

Sudarsan Rajan

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,503
citations

686830

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940134

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16
docs citations

16
times ranked

2850
citing authors

#	ARTICLE	IF	CITATIONS
1	Circular RNA CircFndc3b modulates cardiac repair after myocardial infarction via FUS/VEGF-A axis. <i>Nature Communications</i> , 2019, 10, 4317.	5.8	280
2	Mitochondrial Ca ²⁺ Uniporter Is a Mitochondrial Luminal Redox Sensor that Augments MCU Channel Activity. <i>Molecular Cell</i> , 2017, 65, 1014-1028.e7.	4.5	179
3	MCUR1 Is a Scaffold Factor for the MCU Complex Function and Promotes Mitochondrial Bioenergetics. <i>Cell Reports</i> , 2016, 15, 1673-1685.	2.9	170
4	SPG7 Is an Essential and Conserved Component of the Mitochondrial Permeability Transition Pore. <i>Molecular Cell</i> , 2015, 60, 47-62.	4.5	165
5	SLC25A23 augments mitochondrial Ca ²⁺ uptake, interacts with MCU, and induces oxidative stress-mediated cell death. <i>Molecular Biology of the Cell</i> , 2014, 25, 936-947.	0.9	118
6	MICU1 Motifs Define Mitochondrial Calcium Uniporter Binding and Activity. <i>Cell Reports</i> , 2013, 5, 1576-1588.	2.9	112
7	Ca ²⁺ signals regulate mitochondrial metabolism by stimulating CREB-mediated expression of the mitochondrial Ca ²⁺ uniporter gene <i>MCU</i> . <i>Science Signaling</i> , 2015, 8, ra23.	1.6	102
8	LETM1-dependent mitochondrial Ca ²⁺ flux modulates cellular bioenergetics and proliferation. <i>FASEB Journal</i> , 2014, 28, 4936-4949.	0.2	99
9	Loss of Adult Cardiac Myocyte GSK-3 Leads to Mitotic Catastrophe Resulting in Fatal Dilated Cardiomyopathy. <i>Circulation Research</i> , 2016, 118, 1208-1222.	2.0	92
10	Structural Insights into Mitochondrial Calcium Uniporter Regulation by Divalent Cations. <i>Cell Chemical Biology</i> , 2016, 23, 1157-1169.	2.5	65
11	A cellular mechanism of muscle memory facilitates mitochondrial remodelling following resistance training. <i>Journal of Physiology</i> , 2018, 596, 4413-4426.	1.3	47
12	FOXO1-dependent MICU1 expression regulates mitochondrial activity and cell differentiation. <i>Nature Communications</i> , 2018, 9, 3449.	5.8	31
13	Cardiomyocyte KrÄppel-Like Factor 5 Promotes De Novo Ceramide Biosynthesis and Contributes to Eccentric Remodeling in Ischemic Cardiomyopathy. <i>Circulation</i> , 2021, 143, 1139-1156.	1.6	26
14	Epidermal growth factor receptor-dependent maintenance of cardiac contractility. <i>Cardiovascular Research</i> , 2022, 118, 1276-1288.	1.8	8
15	Constructing and evaluating caspase-activatable adeno-associated virus vector for gene delivery to the injured heart. <i>Journal of Controlled Release</i> , 2020, 328, 834-845.	4.8	2