

Marco Bugliani

List of Publications by Year in descending order

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103
papers

8,288
citations

53939

47
h-index

54771

88
g-index

105
all docs

105
docs citations

105
times ranked

14365
citing authors

#	ARTICLE	IF	CITATIONS
1	Pro-Inflammatory Cytokines Induce Insulin and Glucagon Double Positive Human Islet Cells That Are Resistant to Apoptosis. <i>Biomolecules</i> , 2021, 11, 320.	1.8	9
2	Spatiotemporal Correlation Spectroscopy Reveals a Protective Effect of Peptide-Based GLP-1 Receptor Agonism against Lipotoxicity on Insulin Granule Dynamics in Primary Human β^2 -Cells. <i>Pharmaceutics</i> , 2021, 13, 1403.	2.0	2
3	Protective effects of <i>Stevia rebaudiana</i> extracts on beta cells in lipotoxic conditions. <i>Acta Diabetologica</i> , 2021, , 1.	1.2	2
4	Persistent or Transient Human β^2 Cell Dysfunction Induced by Metabolic Stress: Specific Signatures and Shared Gene Expression with Type 2 Diabetes. <i>Cell Reports</i> , 2020, 33, 108466.	2.9	65
5	Circulating unmethylated CHTOP and INS DNA fragments provide evidence of possible islet cell death in youth with obesity and diabetes. <i>Clinical Epigenetics</i> , 2020, 12, 116.	1.8	17
6	Fostering improved human islet research: a European perspective. <i>Diabetologia</i> , 2019, 62, 1514-1516.	2.9	13
7	Insulin secretory granules labelled with phogrin-fluorescent proteins show alterations in size, mobility and responsiveness to glucose stimulation in living β^2 -cells. <i>Scientific Reports</i> , 2019, 9, 2890.	1.6	24
8	The miRNAs miR-211-5p and miR-204-5p modulate ER stress in human beta cells. <i>Journal of Molecular Endocrinology</i> , 2019, 63, 139-149.	1.1	29
9	LRH-1 agonism favours an immune-islet dialogue which protects against diabetes mellitus. <i>Nature Communications</i> , 2018, 9, 1488.	5.8	50
10	The type 2 diabetes-associated HMG20A gene is mandatory for islet beta cell functional maturity. <i>Cell Death and Disease</i> , 2018, 9, 279.	2.7	36
11	DPP-4 is expressed in human pancreatic beta cells and its direct inhibition improves beta cell function and survival in type 2 diabetes. <i>Molecular and Cellular Endocrinology</i> , 2018, 473, 186-193.	1.6	48
12	MondoA Is an Essential Glucose-Responsive Transcription Factor in Human Pancreatic β^2 -Cells. <i>Diabetes</i> , 2018, 67, 461-472.	0.3	36
13	SRp55 Regulates a Splicing Network That Controls Human Pancreatic β^2 -Cell Function and Survival. <i>Diabetes</i> , 2018, 67, 423-436.	0.3	46
14	Systems biology of the IMIDIA biobank from organ donors and pancreatectomised patients defines a novel transcriptomic signature of islets from individuals with type 2 diabetes. <i>Diabetologia</i> , 2018, 61, 641-657.	2.9	131
15	Glucocorticoids Reprogram β^2 -Cell Signaling to Preserve Insulin Secretion. <i>Diabetes</i> , 2018, 67, 278-290.	0.3	52
16	Inflammation-Induced Citrullinated Glucose-Regulated Protein 78 Elicits Immune Responses in Human Type 1 Diabetes. <i>Diabetes</i> , 2018, 67, 2337-2348.	0.3	56
17	Protective role of the ELOVL2/docosahexaenoic acid axis in glucolipotoxicity-induced apoptosis in rodent beta cells and human islets. <i>Diabetologia</i> , 2018, 61, 1780-1793.	2.9	32
18	Conventional and Neo-antigenic Peptides Presented by β^2 Cells Are Targeted by Circulating Na A^{\vee} ve CD8+ T Cells in Type 1 Diabetic and Healthy Donors. <i>Cell Metabolism</i> , 2018, 28, 946-960.e6.	7.2	177

