Richard N Kitsis

List of Publications by Year
in descending order

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68 papers	10,441 citations	136950 32 h-index	114465 63 g-index
70 all docs	70 docs citations	70 times ranked	15683 citing authors

#	Article	IF	Citations
1	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	11.2	4,036
2	Akt Promotes Survival of Cardiomyocytes In Vitro and Protects Against Ischemia-Reperfusion Injury in Mouse Heart. Circulation, 2000, 101, 660-667.	1.6	783
3	A mechanistic role for cardiac myocyte apoptosis in heart failure. Journal of Clinical Investigation, 2003, 111, 1497-1504.	8.2	639
4	Cell Death in the Pathogenesis of Heart Disease: Mechanisms and Significance. Annual Review of Physiology, 2010, 72, 19-44.	13.1	638
5	Fundamental Mechanisms of Regulated Cell Death and Implications for Heart Disease. Physiological Reviews, 2019, 99, 1765-1817.	28.8	550
6	Osteocalcin Signaling in Myofibers Is Necessary and Sufficient for Optimum Adaptation to Exercise. Cell Metabolism, 2016, 23, 1078-1092.	16.2	302
7	Bax regulates primary necrosis through mitochondrial dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6566-6571.	7.1	250
8	Programmed Necrosis, Not Apoptosis, in the Heart. Circulation Research, 2011, 108, 1017-1036.	4.5	237
9	Calcineurin-Mediated Hypertrophy Protects Cardiomyocytes From Apoptosis In Vitro and In Vivo. Circulation Research, 2000, 86, 255-263.	4.5	203
10	Correcting mitochondrial fusion by manipulating mitofusin conformations. Nature, 2016, 540, 74-79.	27.8	190
11	Fas pathway is a critical mediator of cardiac myocyte death and MI during ischemia-reperfusion in vivo. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H456-H463.	3.2	187
12	MFN2 agonists reverse mitochondrial defects in preclinical models of Charcot-Marie-Tooth disease type 2A. Science, 2018, 360, 336-341.	12.6	187
13	Interdependence of Parkin-Mediated Mitophagy and Mitochondrial Fission in Adult Mouse Hearts. Circulation Research, 2015, 117, 346-351.	4.5	172
14	MacroH2A1 and ATM Play Opposing Roles in Paracrine Senescence and the Senescence-Associated Secretory Phenotype. Molecular Cell, 2015, 59, 719-731.	9.7	170
15	Inhibition of Both the Extrinsic and Intrinsic Death Pathways through Nonhomotypic Death-Fold Interactions. Molecular Cell, 2004, 15, 901-912.	9.7	166
16	The Mitochondrial Dynamism-Mitophagy-Cell Death Interactome. Circulation Research, 2015, 116, 167-182.	4.5	156
17	A Rab5 endosomal pathway mediates Parkin-dependent mitochondrial clearance. Nature Communications, 2017, 8, 14050.	12.8	154
18	Caveolin-1 expression sensitizes fibroblastic and epithelial cells to apoptotic stimulation. American Journal of Physiology - Cell Physiology, 2001, 280, C823-C835.	4.6	111

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19	Î²-Adrenergic stimulation causes cardiocyte apoptosis: influence of tachycardia and hypertrophy. American Journal of Physiology - Heart and Circulatory Physiology, 1998, 275, H961-H968.	3.2	93
20	Common mechanistic pathways in cancer and heart failure. A scientific roadmap on behalf of the <scp>Translational Research Committee</scp> of the <scp>Heart Failure Association</scp> (<scp>HFA</scp>) of the <scp>European Society of Cardiology</scp> (<scp>ESC</scp>). European Journal of Heart Failure, 2020, 22, 2272-2289.	7.1	92
21	Unlocking the Secrets of Mitochondria in the Cardiovascular System. Circulation, 2019, 140, 1205-1216.	1.6	91
22	Immune checkpoint inhibitorâ€“associated myocarditis: manifestations and mechanisms. Journal of Clinical Investigation, 2021, 131, .	8.2	84
23	A small-molecule allosteric inhibitor of BAX protects against doxorubicin-induced cardiomyopathy. Nature Cancer, 2020, 1, 315-328.	13.2	78
24	Small-molecule allosteric inhibitors of BAX. Nature Chemical Biology, 2019, 15, 322-330.	8.0	65
25	Apoptosis Inhibitor ARC Promotes Breast Tumorigenesis, Metastasis, and Chemoresistance. Cancer Research, 2011, 71, 7705-7715.	0.9	53
26	Apoptotic cell death "Nixed" by an ER-mitochondrial necrotic pathway. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9031-9032.	7.1	46
27	Exercise triggers CAPN1-mediated AIF truncation, inducing myocyte cell death in arrhythmogenic cardiomyopathy. Science Translational Medicine, 2021, 13, .	12.4	46
28	Apoptosis and the heart: a decade of progress. Journal of Molecular and Cellular Cardiology, 2005, 38, 1-2.	1.9	40
29	Fas-FasL interaction modulates nitric oxide production in Trypanosoma cruzi-infected mice. Immunology, 2001, 103, 122-129.	4.4	38
30	Heart Disease and Cancer. Circulation, 2018, 138, 692-695.	1.6	37
31	Ryanodine Receptor Calcium Leak in Circulating B-Lymphocytes as a Biomarker in Heart Failure. Circulation, 2018, 138, 1144-1154.	1.6	36
32	A Critical Role for the Protein Apoptosis Repressor With Caspase Recruitment Domain in Hypoxia-Induced Pulmonary Hypertension. Circulation, 2011, 124, 2533-2542.	1.6	34
33	Does Autophagy Mediate Cardiac Myocyte Death During Stress?. Circulation Research, 2016, 119, 893-895.	4.5	33
34	Evaluating mitochondrial autophagy in the mouse heart. Journal of Molecular and Cellular Cardiology, 2016, 92, 134-139.	1.9	32
35	Uncontrolled angiogenic precursor expansion causes coronary artery anomalies in mice lacking Pofut1. Nature Communications, 2017, 8, 578.	12.8	32
36	Grounding Cardio-Oncology in Basic and Clinical Science. Circulation, 2017, 136, 3-5.	1.6	32

