

The Mitochondrial Ca²⁺ Uniporter MCU Is Essential for Pancreatic \hat{I}^2 -Cells

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Mitochondrial Ca ²⁺ Uptake 1 (MICU1) and Mitochondrial Ca ²⁺ Uniporter (MCU) Contribute to Metabolism-Secretion Coupling in Clonal Pancreatic \hat{I}^2 -Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 34445-34454.	1.6	120
2	The Mitochondrial Na ⁺ /Ca ²⁺ Exchanger Upregulates Glucose Dependent Ca ²⁺ Signalling Linked to Insulin Secretion. <i>PLoS ONE</i> , 2012, 7, e46649.	1.1	64
3	Oscillations of sub-membrane ATP in glucose-stimulated beta cells depend on negative feedback from Ca ²⁺ . <i>Diabetologia</i> , 2013, 56, 1577-1586.	2.9	80
4	Mitochondrial function and insulin secretion. <i>Molecular and Cellular Endocrinology</i> , 2013, 379, 12-18.	1.6	98
5	KATP channels and islet hormone secretion: new insights and controversies. <i>Nature Reviews Endocrinology</i> , 2013, 9, 660-669.	4.3	221
6	Role of KATP Channels in Glucose-Regulated Glucagon Secretion and Impaired Counterregulation in Type 2 Diabetes. <i>Cell Metabolism</i> , 2013, 18, 871-882.	7.2	179
7	Frequency-dependent mitochondrial Ca ²⁺ accumulation regulates ATP synthesis in pancreatic \hat{I}^2 cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2013, 465, 543-554.	1.3	73
8	Minireview: Intra-islet Regulation of Insulin Secretion in Humans. <i>Molecular Endocrinology</i> , 2013, 27, 1984-1995.	3.7	66
9	Mitochondrial Calcium Uniporter MCU Supports Cytoplasmic Ca ²⁺ Oscillations, Store-Operated Ca ²⁺ Entry and Ca ²⁺ -Dependent Gene Expression in Response to Receptor Stimulation. <i>PLoS ONE</i> , 2014, 9, e101188.	1.1	85
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14	Incretin-Modulated Beta Cell Energetics in Intact Islets of Langerhans. <i>Molecular Endocrinology</i> , 2014, 28, 860-871.	3.7	66
15	Metabolism and Secretion Coupling and Mitochondrial Calcium Activities in Clonal Pancreatic \hat{I}^2 -Cells. <i>Vitamins and Hormones</i> , 2014, 95, 63-86.	0.7	4
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