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19	Conformal coating by multilayer nano-encapsulation for the protection of human pancreatic islets: In-vitro and in-vivo studies. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 2191-2203.	1.7	26
20	The effects of kisspeptin on β -cell function, serum metabolites and appetite in humans. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 2800-2810.	2.2	74
21	Probing the light scattering properties of insulin secretory granules in single live cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 2710-2714.	1.0	5
22	Virus-like infection induces human β cell dedifferentiation. <i>JCI Insight</i> , 2018, 3, .	2.3	53
23	The immunoproteasome is induced by cytokines and regulates apoptosis in human islets. <i>Journal of Endocrinology</i> , 2017, 233, 369-379.	1.2	26
24	Ultrastructural alterations of pancreatic beta cells in human diabetes mellitus. <i>Diabetes/Metabolism Research and Reviews</i> , 2017, 33, e2894.	1.7	46
25	Palmitate-induced lipotoxicity alters acetylation of multiple proteins in clonal β cells and human pancreatic islets. <i>Scientific Reports</i> , 2017, 7, 13445.	1.6	44
26	Atorvastatin but Not Pravastatin Impairs Mitochondrial Function in Human Pancreatic Islets and Rat β -Cells. Direct Effect of Oxidative Stress. <i>Scientific Reports</i> , 2017, 7, 11863.	1.6	59
27	The Myokine Irisin Is Released in Response to Saturated Fatty Acids and Promotes Pancreatic β -Cell Survival and Insulin Secretion. <i>Diabetes</i> , 2017, 66, 2849-2856.	0.3	96
28	Pancreatic β -cell protection from inflammatory stress by the endoplasmic reticulum proteins thrombospondin 1 and mesencephalic astrocyte-derived neurotrophic factor (MANF). <i>Journal of Biological Chemistry</i> , 2017, 292, 14977-14988.	1.6	41
29	MicroRNAs miR-23a-3p, miR-23b-3p, and miR-149-5p Regulate the Expression of Proapoptotic BH3-Only Proteins DP5 and PUMA in Human Pancreatic β -Cells. <i>Diabetes</i> , 2017, 66, 100-112.	0.3	87
30	FGF-2b and h-PL Transform Duct and Non-Endocrine Human Pancreatic Cells into Endocrine Insulin Secreting Cells by Modulating Differentiating Genes. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2234.	1.8	13
31	Pancreatic Beta Cell Identity in Humans and the Role of Type 2 Diabetes. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 55.	1.8	67
32	Co-localization of acinar markers and insulin in pancreatic cells of subjects with type 2 diabetes. <i>PLoS ONE</i> , 2017, 12, e0179398.	1.1	17
33	Phenylpropanoic Acid Glucoside from Rooibos Protects Pancreatic Beta Cells against Cell Death Induced by Acute Injury. <i>PLoS ONE</i> , 2016, 11, e0157604.	1.1	28
34	Ubiquitin D Regulates IRE1 α /c-Jun N-terminal Kinase (JNK) Protein-dependent Apoptosis in Pancreatic Beta Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 12040-12056.	1.6	44
35	Beta Cell Hubs Dictate Pancreatic Islet Responses to β -Glucose. <i>Cell Metabolism</i> , 2016, 24, 389-401.	7.2	370
36	Glucolipotoxicity initiates pancreatic β -cell death through TNFR5/CD40-mediated STAT1 and NF- κ B activation. <i>Cell Death and Disease</i> , 2016, 7, e2329-e2329.	2.7	34

