

Åsa B Gustafsson

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

16,407
citations

61945

43
h-index

69214

77
g-index

80
all docs

80
docs citations

80
times ranked

27938
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial Dysfunction and Mitophagy: Physiological Implications in Cardiovascular Health. , 2022, , 197-217.		0
2	Mitochondrial quality surveillance: mitophagy in cardiovascular health and disease. American Journal of Physiology - Cell Physiology, 2022, 322, C218-C230.	2.1	22
3	Mcl-1 Differentially Regulates Autophagy in Response to Changes in Energy Status and Mitochondrial Damage. Cells, 2022, 11, 1469.	1.8	6
4	The role of mitochondrial fission in cardiovascular health and disease. Nature Reviews Cardiology, 2022, 19, 723-736.	6.1	62
5	Cardiolipin Remodeling Defects Impair Mitochondrial Architecture and Function in a Murine Model of Barth Syndrome Cardiomyopathy. Circulation: Heart Failure, 2021, 14, e008289.	1.6	17
6	Isolation of Rab5-positive endosomes reveals a new mitochondrial degradation pathway utilized by BNIP3 and Parkin. Small GTPases, 2020, 11, 69-76.	0.7	28
7	Mitochondria and autophagy in adult stem cells: proliferate or differentiate. Journal of Muscle Research and Cell Motility, 2020, 41, 355-362.	0.9	10
8	Protective Function of MCUb in Postischemic Remodeling Getting at the Heart of the Calcium Control Conundrum. Circulation Research, 2020, 127, 391-393.	2.0	2
9	Mcl-1-mediated mitochondrial fission protects against stress but impairs cardiac adaptation to exercise. Journal of Molecular and Cellular Cardiology, 2020, 146, 109-120.	0.9	17
10	Loss of Parkin Results in Altered Muscle Stem Cell Differentiation during Regeneration. International Journal of Molecular Sciences, 2020, 21, 8007.	1.8	12
11	Autophagy: A savior in cigarette smoke-induced cardiac injury. Journal of Molecular and Cellular Cardiology, 2020, 148, 120-121.	0.9	1
12	Mitochondrial Quality Control and Cellular Proteostasis: Two Sides of the Same Coin. Frontiers in Physiology, 2020, 11, 515.	1.3	45
13	The Aging Heart: Mitophagy at the Center of Rejuvenation. Frontiers in Cardiovascular Medicine, 2020, 7, 18.	1.1	36
14	Aging is associated with a decline in Atg9-mediated autophagosome formation and appearance of enlarged mitochondria in the heart. Aging Cell, 2020, 19, e13187.	3.0	46
15	Nuclear Parkin Activates the ERR α Transcriptional Program and Drives Widespread Changes in Gene Expression Following Hypoxia. Scientific Reports, 2020, 10, 8499.	1.6	14
16	Hypoxia Prevents Mitochondrial Dysfunction and Senescence in Human c-Kit ⁺ Cardiac Progenitor Cells. Stem Cells, 2019, 37, 555-567.	1.4	41
17	BNIP3L/NIX and FUNDC1-mediated mitophagy is required for mitochondrial network remodeling during cardiac progenitor cell differentiation. Autophagy, 2019, 15, 1182-1198.	4.3	197
18	Evolving and Expanding the Roles of Mitophagy as a Homeostatic and Pathogenic Process. Physiological Reviews, 2019, 99, 853-892.	13.1	145

