Daniela Strobbe

List of Publications by Year
in descending order

94 papers	17,964 citations	81900 39 h-index	45317 90 g-index
99 all docs	99 docs citations	99 times ranked	32095 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	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
3	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
4	Control of Macroautophagy by Calcium, Calmodulin-Dependent Kinase Kinase-Î², and Bcl-2. Molecular Cell, 2007, 25, 193-205.	9.7	961
5	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. Cell Death and Differentiation, 2015, 22, 58-73.	11.2	811
6	AMBRA1 is able to induce mitophagy via LC3 binding, regardless of PARKIN and p62/SQSTM1. Cell Death and Differentiation, 2015, 22, 419-432.	11.2	294
7	Regulation of Mitochondrial Structure and Function by the F1Fo-ATPase Inhibitor Protein, IF1. Cell Metabolism, 2008, 8, 13-25.	16.2	246
8	The pharmacological regulation of cellular mitophagy. Nature Chemical Biology, 2017, 13, 136-146.	8.0	240
9	The autophagy-associated factors DRAM1 and p62 regulate cell migration and invasion in glioblastoma stem cells. Oncogene, 2013, 32, 699-712.	5.9	224
10	HUWE1 E3 ligase promotes PINK1/PARKIN-independent mitophagy by regulating AMBRA1 activation via IKKÎ±. Nature Communications, 2018, 9, 3755.	12.8	198
11	TSPO interacts with VDAC1 and triggers a ROS-mediated inhibition of mitochondrial quality control. Autophagy, 2014, 10, 2279-2296.	9.1	174
12	Inorganic Polyphosphate and Energy Metabolism in Mammalian Cells. Journal of Biological Chemistry, 2010, 285, 9420-9428.	3.4	161
13	PMI: A Î”Î¨m Independent Pharmacological Regulator of Mitophagy. Chemistry and Biology, 2014, 21, 1585-1596.	6.0	125
14	IF1: setting the pace of the F1Fo-ATP synthase. Trends in Biochemical Sciences, 2009, 34, 343-350.	7.5	120
15	The Coxsackievirus 2B Protein Suppresses Apoptotic Host Cell Responses by Manipulating Intracellular Ca2+ Homeostasis. Journal of Biological Chemistry, 2004, 279, 18440-18450.	3.4	116
16	Transglutaminase Type 2 Regulates ER-Mitochondria Contact Sites by Interacting with GRP75. Cell Reports, 2018, 25, 3573-3581.e4.	6.4	101
17	Bcl-2 and Bax Exert Opposing Effects on Ca2+ Signaling, Which Do Not Depend on Their Putative Pore-forming Region. Journal of Biological Chemistry, 2004, 279, 54581-54589.	3.4	98
18	Endoplasmic reticulum, Bcl-2 and Ca2+ handling in apoptosis. Cell Calcium, 2002, 32, 413-420.	2.4	97

