and Sox9 in pancreatic acinar-to-ductal metaplasia. Gut, 2012, 61, 1723-1732.	6.1	109
66	Engineered Vascular Beds Provide Key Signals to Pancreatic Hormone-Producing Cells. PLoS ONE, 2012, 7, e40741.	1.1	57
67	Control of Pancreatic Î² Cell Regeneration by Glucose Metabolism. Cell Metabolism, 2011, 13, 440-449.	7.2	266
68	Growth-limiting role of endothelial cells in endoderm development. Developmental Biology, 2011, 352, 267-277.	0.9	38
69	miRNAs control insulin content in pancreatic Î²-cells via downregulation of transcriptional repressors. EMBO Journal, 2011, 30, 835-845.	3.5	260
70	Ngn3+ endocrine progenitor cells control the fate and morphogenesis of pancreatic ductal epithelium. Developmental Biology, 2011, 359, 26-36.	0.9	68
71	A mouse model for sleeve gastrectomy: Applications for diabetes research. Microsurgery, 2011, 31, 66-71.	0.6	15
72	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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73	The activating receptor NKp46 is essential for the development of type 1 diabetes. Nature Immunology, 2010, 11, 121-128.	7.0	157
74	The Histone Deacetylase Sirt6 Regulates Glucose Homeostasis via Hif1Î±. Cell, 2010, 140, 280-293.	13.5	880
75	Sustained <i>Neurog3</i> 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
76	LKB1 Regulates Pancreatic Î² Cell Size, Polarity, and Function. Cell Metabolism, 2009, 10, 296-308.	7.2	143
77	Myt1 and Ngn3 form a feed-forward expression loop to promote endocrine islet cell differentiation. Developmental Biology, 2008, 317, 531-540.	0.9	90
78	Facultative Endocrine Progenitor Cells in the Adult Pancreas. Cell, 2008, 132, 183-184.	13.5	57
79	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
80	Pancreatic Lkb1 Deletion Leads to Acinar Polarity Defects and Cystic Neoplasms. Molecular and Cellular Biology, 2008, 28, 2414-2425.	1.1	137
81	Estimating Cell Depth from Somatic Mutations. PLoS Computational Biology, 2008, 4, e1000058.	1.5	35
82	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
83	Lineage Tracing Evidence for In Vitro Dedifferentiation but Rare Proliferation of Mouse Pancreatic Â-Cells. Diabetes, 2007, 56, 1299-1304.	0.3	129
84	Regeneration in Liver and Pancreas: Time to Cut the Umbilical Cord?. Science's STKE: Signal Transduction Knowledge Environment, 2007, 2007, pe66.	4.1	12
85	New sources of pancreatic beta cells. Current Diabetes Reports, 2007, 7, 304-308.	1.7	21
86	Recovery from diabetes in mice by Î² cell regeneration. Journal of Clinical Investigation, 2007, 117, 2553-2561.	3.9	525
87	Pancreatic Cells and Their Progenitors. Methods in Enzymology, 2006, 419, 322-337.	0.4	6
88	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
89	VEGF-Induced Adult Neovascularization: Recruitment, Retention, and Role of Accessory Cells. Cell, 2006, 124, 175-189.	13.5	1,092
90	Dissecting the Cellular Origins of Pancreatic Cancer. Cell Cycle, 2006, 5, 43-46.	1.3	32

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91	Pten constrains centroacinar cell expansion and malignant transformation in the pancreas. Cancer Cell, 2005, 8, 185-195.	7.7	263
92	How to make pancreatic Î² cells â€” prospects for cell therapy in diabetes. Current Opinion in Biotechnology, 2005, 16, 524-529.	3.3	38
93	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
94	Ribosomal protein S6 phosphorylation is a determinant of cell size and glucose homeostasis. Genes and Development, 2005, 19, 2199-2211.	2.7	531
95	How Important are Adult Stem Cells for Tissue Maintenance?. Cell Cycle, 2004, 3, 1102-1104.	1.3	41
96	Adult pancreatic Î²-cells are formed by self-duplication rather than stem-cell differentiation. Nature, 2004, 429, 41-46.	13.7	2,079
97	Making vascular networks in the adult: branching morphogenesis without a roadmap. Trends in Cell Biology, 2003, 13, 131-136.	3.6	67
98	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
99	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
100	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
101	Conditional switching of VEGF provides new insights into adult neovascularization and pro-angiogenic therapy. EMBO Journal, 2002, 21, 1939-1947.	3.5	355
102	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
103	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
104	Role of HIF-1Î± in hypoxia-mediated apoptosis, cell proliferation and tumour angiogenesis. Nature, 1998, 394, 485-490.	13.7	2,565
105	Ischemia-Driven Angiogenesis. Trends in Cardiovascular Medicine, 1997, 7, 289-294.	2.3	71
106	Role of the conserved carboxy-terminal alpha-helix of Rad6p in ubiquitination and DNA repair. Molecular Microbiology, 1996, 21, 1197-1206.	1.2	17
107	Elevated brain-derived cell-free DNA among patients with first psychotic episode â€“ a proof-of-concept study. ELife, 0, 11, .	2.8	9