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37	Thrombospondin 1 protects pancreatic β -cells from lipotoxicity via the PERK \rightarrow NRF2 pathway. <i>Cell Death and Differentiation</i> , 2016, 23, 1995-2006.	5.0	56
38	In vitro use of free fatty acids bound to albumin: A comparison of protocols. <i>BioTechniques</i> , 2015, 58, 228-33.	0.8	63
39	Glucagon-like peptide 1 protects INS-1E mitochondria against palmitate-mediated beta-cell dysfunction: a proteomic study. <i>Molecular BioSystems</i> , 2015, 11, 1696-1707.	2.9	19
40	Labeling and Tracking of Human Pancreatic Islets Using Carbon Nanotubes. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 730-738.	0.5	6
41	Cytokines induce endoplasmic reticulum stress in human, rat and mouse beta cells via different mechanisms. <i>Diabetologia</i> , 2015, 58, 2307-2316.	2.9	181
42	A red-shifted photochromic sulfonylurea for the remote control of pancreatic beta cell function. <i>Chemical Communications</i> , 2015, 51, 6018-6021.	2.2	49
43	The p66Shc redox adaptor protein is induced by saturated fatty acids and mediates lipotoxicity-induced apoptosis in pancreatic beta cells. <i>Diabetologia</i> , 2015, 58, 1260-1271.	2.9	40
44	Mast cells infiltrate pancreatic islets in human type 1 diabetes. <i>Diabetologia</i> , 2015, 58, 2554-2562.	2.9	46
45	MicroRNA-124a is hyperexpressed in type 2 diabetic human pancreatic islets and negatively regulates insulin secretion. <i>Acta Diabetologica</i> , 2015, 52, 523-530.	1.2	127
46	The β -Cell in Human Type 2 Diabetes. , 2015, , 801-815.		0
47	Incretin-Modulated Beta Cell Energetics in Intact Islets of Langerhans. <i>Molecular Endocrinology</i> , 2014, 28, 860-871.	3.7	66
48	Administering 25-hydroxyvitamin D3 in vitamin D-deficient young type 1A diabetic patients reduces reactivity against islet autoantigens. <i>Clinical Nutrition</i> , 2014, 33, 1153-1156.	2.3	18
49	Are we overestimating the loss of beta cells in type 2 diabetes?. <i>Diabetologia</i> , 2014, 57, 362-365.	2.9	115
50	RNA Sequencing Identifies Dysregulation of the Human Pancreatic Islet Transcriptome by the Saturated Fatty Acid Palmitate. <i>Diabetes</i> , 2014, 63, 1978-1993.	0.3	226
51	Optical control of insulin release using a photoswitchable sulfonylurea. <i>Nature Communications</i> , 2014, 5, 5116.	5.8	106
52	ADCY5 Couples Glucose to Insulin Secretion in Human Islets. <i>Diabetes</i> , 2014, 63, 3009-3021.	0.3	124
53	Mitochondrial and ER-Targeted eCALWY Probes Reveal High Levels of Free Zn ²⁺ . <i>ACS Chemical Biology</i> , 2014, 9, 2111-2120.	1.6	102
54	Discovery of Molecular Pathways Mediating 1,25-Dihydroxyvitamin D3 Protection Against Cytokine-Induced Inflammation and Damage of Human and Male Mouse Islets of Langerhans. <i>Endocrinology</i> , 2014, 155, 736-747.	1.4	45

