

Claus Desler

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

869
citations

623574

14
h-index

501076

28
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33
all docs

33
docs citations

33
times ranked

1768
citing authors

#	ARTICLE	IF	CITATIONS
1	Is There a Link between Mitochondrial Reserve Respiratory Capacity and Aging?. Journal of Aging Research, 2012, 2012, 1-9.	0.4	190
2	Mitochondria as determinant of nucleotide pools and chromosomal stability. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2007, 625, 112-124.	0.4	75
3	Spatial Transcriptomics Reveals Genes Associated with Dysregulated Mitochondrial Functions and Stress Signaling in Alzheimer Disease. iScience, 2020, 23, 101556.	1.9	61
4	The Effect of Mitochondrial Dysfunction on Cytosolic Nucleotide Metabolism. Journal of Nucleic Acids, 2010, 2010, 1-9.	0.8	54
5	Increased <i>Rrm2</i> gene dosage reduces fragile site breakage and prolongs survival of ATR mutant mice. Genes and Development, 2015, 29, 690-695.	2.7	51
6	The Role of Mitochondrial Dysfunction in the Progression of Alzheimer's Disease. Current Medicinal Chemistry, 2019, 25, 5578-5587.	1.2	48
7	MERTK Acts as a Costimulatory Receptor on Human CD8+ T Cells. Cancer Immunology Research, 2019, 7, 1472-1484.	1.6	39
8	The Importance of Mitochondrial DNA in Aging and Cancer. Journal of Aging Research, 2011, 2011, 1-9.	0.4	38
9	Defective mitochondrial respiration, altered dNTP pools and reduced AP endonuclease 1 activity in peripheral blood mononuclear cells of Alzheimer's disease patients. Aging, 2015, 7, 793-810.	1.4	38
10	Oxidative Stress-Induced Dysfunction of Müller Cells During Starvation. , 2016, 57, 2721.		34
11	Bioenergetic Changes during Differentiation of Human Embryonic Stem Cells along the Hepatic Lineage. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-11.	1.9	18
12	Rev1 contributes to proper mitochondrial function via the PARP-NAD ⁺ -SIRT1-PGC1 β axis. Scientific Reports, 2017, 7, 12480.	1.6	17
13	Initial brain aging: heterogeneity of mitochondrial size is associated with decline in complex I-linked respiration in cortex and hippocampus. Neurobiology of Aging, 2018, 61, 215-224.	1.5	17
14	The inhibitors of soluble adenylylase 2-OHE, KH7, and bithionol compromise mitochondrial ATP production by distinct mechanisms. Biochemical Pharmacology, 2018, 155, 92-101.	2.0	17
15	A Novel Rrm3 Function in Restricting DNA Replication via an Orc5-Binding Domain Is Genetically Separable from Rrm3 Function as an ATPase/Helicase in Facilitating Fork Progression. PLoS Genetics, 2016, 12, e1006451.	1.5	17
16	Simvastatin improves mitochondrial respiration in peripheral blood cells. Scientific Reports, 2020, 10, 17012.	1.6	14
17	Bloom syndrome DNA helicase deficiency is associated with oxidative stress and mitochondrial network changes. Scientific Reports, 2021, 11, 2157.	1.6	14
18	Bacterial infection increases risk of carcinogenesis by targeting mitochondria. Seminars in Cancer Biology, 2017, 47, 95-100.	4.3	14

#	ARTICLE	IF	CITATIONS
19	From Powerhouse to Perpetrator – Mitochondria in Health and Disease. <i>Biology</i> , 2019, 8, 35.	1.3	12
20	Impact of bacterial infections on aging and cancer: Impairment of DNA repair and mitochondrial function of host cells. <i>Experimental Gerontology</i> , 2014, 56, 164-174.	1.2	11
21	Cytoplasmic Citrate Flux Modulates the Immune Stimulatory NKG2D Ligand MICA in Cancer Cells. <i>Frontiers in Immunology</i> , 2020, 11, 1968.	2.2	11
22	Mitochondrial Function in Gilles de la Tourette Syndrome Patients With and Without Intragenic IMMP2L Deletions. <i>Frontiers in Neurology</i> , 2020, 11, 163.	1.1	9
23	Increased deoxythymidine triphosphate levels is a feature of relative cognitive decline. <i>Mitochondrion</i> , 2015, 25, 34-37.	1.6	8
24	Mitochondrial-Linked De Novo Pyrimidine Biosynthesis Dictates Human T-Cell Proliferation but Not Expression of Effector Molecules. <i>Frontiers in Immunology</i> , 2021, 12, 718863.	2.2	7
25	Mitochondrial oxidative phosphorylation capacity of cryopreserved cells. <i>Mitochondrion</i> , 2019, 47, 47-53.	1.6	6
26	Atorvastatin impairs liver mitochondrial function in obese Göttingen Minipigs but heart and skeletal muscle are not affected. <i>Scientific Reports</i> , 2021, 11, 2167.	1.6	5
27	Partial inhibition of mitochondrial-linked pyrimidine synthesis increases tumorigenic potential and lysosome accumulation. <i>Mitochondrion</i> , 2022, 64, 73-81.	1.6	4
28	Introducing the hypothome: a way to integrate predicted proteins in interactomes. <i>International Journal of Bioinformatics Research and Applications</i> , 2014, 10, 647.	0.1	3
29	Real-time Monitoring of Mitochondrial Respiration in Cytokine-differentiated Human Primary T Cells. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	1