Andrew F Stewart

List of Publications by Year
in descending order

46 papers	3,195 citations	186265 28 h-index	223800 46 g-index
49 all docs	49 docs citations	49 times ranked	3711 citing authors

#	Article	IF	Citations
1	A high-throughput chemical screen reveals that harmine-mediated inhibition of DYRK1A increases human pancreatic beta cell replication. Nature Medicine, 2015, 21, 383-388.	30.7	313
2	Human Î²-Cell Proliferation and Intracellular Signaling. Diabetes, 2012, 61, 2205-2213.	0.6	208
3	Human Pancreatic Î² Cell lncRNAs Control Cell-Specific Regulatory Networks. Cell Metabolism, 2017, 25, 400-411.	16.2	195
4	Targeted Expression of Placental Lactogen in the Beta Cells of Transgenic Mice Results in Beta Cell Proliferation, Islet Mass Augmentation, and Hypoglycemia. Journal of Biological Chemistry, 2000, 275, 15399-15406.	3.4	180
5	Diabetes mellitusâ€"advances and challenges in human Î²-cell proliferation. Nature Reviews Endocrinology, 2015, 11, 201-212.	9.6	169
6	Human Î²-Cell Proliferation and Intracellular Signaling Part 2: Still Driving in the Dark Without a Road Map. Diabetes, 2014, 63, 819-831.	0.6	155
7	Dopaminylation of histone H3 in ventral tegmental area regulates cocaine seeking. Science, 2020, 368, 197-201.	12.6	152
8	Induction of Î²-Cell Proliferation and Retinoblastoma Protein Phosphorylation in Rat and Human Islets Using Adenovirus-Mediated Transfer of Cyclin-Dependent Kinase-4 and Cyclin D1. Diabetes, 2004, 53, 149-159.	0.6	127
9	Replication confers Î² cell immaturity. Nature Communications, 2018, 9, 485.	12.8	123
10	Induction of Human Î²-Cell Proliferation and Engraftment Using a Single G1/S Regulatory Molecule, cdk6. Diabetes, 2010, 59, 1926-1936.	0.6	120
11	Human Î²-Cell Proliferation and Intracellular Signaling: Part 3. Diabetes, 2015, 64, 1872-1885.	0.6	120
12	Combined Inhibition of DYRK1A, SMAD, and Trithorax Pathways Synergizes to Induce Robust Replication in Adult Human Beta Cells. Cell Metabolism, 2019, 29, 638-652.e5.	16.2	113
13	Survey of the Human Pancreatic Î²-Cell G1/S Proteome Reveals a Potential Therapeutic Role for Cdk-6 and Cyclin D1 in Enhancing Human Î²-Cell Replication and Function In Vivo. Diabetes, 2009, 58, 882-893.	0.6	106
14	GLP-1 receptor agonists synergize with DYRK1A inhibitors to potentiate functional human Î² cell regeneration. Science Translational Medicine, 2020, 12, .	12.4	81
15	Insights into beta cell regeneration for diabetes via integration of molecular landscapes in human insulinomas. Nature Communications, 2017, 8, 767.	12.8	67
16	Human Pancreatic Î²-Cell G1/S Molecule Cell Cycle Atlas. Diabetes, 2013, 62, 2450-2459.	0.6	62
17	Development of Kinase-Selective, Harmine-Based DYRK1A Inhibitors that Induce Pancreatic Human Î²-Cell Proliferation. Journal of Medicinal Chemistry, 2018, 61, 7687-7699.	6.4	58
18	Parathyroid Hormoneâ€"Related Protein Enhances Human Î²-Cell Proliferation and Function With Associated Induction of Cyclin-Dependent Kinase 2 and Cyclin E Expression. Diabetes, 2010, 59, 3131-3138.	0.6	55