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19	Ca²⁺in quality control. Autophagy, 2013, 9, 1710-1719.	9.1	88
20	IF1 limits the apoptotic-signalling cascade by preventing mitochondrial remodelling. Cell Death and Differentiation, 2013, 20, 686-697.	11.2	83
21	Dysregulated mitophagy and mitochondrial organization in optic atrophy due to OPA1 mutations. Neurology, 2017, 88, 131-142.	1.1	81
22	Mitochondria form contact sites with the nucleus to couple prosurvival retrograde response. Science Advances, 2020, 6, .	10.3	79
23	Mitochondrial Atpif1 regulates haem synthesis in developing erythroblasts. Nature, 2012, 491, 608-612.	27.8	78
24	A role for TSPO in mitochondrial Ca2+ homeostasis and redox stress signaling. Cell Death and Disease, 2017, 8, e2896-e2896.	6.3	75
25	Genome-wide RNAi screen identifies ATPase inhibitory factor 1 (ATPIF1) as essential for PARK2 recruitment and mitophagy. Autophagy, 2013, 9, 1770-1779.	9.1	70
26	TSPO: kaleidoscopic 18-kDa amid biochemical pharmacology, control and targeting of mitochondria. Biochemical Journal, 2016, 473, 107-121.	3.7	67
27	Clonal Characterization of Rat Muscle Satellite Cells: Proliferation, Metabolism and Differentiation Define an Intrinsic Heterogeneity. PLoS ONE, 2010, 5, e8523.	2.5	66
28	Control of Mitochondrial Remodeling by the ATPase Inhibitory Factor 1ÂUnveils a Pro-survival Relay via OPA1. Cell Reports, 2017, 18, 1869-1883.	6.4	66
29	The novel <scp>NOX</scp> inhibitor 2â€acetylphenothiazine impairs collagenâ€dependent thrombus formation in a <scp>GPVI</scp>â€dependent manner. British Journal of Pharmacology, 2013, 168, 212-224.	5.4	64
30	AD-linked, toxic NH2 human tau affects the quality control of mitochondria in neurons. Neurobiology of Disease, 2014, 62, 489-507.	4.4	62
31	Mitochondrial ND5 Gene Variation Associated with Encephalomyopathy and Mitochondrial ATP Consumption. Journal of Biological Chemistry, 2007, 282, 36845-36852.	3.4	59
32	IF1, the endogenous regulator of the F1Fo-ATPsynthase, defines mitochondrial volume fraction in HeLa cells by regulating autophagy. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 393-401.	1.0	58
33	Pharmacological advances in mitochondrial therapy. EBioMedicine, 2021, 65, 103244.	6.1	54
34	TSPO is a REDOX regulator of cell mitophagy. Biochemical Society Transactions, 2015, 43, 543-552.	3.4	53
35	Regulation of Mitochondrial Morphogenesis by Annexin A6. PLoS ONE, 2013, 8, e53774.	2.5	53
36	Molecular Regulation of the Mitochondrial F₁F_o-ATPsynthase: Physiological and Pathological Significance of the Inhibitory Factor 1 (IF₁). International Journal of Cell Biology, 2012, 2012, 1-12.	2.5	52

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37	Role of the Intravitreal Growth Factors in the Pathogenesis of Idiopathic Epiretinal Membrane. , 2011, 52, 5786.		50
38	Clinical Features and Complications of the HLA-B27-associated Acute Anterior Uveitis: A Metanalysis. Seminars in Ophthalmology, 2017, 32, 689-701.	1.6	49
39	Transglutaminase 2 ablation leads to mitophagy impairment associated with a metabolic shift towards aerobic glycolysis. Cell Death and Differentiation, 2015, 22, 408-418.	11.2	48
40	Mitochondrial Ca2+ homeostasis in health and disease. Biological Research, 2004, 37, 653-60.	3.4	46
41	Reversible Keap1 inhibitors are preferential pharmacological tools to modulate cellular mitophagy. Scientific Reports, 2017, 7, 10303.	3.3	42
42	Mitophagy and the therapeutic clearance of damaged mitochondria for neuroprotection. International Journal of Biochemistry and Cell Biology, 2016, 79, 382-387.	2.8	36
43	Targeting Drp1 and mitochondrial fission for therapeutic immune modulation. Pharmacological Research, 2019, 146, 104317.	7.1	35
44	HtrA2 deficiency causes mitochondrial uncoupling through the F1F0-ATP synthase and consequent ATP depletion. Cell Death and Disease, 2012, 3, e335-e335.	6.3	32
45	New Zebrafish Models of Neurodegeneration. Current Neurology and Neuroscience Reports, 2015, 15, 33.	4.2	32
46	Circulating Cell-Free DNA in Dogs with Mammary Tumors: Short and Long Fragments and Integrity Index. PLoS ONE, 2017, 12, e0169454.	2.5	32
47	The compound <scp>BTB</scp>06584 is an <scp>IF</scp>₁â€dependent selective inhibitor of the mitochondrial <scp>F</scp>₁<scp>F</scp>oâ€<scp>ATP</scp>ase. British Journal of Pharmacology, 2014, 171, 4193-4206.	5.4	30
48	Ca²⁺-dependent autophagy is enhanced by the pharmacological agent PK11195. Autophagy, 2010, 6, 607-613.	9.1	25
49	Distinct Mechanisms of Pathogenic DJ-1 Mutations in Mitochondrial Quality Control. Frontiers in Molecular Neuroscience, 2018, 11, 68.	2.9	25
50	Expression of polycystin-1 C-terminal fragment enhances the ATP-induced Ca2+ release in human kidney cells. Biochemical and Biophysical Research Communications, 2003, 301, 657-664.	2.1	24
51	Modulation of intracellular Ca2+ signalling in HeLa cells by the apoptotic cell death enhancer PK11195. Biochemical Pharmacology, 2008, 76, 1628-1636.	4.4	24
52	The transglutaminase type 2 and pyruvate kinase isoenzyme M2 interplay in autophagy regulation. Oncotarget, 2015, 6, 44941-44954.	1.8	24
53	Neuroprotective coordination of cell mitophagy by the ATPase Inhibitory Factor 1. Pharmacological Research, 2016, 103, 56-68.	7.1	23
54	Haplogroup J mitogenomes are the most sensitive to the pesticide rotenone: Relevance for human diseases. Neurobiology of Disease, 2018, 114, 129-139.	4.4	22