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37	Modulating mitofusins to control mitochondrial function and signaling. Nature Communications, 2022, 13, .	12.8	31
38	Recent progress in research on molecular mechanisms of autophagy in the heart. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H259-H268.	3.2	30
39	The Apoptosis Inhibitor ARC Alleviates the ER Stress Response to Promote Î²-Cell Survival. Diabetes, 2013, 62, 183-193.	0.6	27
40	Seeing death in the living. Nature Medicine, 2001, 7, 1277-1278.	30.7	24
41	RCAN1â€“Calcineurin Axis and the Set-Point for Myocardial Damage During Ischemia-Reperfusion. Circulation Research, 2018, 122, 796-798.	4.5	18
42	Beyond Mitophagy. Circulation Research, 2017, 120, 1234-1236.	4.5	17
43	Apoptosis Repressor With Caspase Recruitment Domain Ameliorates Amyloid-Induced Î²-Cell Apoptosis and JNK Pathway Activation. Diabetes, 2017, 66, 2636-2645.	0.6	17
44	Troponin Release Following Brief Myocardial Ischemia. JACC Basic To Translational Science, 2017, 2, 118-121.	4.1	16
45	Introductionâ€”cell death in heart failure. Heart Failure Reviews, 2008, 13, 107-109.	3.9	15
46	Death Receptor Signaling in the Heart. Circulation, 2017, 136, 743-746.	1.6	15
47	An Akt3 Splice Variant Lacking the Serine 472 Phosphorylation Site Promotes Apoptosis and Suppresses Mammary Tumorigenesis. Cancer Research, 2018, 78, 103-114.	0.9	13
48	Upâ€•regulation of cofilinâ€•1 in cell senescence associates with morphological change and p27‹sup›kip1‹/sup›â€•mediated growth delay. Aging Cell, 2021, 20, e13288.	6.7	13
49	Functional significance of alterations in cardiac contractile protein isoforms. Clinical Cardiology, 1996, 19, 9-18.	1.8	12
50	OncomiR miR-182-5p Enhances Radiosensitivity by Inhibiting the Radiation-Induced Antioxidant Effect through SESN2 in Head and Neck Cancer. Antioxidants, 2021, 10, 1808.	5.1	12
51	Txnip C247S mutation protects the heart against acute myocardial infarction. Journal of Molecular and Cellular Cardiology, 2021, 155, 36-49.	1.9	11
52	A New Role for the ER Unfolded Protein Response Mediator ATF6. Circulation Research, 2017, 120, 759-761.	4.5	10
53	IDH2-mediated regulation of the biogenesis of the oxidative phosphorylation system. Science Advances, 2022, 8, eabl8716.	10.3	10
54	Multiple Cell Death Programs Contribute to Myocardial Infarction. Circulation Research, 2021, 129, 397-399.	4.5	9

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55	A myeloid tumor suppressor role for NOL3. Journal of Experimental Medicine, 2017, 214, 753-771.	8.5	8
56	Conversion of the death inhibitor ARC to a killer activates pancreatic Î² cell death in diabetes. Developmental Cell, 2021, 56, 747-760.e6.	7.0	8
57	Tbx6 is a determinant of cardiac and neural cell fate decisions in multipotent P19CL6 cells. Differentiation, 2012, 84, 176-184.	1.9	6
58	ATG16L1 autophagy pathway regulates BAX protein levels and programmed cell death. Journal of Biological Chemistry, 2020, 295, 15045-15053.	3.4	6
59	Editorial: Mitochondrial Dysfunction and Cardiovascular Diseases. Frontiers in Cardiovascular Medicine, 2021, 8, 645986.	2.4	6
60	ARC is essential for maintaining pancreatic islet structure and Î²-cell viability during type 2 diabetes. Scientific Reports, 2017, 7, 7019.	3.3	5
61	The Cell Death Inhibitor ARC Is Induced in a Tissue-Specific Manner by Deletion of the Tumor Suppressor Gene Men1, but Not Required for Tumor Development and Growth. PLoS ONE, 2015, 10, e0145792.	2.5	4
62	The Role of Apoptosis in Myocardial Infarction and Heart Failure. , 2005, , 483-519.		1
63	PDCD5 says no to NO. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4535-4537.	7.1	1
64	Abstract 117: Regulation of Cardiac Mitochondrial Function by Chaperone Mediated Autophagy. Circulation Research, 2018, 123, .	4.5	1
65	Cell Death in the Cardiovascular System. , 0, , 295-312.		0
66	Loss of apoptosis repressor with caspase recruitment domain (ARC) worsens high fat diet-induced hyperglycemia in mice. Journal of Endocrinology, 2021, 251, 125-135.	2.6	0
67	Abstract 4378: Apoptosis in Heart Failure Predominantly Involves Non-Myocytes. Circulation, 2008, 118, .	1.6	0
68	Cardiac Myosin Heavy Chain Reporter Mice to Study Heart Development and Disease. Circulation Research, 0, , .	4.5	0