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19	Multiple recycling routes: Canonical vs. non-canonical mitophagy in the heart. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 797-809.	1.8	18
20	Parkin does not prevent accelerated cardiac aging in mitochondrial DNA mutator mice. <i>JCI Insight</i> , 2019, 4, .	2.3	39
21	Regulating Renewable Energy. <i>Circulation Research</i> , 2018, 122, 649-651.	2.0	20
22	Autophagyâ€”A key pathway for cardiac health and longevity. <i>Acta Physiologica</i> , 2018, 223, e13074.	1.8	37
23	Balancing autophagy for a healthy heart. <i>Current Opinion in Physiology</i> , 2018, 1, 21-26.	0.9	14
24	Mesenchymal Stem Cell-Mediated Autophagy Inhibition. <i>Circulation Research</i> , 2018, 123, 518-520.	2.0	5
25	A Rab5 endosomal pathway mediates Parkin-dependent mitochondrial clearance. <i>Nature Communications</i> , 2017, 8, 14050.	5.8	154
26	Beyond Mitophagy. <i>Circulation Research</i> , 2017, 120, 1234-1236.	2.0	17
27	Decline in cellular function of aged mouse cardiac progenitor cells. <i>Journal of Physiology</i> , 2017, 595, 6249-6262.	1.3	25
28	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
29	NF- κ B Restricts Inflammasome Activation via Elimination of Damaged Mitochondria. <i>Cell</i> , 2016, 164, 896-910.	13.5	859
30	Evaluating mitochondrial autophagy in the mouse heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 92, 134-139.	0.9	32
31	Staying young at heart: autophagy and adaptation to cardiac aging. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 95, 78-85.	0.9	42
32	PINK1 Is Dispensable for Mitochondrial Recruitment of Parkin and Activation of Mitophagy in Cardiac Myocytes. <i>PLoS ONE</i> , 2015, 10, e0130707.	1.1	79
33	Physiological activation of Akt by PHLPP1 deletion protects against pathological hypertrophy. <i>Cardiovascular Research</i> , 2015, 105, 160-170.	1.8	53
34	Functional Effect of Pim1 Depends upon Intracellular Localization in Human Cardiac Progenitor Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 13935-13947.	1.6	26
35	Interdependence of Parkin-Mediated Mitophagy and Mitochondrial Fission in Adult Mouse Hearts. <i>Circulation Research</i> , 2015, 117, 346-351.	2.0	172
36	Therapeutic Targeting of Autophagy. <i>Circulation Research</i> , 2015, 116, 489-503.	2.0	113

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37	Mending a broken heart: the role of mitophagy in cardioprotection. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H183-H192.	1.5	97
38	Mitophagy and heart failure. Journal of Molecular Medicine, 2015, 93, 253-262.	1.7	90
39	Accumulation of Mitochondrial DNA Mutations Disrupts Cardiac Progenitor Cell Function and Reduces Survival. Journal of Biological Chemistry, 2015, 290, 22061-22075.	1.6	24
40	Cellular redox status determines sensitivity to BNIP3-mediated cell death in cardiac myocytes. American Journal of Physiology - Cell Physiology, 2015, 308, C983-C992.	2.1	11
41	Unbreak My Heart: Targeting Mitochondrial Autophagy in Diabetic Cardiomyopathy. Antioxidants and Redox Signaling, 2015, 22, 1527-1544.	2.5	55
42	Harnessing the Power of Integrated Mitochondrial Biology and Physiology. Circulation Research, 2015, 117, 234-238.	2.0	9
43	Recent progress in research on molecular mechanisms of autophagy in the heart. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H259-H268.	1.5	30
44	Metabolic Dysfunction Consistent With Premature Aging Results From Deletion of Pim Kinases. Circulation Research, 2014, 115, 376-387.	2.0	49
45	Autophagy and mitophagy in the myocardium: therapeutic potential and concerns. British Journal of Pharmacology, 2014, 171, 1907-1916.	2.7	60
46	Mitochondrial quality control in the myocardium: Cooperation between protein degradation and mitophagy. Journal of Molecular and Cellular Cardiology, 2014, 75, 122-130.	0.9	81
47	Cardiomyocyte health: adapting to metabolic changes through autophagy. Trends in Endocrinology and Metabolism, 2014, 25, 156-164.	3.1	63
48	Cell death in the myocardium: My heart won't go on. IUBMB Life, 2013, 65, 651-656.	1.5	123
49	Parkin Protein Deficiency Exacerbates Cardiac Injury and Reduces Survival following Myocardial Infarction. Journal of Biological Chemistry, 2013, 288, 915-926.	1.6	383
50	Parkin deficiency results in accumulation of abnormal mitochondria in aging myocytes. Communicative and Integrative Biology, 2013, 6, e24511.	0.6	92
51	Loss of MCL-1 leads to impaired autophagy and rapid development of heart failure. Genes and Development, 2013, 27, 1365-1377.	2.7	221
52	MCL1 is critical for mitochondrial function and autophagy in the heart. Autophagy, 2013, 9, 1902-1903.	4.3	26
53	Mitochondrial Autophagy. Circulation Journal, 2013, 77, 2449-2454.	0.7	44
54	Autophagy. , 2013, , 141-157.		2