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55	Controlled and Impaired Mitochondrial Quality in Neurons: Molecular Physiology and Prospective Pharmacology. Pharmacological Research, 2015, 99, 410-424.	7.1	20
56	PK11195 Inhibits Mitophagy Targeting the F1Fo-ATPsynthase in Bcl-2 Knock-Down Cells. Current Molecular Medicine, 2012, 12, 476-482.	1.3	20
57	Type 2 Transglutaminase, mitochondria and Huntington's disease: Menage a trois. Mitochondrion, 2014, 19, 97-104.	3.4	18
58	Functional and structural alterations in the endoplasmic reticulum and mitochondria during apoptosis triggered by C2-ceramide and CD95/APO-1/FAS receptor stimulation. Biochemical and Biophysical Research Communications, 2010, 391, 575-581.	2.1	17
59	Paracrine Stimulation of Endothelial Cell Motility and Angiogenesis by Platelet-Derived Deoxyribose-1-Phosphate. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 2631-2638.	2.4	16
60	Mitochondrial IF₁preserves cristae structure to limit apoptotic cell death signaling. Cell Cycle, 2013, 12, 2530-2532.	2.6	15
61	Reduction of the ATPase inhibitory factor 1 (IF1) leads to visual impairment in vertebrates. Cell Death and Disease, 2018, 9, 669.	6.3	15
62	Tumor suppressive Ca2+ signaling is driven by IP3 receptor fitness. Cell Stress, 2017, 1, 73-78.	3.2	14
63	Common Traits Spark the Mitophagy/Xenophagy Interplay. Frontiers in Physiology, 2018, 9, 1172.	2.8	13
64	Effects of Intravitreal Bevacizumab on Inflammatory Choroidal Neovascular Membrane. European Journal of Ophthalmology, 2013, 23, 114-118.	1.3	12
65	Anxiolytic Therapy: A Paradigm of Successful Mitochondrial Pharmacology. Trends in Pharmacological Sciences, 2018, 39, 437-439.	8.7	12
66	Molecular Biology Digest of Cell Mitophagy. International Review of Cell and Molecular Biology, 2017, 332, 233-258.	3.2	10
67	Human Amniocytes Are Receptive to Chemically Induced Reprogramming to Pluripotency. Molecular Therapy, 2017, 25, 427-442.	8.2	10
68	The translocator protein (TSPO) is prodromal to mitophagy loss in neurotoxicity. Molecular Psychiatry, 2021, 26, 2721-2739.	7.9	10
69	Autocrine amplification of integrin Î±IIbÎ²3 activation and platelet adhesive responses by deoxyribose-1-phosphate. Thrombosis and Haemostasis, 2013, 109, 1108-1119.	3.4	9
70	The ATPase Inhibitory Factor 1 (IF1) regulates the expression of the mitochondrial Ca2+ uniporter (MCU) via the AMPK/CREB pathway. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 118860.	4.1	9
71	Keeping the engine clean. Autophagy, 2013, 9, 1647-1647.	9.1	8
72	Reconsidering the Lecture in Modern Veterinary Education. Journal of Veterinary Medical Education, 2014, 41, 138-145.	0.6	8