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55	JunB protects β -cells from lipotoxicity via the XBP1 \rightarrow AKT pathway. <i>Cell Death and Differentiation</i> , 2014, 21, 1313-1324.	5.0	37
56	Prevention by metformin of alterations induced by chronic exposure to high glucose in human islet beta cells is associated with preserved ATP/ADP ratio. <i>Diabetes Research and Clinical Practice</i> , 2014, 104, 163-170.	1.1	45
57	The β -Cell in Human Type 2 Diabetes. , 2014, , 1-13.		0
58	Sirtuin 3 regulates mouse pancreatic beta cell function and is suppressed in pancreatic islets isolated from human type 2 diabetic patients. <i>Diabetologia</i> , 2013, 56, 1068-1077.	2.9	101
59	Direct effects of rosuvastatin on pancreatic human beta cells. <i>Acta Diabetologica</i> , 2013, 50, 983-985.	1.2	9
60	The Pancreatic β Cells in Human Type 2 Diabetes. <i>Advances in Experimental Medicine and Biology</i> , 2013, 771, 288-309.	0.8	49
61	Microarray analysis of isolated human islet transcriptome in type 2 diabetes and the role of the ubiquitin \rightarrow proteasome system in pancreatic beta cell dysfunction. <i>Molecular and Cellular Endocrinology</i> , 2013, 367, 1-10.	1.6	76
62	Glucagon-Like Peptide-1 Protects Human Islets against Cytokine-Mediated β -Cell Dysfunction and Death: A Proteomic Study of the Pathways Involved. <i>Journal of Proteome Research</i> , 2013, 12, 4193-4206.	1.8	27
63	β -Cell inflammation in human type 2 diabetes and the role of autophagy. <i>Diabetes, Obesity and Metabolism</i> , 2013, 15, 130-136.	2.2	52
64	Lipotoxicity disrupts incretin-regulated human β cell connectivity. <i>Journal of Clinical Investigation</i> , 2013, 123, 4182-4194.	3.9	203
65	From genotype to human β cell phenotype and beyond. <i>Islets</i> , 2012, 4, 323-332.	0.9	11
66	Age- and diet-dependent requirement of DJ-1 for glucose homeostasis in mice with implications for human type 2 diabetes. <i>Journal of Molecular Cell Biology</i> , 2012, 4, 221-230.	1.5	96
67	A local glucagon-like peptide 1 (GLP-1) system in human pancreatic islets. <i>Diabetologia</i> , 2012, 55, 3262-3272.	2.9	208
68	Ultrastructural morphometric analysis of insulin secretory granules in human type 2 diabetes. <i>Acta Diabetologica</i> , 2012, 49, 247-252.	1.2	39
69	DNA methylation profiling identifies epigenetic dysregulation in pancreatic islets from type 2 diabetic patients. <i>EMBO Journal</i> , 2012, 31, 1405-1426.	3.5	355
70	Palmitate Activates Autophagy in INS-1E β -Cells and in Isolated Rat and Human Pancreatic Islets. <i>PLoS ONE</i> , 2012, 7, e36188.	1.1	116
71	Per-arnt-sim (PAS) domain-containing protein kinase is downregulated in human islets in type 2 diabetes and regulates glucagon secretion. <i>Diabetologia</i> , 2011, 54, 819-827.	2.9	46
72	Class II Phosphoinositide 3-Kinase Regulates Exocytosis of Insulin Granules in Pancreatic β Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 4216-4225.	1.6	130

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73	Pleiotropic Effects of GIP on Islet Function Involve Osteopontin. <i>Diabetes</i> , 2011, 60, 2424-2433.	0.3	83
74	Histopathology and ex vivo insulin secretion of pancreatic islets in gestational diabetes: A case report. <i>Islets</i> , 2011, 3, 231-233.	0.9	8
75	The β -Cell in Human Type 2 Diabetes. <i>Advances in Experimental Medicine and Biology</i> , 2010, 654, 501-514.	0.8	54
76	Enhanced Signaling Downstream of Ribonucleic Acid-Dependent Protein Kinase-Like Kinase Potentiates Lipotoxic Endoplasmic Reticulum Stress in Human Islets. <i>Molecular Endocrinology</i> , 2010, 24, 470-470.	3.7	0
77	EuroDia: a beta-cell gene expression resource. <i>Database: the Journal of Biological Databases and Curation</i> , 2010, 2010, baq024-baq024.	1.4	9
78	Enhanced Signaling Downstream of Ribonucleic Acid-Activated Protein Kinase-Like Endoplasmic Reticulum Kinase Potentiates Lipotoxic Endoplasmic Reticulum Stress in Human Islets. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 1442-1449.	1.8	52
79	Genetic and Functional Assessment of the Role of the rs13431652-A and rs573225-A Alleles in the <i>G6PC2</i> Promoter That Are Strongly Associated With Elevated Fasting Glucose Levels. <i>Diabetes</i> , 2010, 59, 2662-2671.	0.3	31
80	G-protein-coupled receptor 40 (GPR40) expression and its regulation in human pancreatic islets: The role of type 2 diabetes and fatty acids. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2010, 20, 22-25.	1.1	56
81	Type 2 Diabetes Susceptibility Gene Expression in Normal or Diabetic Sorted Human Alpha and Beta Cells: Correlations with Age or BMI of Islet Donors. <i>PLoS ONE</i> , 2010, 5, e11053.	1.1	47
82	The direct effects of tacrolimus and cyclosporin A on isolated human islets: A functional, survival and gene expression study. <i>Islets</i> , 2009, 1, 106-110.	0.9	33
83	A role for autophagy in β -cell life and death. <i>Islets</i> , 2009, 1, 157-159.	0.9	15
84	PTPN2, a Candidate Gene for Type 1 Diabetes, Modulates Interferon- γ -Induced Pancreatic β -Cell Apoptosis. <i>Diabetes</i> , 2009, 58, 1283-1291.	0.3	152
85	Goals of Treatment for Type 2 Diabetes: β -Cell preservation for glycemic control. <i>Diabetes Care</i> , 2009, 32, S178-S183.	4.3	53
86	Common variant in MTNR1B associated with increased risk of type 2 diabetes and impaired early insulin secretion. <i>Nature Genetics</i> , 2009, 41, 82-88.	9.4	642
87	Apoptotic, Regenerative, And Immune-Related Signaling in Human Islets from Type 2 Diabetes Individuals. <i>Journal of Proteome Research</i> , 2009, 8, 5650-5656.	1.8	32
88	Effects of exposure of human islet beta-cells to normal and high glucose levels with or without gliclazide or glibenclamide. <i>Diabetes and Metabolism</i> , 2009, 35, 293-298.	1.4	18
89	Autophagy in human type 2 diabetes pancreatic beta cells. <i>Diabetologia</i> , 2009, 52, 1083-1086.	2.9	311
90	Effects of exendin-4 on islets from type 2 diabetes patients. <i>Diabetes, Obesity and Metabolism</i> , 2008, 10, 515-519.	2.2	44