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55	Overexpression of Bnip3 in the Myocardium Leads to Mitochondrial Dysfunction and Enhanced Mitochondrial Autophagy. <i>FASEB Journal</i> , 2013, 27, 1209.6.	0.2	0
56	Microtubule-associated Protein 1 Light Chain 3 (LC3) Interacts with Bnip3 Protein to Selectively Remove Endoplasmic Reticulum and Mitochondria via Autophagy. <i>Journal of Biological Chemistry</i> , 2012, 287, 19094-19104.	1.6	595
57	Regulation of Autophagy by Metabolic and Stress Signaling Pathways in the Heart. <i>Journal of Cardiovascular Pharmacology</i> , 2012, 60, 118-124.	0.8	32
58	Mitochondria and Mitophagy. <i>Circulation Research</i> , 2012, 111, 1208-1221.	2.0	662
59	New roles for mitochondria in cell death in the reperfused myocardium. <i>Cardiovascular Research</i> , 2012, 94, 190-196.	1.8	121
60	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
61	Bnip3 impairs mitochondrial bioenergetics and stimulates mitochondrial turnover. <i>Cell Death and Differentiation</i> , 2011, 18, 721-731.	5.0	216
62	Bnip3 as a Dual Regulator of Mitochondrial Turnover and Cell Death in the Myocardium. <i>Pediatric Cardiology</i> , 2011, 32, 267-274.	0.6	83
63	Bnip3-mediated defects in oxidative phosphorylation promote mitophagy. <i>Autophagy</i> , 2011, 7, 775-777.	4.3	40
64	Mitochondrial autophagy by Bnip3 involves Drp1-mediated mitochondrial fission and recruitment of Parkin in cardiac myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H1924-H1931.	1.5	323
65	Juvenile Exposure to Anthracyclines Impairs Cardiac Progenitor Cell Function and Vascularization Resulting in Greater Susceptibility to Stress-Induced Myocardial Injury in Adult Mice. <i>Circulation</i> , 2010, 121, 675-683.	1.6	176
66	Bnip3-mediated mitochondrial autophagy is independent of the mitochondrial permeability transition pore. <i>Autophagy</i> , 2010, 6, 855-862.	4.3	194
67	Cyclophilin D is required for mitochondrial removal by autophagy in cardiac cells. <i>Autophagy</i> , 2010, 6, 462-472.	4.3	114
68	Bnip3 mediates permeabilization of mitochondria and release of cytochrome c via a novel mechanism. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 1146-1156.	0.9	86
69	Role of apoptosis in cardiovascular disease. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 536-548.	2.2	290
70	Autophagy is required for preconditioning by the adenosine A1 receptor-selective agonist CCPA. <i>Basic Research in Cardiology</i> , 2009, 104, 157-167.	2.5	84
71	Bnip3 functions as a mitochondrial sensor of oxidative stress during myocardial ischemia and reperfusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H2025-H2031.	1.5	149
72	Bcl-2 family members and apoptosis, taken to heart. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 292, C45-C51.	2.1	245

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73	Bnip3 mediates mitochondrial dysfunction and cell death through Bax and Bak. <i>Biochemical Journal</i> , 2007, 405, 407-415.	1.7	183
74	Response to myocardial ischemia/reperfusion injury involves Bnip3 and autophagy. <i>Cell Death and Differentiation</i> , 2007, 14, 146-157.	5.0	555
75	Autophagy as a Protective Response to Bnip3-Mediated Apoptotic Signaling in the Heart. <i>Autophagy</i> , 2006, 2, 307-309.	4.3	101
76	TAT-mediated protein transduction: delivering biologically active proteins to the heart. <i>Methods in Molecular Medicine</i> , 2005, 112, 81-90.	0.8	10
77	Apoptosis Repressor with Caspase Recruitment Domain Protects against Cell Death by Interfering with Bax Activation. <i>Journal of Biological Chemistry</i> , 2004, 279, 21233-21238.	1.6	156
78	Lysophosphatidic acid induces hypertrophy of neonatal cardiac myocytes via activation of Gi and Rho. <i>Journal of Molecular and Cellular Cardiology</i> , 2004, 36, 481-493.	0.9	60
79	Mechanisms of Apoptosis in the Heart. <i>Journal of Clinical Immunology</i> , 2003, 23, 447-459.	2.0	123
80	TAT Protein Transduction Into Isolated Perfused Hearts. <i>Circulation</i> , 2002, 106, 735-739.	1.6	120