

Barak Blum

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

3,416
citations

623574

14
h-index

713332

21
g-index

27
all docs

27
docs citations

27
times ranked

5620
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of human embryonic stem cell lines by the International Stem Cell Initiative. <i>Nature Biotechnology</i> , 2007, 25, 803-816.	9.4	983
2	The Tumorigenicity of Human Embryonic Stem Cells. <i>Advances in Cancer Research</i> , 2008, 100, 133-158.	1.9	390
3	Glyceroneogenesis and the Triglyceride/Fatty Acid Cycle. <i>Journal of Biological Chemistry</i> , 2003, 278, 30413-30416.	1.6	371
4	Developmental programming of CpG island methylation profiles in the human genome. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 564-571.	3.6	345
5	Functional beta-cell maturation is marked by an increased glucose threshold and by expression of urocortin 3. <i>Nature Biotechnology</i> , 2012, 30, 261-264.	9.4	322
6	An intrinsic circadian clock of the pancreas is required for normal insulin release and glucose homeostasis in mice. <i>Diabetologia</i> , 2011, 54, 120-124.	2.9	276
7	The anti-apoptotic gene survivin contributes to teratoma formation by human embryonic stem cells. <i>Nature Biotechnology</i> , 2009, 27, 281-287.	9.4	164
8	The tumorigenicity of diploid and aneuploid human pluripotent stem cells. <i>Cell Cycle</i> , 2009, 8, 3822-3830.	1.3	130
9	Reversal of \hat{I}^2 cell de-differentiation by a small molecule inhibitor of the TGF \hat{I}^2 pathway. <i>ELife</i> , 2014, 3, e02809.	2.8	116
10	Glucocorticoids Regulate Transcription of the Gene for Phosphoenolpyruvate Carboxykinase in the Liver via an Extended Glucocorticoid Regulatory Unit. <i>Journal of Biological Chemistry</i> , 2005, 280, 33873-33884.	1.6	84
11	Clonal Analysis of Human Embryonic Stem Cell Differentiation into Teratomas. <i>Stem Cells</i> , 2007, 25, 1924-1930.	1.4	55
12	Endocrine cell type sorting and mature architecture in the islets of Langerhans require expression of Roundabout receptors in I^2 cells. <i>Scientific Reports</i> , 2018, 8, 10876.	1.6	37
13	Glucocorticoids Repress Transcription of Phosphoenolpyruvate Carboxykinase (GTP) Gene in Adipocytes by Inhibiting Its C/EBP-mediated Activation. <i>Journal of Biological Chemistry</i> , 2003, 278, 12929-12936.	1.6	36
14	Angptl4 links \hat{I}^2 -cell proliferation following glucagon receptor inhibition with adipose tissue triglyceride metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 15498-15503.	3.3	28
15	Reduced synchronicity of intra-islet Ca^{2+} oscillations in vivo in Robo-deficient \hat{I}^2 cells. <i>ELife</i> , 2021, 10, .	2.8	18
16	Determinants and dynamics of pancreatic islet architecture. <i>Islets</i> , 2022, 14, 82-100.	0.9	17
17	Morphogenesis of the Islets of Langerhans Is Guided by Extraendocrine Slit2 and Slit3 Signals. <i>Molecular and Cellular Biology</i> , 2021, 41, .	1.1	10
18	The Anna Karenina Model of \hat{I}^2 -Cell Maturation in Development and Their Dedifferentiation in Type 1 and Type 2 Diabetes. <i>Diabetes</i> , 2021, 70, 2058-2066.	0.3	10

#	ARTICLE	IF	CITATIONS
19	CDK2 limits the highly energetic secretory program of mature β^2 cells by restricting PEP cycle-dependent KATP channel closure. <i>Cell Reports</i> , 2021, 34, 108690.	2.9	8
20	Axon Guidance Molecules in the Islets of Langerhans. <i>Frontiers in Endocrinology</i> , 2022, 13, 869780.	1.5	6
21	Differentiation <i>In Vivo</i> and <i>In Vitro</i> of Human Embryonic Stem Cells. , 2005, , 123-143.		4
22	Synaptotagmins Tweak Functional β^2 Cell Maturation. <i>Developmental Cell</i> , 2018, 45, 284-286.	3.1	2