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19	A Human Islet Cell Culture System for High-Throughput Screening. Journal of Biomolecular Screening, 2012, 17, 509-518.	2.6	54
20	Cytoplasmic-Nuclear Trafficking of G1/S Cell Cycle Molecules and Adult Human Î²-Cell Replication. Diabetes, 2013, 62, 2460-2470.	0.6	53
21	Augmented Stat5 Signaling Bypasses Multiple Impediments to Lactogen-Mediated Proliferation in Human Î²-Cells. Diabetes, 2015, 64, 3784-3797.	0.6	52
22	cMyc Is a Principal Upstream Driver of Î²-Cell Proliferation in Rat Insulinoma Cell Lines and Is an Effective Mediator of Human Î²-Cell Replication. Molecular Endocrinology, 2011, 25, 1760-1772.	3.7	46
23	DYRK1A Inhibitors as Potential Therapeutics for Î²-Cell Regeneration for Diabetes. Journal of Medicinal Chemistry, 2021, 64, 2901-2922.	6.4	38
24	Betatrophin Versus Bitter-Trophin and the Elephant in the Room: Time for a New Normal in Î²-Cell Regeneration Research. Diabetes, 2014, 63, 1198-1199.	0.6	37
25	Novel selective thiadiazine DYRK1A inhibitor lead scaffold with human pancreatic Î²-cell proliferation activity. European Journal of Medicinal Chemistry, 2018, 157, 1005-1016.	5.5	36
26	Synthesis and Biological Validation of a Harmine-Based, Central Nervous System (CNS)-Avoidant, Selective, Human Î²-Cell Regenerative Dual-Specificity Tyrosine Phosphorylation-Regulated Kinase A (DYRK1A) Inhibitor. Journal of Medicinal Chemistry, 2020, 63, 2986-3003.	6.4	36
27	Pharmacologic and genetic approaches define human pancreatic Î² cell mitogenic targets of DYRK1A inhibitors. JCI Insight, 2020, 5, .	5.0	35
28	USP8 and TP53 Drivers are Associated with CNV in a Corticotroph Adenoma Cohort Enriched for Aggressive Tumors. Journal of Clinical Endocrinology and Metabolism, 2021, 106, 826-842.	3.6	34
29	A 3D atlas of the dynamic and regional variation of pancreatic innervation in diabetes. Science Advances, 2020, 6, .	10.3	33
30	Development of a reliable automated screening system to identify small molecules and biologics that promote human Î²-cell regeneration. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E859-E868.	3.5	31
31	Glucose-dependent partitioning of arginine to the urea cycle protects Î²-cells from inflammation. Nature Metabolism, 2020, 2, 432-446.	11.9	27
32	Regulated and Reversible Induction of Adult Human Î²-Cell Replication. Diabetes, 2012, 61, 418-424.	0.6	25
33	Advances in drug discovery for human beta cell regeneration. Diabetologia, 2018, 61, 1693-1699.	6.3	24
34	Human Beta Cell Regenerative Drug Therapy for Diabetes: Past Achievements and Future Challenges. Frontiers in Endocrinology, 2021, 12, 671946.	3.5	24
35	Myc Is Required for Adaptive Î²-Cell Replication in Young Mice but Is Not Sufficient in One-Year-Old Mice Fed With a High-Fat Diet. Diabetes, 2019, 68, 1934-1949.	0.6	23
36	Epigenetics of Drug Addiction. Cold Spring Harbor Perspectives in Medicine, 2021, 11, a040253.	6.2	21

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37	What is a Î² cell? â€“ Chapter I in the Human Islet Research Network (HIRN) review series. Molecular Metabolism, 2021, 53, 101323.	6.5	20
38	Parathyroid Hormone-Related Peptide (1-36) Enhances Beta Cell Regeneration and Increases Beta Cell Mass in a Mouse Model of Partial Pancreatectomy. PLoS ONE, 2016, 11, e0158414.	2.5	19
39	In vivo screen identifies a SIK inhibitor that induces Î² cell proliferation through a transient UPR. Nature Metabolism, 2021, 3, 682-700.	11.9	18
40	Histone H3 dopaminylation in ventral tegmental area underlies heroin-induced transcriptional and behavioral plasticity in male rats. Neuropsychopharmacology, 2022, 47, 1776-1783.	5.4	17
41	CDK4/6 Inhibition on Glucose and Pancreatic Beta Cell Homeostasis in Young and Aged Rats. Molecular Cancer Research, 2017, 15, 1531-1541.	3.4	15
42	Disrupting the DREAM complex enables proliferation of adult human pancreatic Î² cells. Journal of Clinical Investigation, 2022, 132, .	8.2	14
43	Structureâ€“Activity Relationships and Biological Evaluation of 7-Substituted Harmine Analogs for Human Î²-Cell Proliferation. Molecules, 2020, 25, 1983.	3.8	13
44	Aberrant methylation underlies insulin gene expression in human insulinoma. Nature Communications, 2020, 11, 5210.	12.8	9
45	Good news for the ageing beta cell. Diabetologia, 2014, 57, 265-269.	6.3	5
46	SUN-654 Dynamic and Regional Variation of Pancreatic Innervation in Diabetes. Journal of the Endocrine Society, 2020, 4, .	0.2	0