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73	Culturing muscle fibres in hanging drop: A novel approach to solve an old problem. Biology of the Cell, 2014, 106, 72-82.	2.0	8
74	MitoCPR: Meticulous Monitoring of Mitochondrial Proteostasis. Molecular Cell, 2018, 71, 8-9.	9.7	8
75	Links between mitochondrial retrograde response and mitophagy in pathogenic cell signalling. Cellular and Molecular Life Sciences, 2021, 78, 3767-3775.	5.4	8
76	TSPO: functions and applications of a mitochondrial stress response pathway. Biochemical Society Transactions, 2015, 43, 593-594.	3.4	7
77	Exploring mitochondrial cholesterol signalling for therapeutic intervention in neurological conditions. British Journal of Pharmacology, 2019, 176, 4284-4292.	5.4	7
78	Cell metabolism sets the differences between subpopulations of satellite cells (SCs). BMC Cell Biology, 2013, 14, 24.	3.0	6
79	NHâ€sulfoximine: A novel pharmacological inhibitor of the mitochondrial F₁F_oâ€ATPase, which suppresses viability of cancerous cells. British Journal of Pharmacology, 2021, 178, 298-311.	5.4	6
80	Breast cancer cells exploit mitophagy to exert therapy resistance. Oncotarget, 2018, 9, 14040-14041.	1.8	6
81	Albumin Uptake in OK Cells Exposed to Rotenone: A Model for Studying the Effects of Mitochondrial Dysfunction on Endocytosis in the Proximal Tubule?. Nephron Physiology, 2010, 115, p9-p19.	1.2	5
82	The shrimp mitochondrial FoF1-ATPase inhibitory factor 1 (IF1). Journal of Bioenergetics and Biomembranes, 2015, 47, 383-393.	2.3	5
83	Speciesâ€specific consequences of an E40K missense mutation in superoxide dismutase 1 (SOD1). FASEB Journal, 2020, 34, 458-473.	0.5	5
84	Peptide Targeting of Mitochondria Elicits Testosterone Formation. Molecular Therapy, 2014, 22, 1727-1729.	8.2	4
85	TSPO the unrested: challenged opinions of a resourceful mitochondrial protein. Trends in Endocrinology and Metabolism, 2015, 26, 333-334.	7.1	4
86	Treatment of corneal neovascularization in ocular chemical injury with an off-label use of subconjunctival bevacizumab: a case report. Journal of Medical Case Reports, 2013, 7, 199.	0.8	3
87	Pyroptosis targeting via mitochondria: An educated guess to innovate COVIDâ€19 therapies. British Journal of Pharmacology, 2022, 179, 2081-2085.	5.4	3
88	The role of mtDNA haplogroups on metabolic features in narcolepsy type 1. Mitochondrion, 2022, 63, 37-42.	3.4	3
89	The 18 kDa Translocator Protein (TSPO): Cholesterol Trafficking and the Biology of a Prognostic and Therapeutic Mitochondrial Target. Biological and Medical Physics Series, 2017, , 285-315.	0.4	2
90	Mitochondrial pharmacology: featured mechanisms and approaches for therapy translation. British Journal of Pharmacology, 2019, 176, 4245-4246.	5.4	2

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91	Mitochondria Regulate Inflammatory Paracrine Signalling in Neurodegeneration. Journal of NeuroImmune Pharmacology, 2020, 15, 565-566.	4.1	1
92	Editorial [Hot Topic: The Physiology and Pharmacology of the Mitochondrial 18 kDa Translocator Protein (TSPO): An Emerging Molecular Target for Diagnosis and Therapy (Guest Editor: Michelangelo) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.8	0
93	TSPO drives post-translational modifications of the VDAC regulating mitochondrial signaling and quality control mechanisms. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, e65.	1.0	0
94	Mitochondrial pharmacology: A need in modern biomedicine. Pharmacological Research, 2016, 103, 204-205.	7.1	0