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91	Beneficial Effect of the Nonpeptidyl Low Molecular Weight Radical Scavenger IAC on Cultured Human Islet Function. <i>Cell Transplantation</i> , 2008, 17, 1271-1276.	1.2	13
92	Effects of C-peptide on isolated human pancreatic islet cells. <i>Diabetes/Metabolism Research and Reviews</i> , 2007, 23, 215-219.	1.7	19
93	Gliclazide protects human islet beta-cells from apoptosis induced by intermittent high glucose. <i>Diabetes/Metabolism Research and Reviews</i> , 2007, 23, 234-238.	1.7	103
94	The endoplasmic reticulum in pancreatic beta cells of type 2 diabetes patients. <i>Diabetologia</i> , 2007, 50, 2486-2494.	2.9	361
95	Transcription factors of beta-cell differentiation and maturation in isolated human islets: Effects of high glucose, high free fatty acids and type 2 diabetes. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2006, 16, e7-e8.	1.1	9
96	The direct effects of the angiotensin-converting enzyme inhibitors, zofenoprilat and enalaprilat, on isolated human pancreatic islets. <i>European Journal of Endocrinology</i> , 2006, 154, 355-361.	1.9	80
97	Is There a Role for Locally Produced Interleukin-1 in the Deleterious Effects of High Glucose or the Type 2 Diabetes Milieu to Human Pancreatic Islets?. <i>Diabetes</i> , 2005, 54, 3238-3244.	0.3	118
98	Hepatitis C Virus Infection and Human Pancreatic β -Cell Dysfunction. <i>Diabetes Care</i> , 2005, 28, 940-941.	4.3	113
99	Functional and Molecular Defects of Pancreatic Islets in Human Type 2 Diabetes. <i>Diabetes</i> , 2005, 54, 727-735.	0.3	421
100	Pancreatic Islets from Type 2 Diabetic Patients Have Functional Defects and Increased Apoptosis That Are Ameliorated by Metformin. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 5535-5541.	1.8	304
101	Improved insulin secretory function and reduced chemotactic properties after tissue culture of islets from type 1 diabetic patients. <i>Diabetes/Metabolism Research and Reviews</i> , 2004, 20, 246-251.	1.7	21
102	An alternative and simple method to consistently prepare viable isolated human islets for clinical transplantation. <i>Transplantation Proceedings</i> , 2004, 36, 605-606.	0.3	5
103	Rosiglitazone prevents the impairment of human islet function induced by fatty acids: evidence for a role of PPAR γ 3 in the modulation of insulin secretion. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004, 286, E560-E567.	1.8	134