

Hani Atamna

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

4,668
citations

117625

34
h-index

223800

46
g-index

51
all docs

51
docs citations

51
times ranked

5793
citing authors

#	ARTICLE	IF	CITATIONS
1	Acarbose, 17 β -Estradiol, and nordihydroguaiaretic acid extend mouse lifespan preferentially in males. <i>Aging Cell</i> , 2014, 13, 273-282.	6.7	331
2	Amyloid- β peptide binds with heme to form a peroxidase: Relationship to the cytopathologies of Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3381-3386.	7.1	265
3	Methylene blue delays cellular senescence and enhances key mitochondrial biochemical pathways. <i>FASEB Journal</i> , 2008, 22, 703-712.	0.5	242
4	Mechanisms of mitochondrial dysfunction and energy deficiency in Alzheimer's disease. <i>Mitochondrion</i> , 2007, 7, 297-310.	3.4	239
5	A role for heme in Alzheimer's disease: Heme binds amyloid β and has altered metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 11153-11158.	7.1	228
6	Heme deficiency may be a factor in the mitochondrial and neuronal decay of aging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 14807-14812.	7.1	210
7	Origin of reactive oxygen species in erythrocytes infected with <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , 1993, 61, 231-241.	1.1	204
8	5 β tRNA halves are present as abundant complexes in serum, concentrated in blood cells, and modulated by aging and calorie restriction. <i>BMC Genomics</i> , 2013, 14, 298.	2.8	204
9	Heme Degradation in the Presence of Glutathione. <i>Journal of Biological Chemistry</i> , 1995, 270, 24876-24883.	3.4	197
10	Delaying Brain Mitochondrial Decay and Aging with Mitochondrial Antioxidants and Metabolites. <i>Annals of the New York Academy of Sciences</i> , 2002, 959, 133-166.	3.8	174
11	Heme Deficiency Selectively Interrupts Assembly of Mitochondrial Complex IV in Human Fibroblasts. <i>Journal of Biological Chemistry</i> , 2001, 276, 48410-48416.	3.4	149
12	Deep Sequencing of Serum Small RNAs Identifies Patterns of 5 β tRNA Half and YRNA Fragment Expression Associated with Breast Cancer. <i>Biomarkers in Cancer</i> , 2014, 6, BIC.S20764.	3.6	144
13	Heme, iron, and the mitochondrial decay of ageing. <i>Ageing Research Reviews</i> , 2004, 3, 303-318.	10.9	140
14	N-t-Butyl Hydroxylamine, a Hydrolysis Product of β -Phenyl-N-t-butyl Nitron, Is More Potent in Delaying Senescence in Human Lung Fibroblasts. <i>Journal of Biological Chemistry</i> , 2000, 275, 6741-6748.	3.4	130
15	The Malaria Parasite Supplies Glutathione to its Host Cell - Investigation of Glutathione Transport and Metabolism in Human Erythrocytes Infected with <i>Plasmodium Falciparum</i> . <i>FEBS Journal</i> , 1997, 250, 670-679.	0.2	129
16	Protective Role of Methylene Blue in Alzheimer's Disease via Mitochondria and Cytochrome c Oxidase. <i>Journal of Alzheimer's Disease</i> , 2010, 20, S439-S452.	2.6	112
17	The Role of Heme and Iron-Sulfur Clusters in Mitochondrial Biogenesis, Maintenance, and Decay with Age. <i>Archives of Biochemistry and Biophysics</i> , 2002, 397, 345-353.	3.0	104
18	Hexose-monophosphate shunt activity in intact <i>Plasmodium falciparum</i> -infected erythrocytes and in free parasites. <i>Molecular and Biochemical Parasitology</i> , 1994, 67, 79-89.	1.1	99

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19	Mode of antimalarial effect of methylene blue and some of its analogues on Plasmodium falciparum in culture and their inhibition of P. vinckei petteri and P. yoelii nigeriensis in vivo. <i>Biochemical Pharmacology</i> , 1996, 51, 693-700.	4.4	99
20	5â€²-YRNA fragments derived by processing of transcripts from specific YRNA genes and pseudogenes are abundant in human serum and plasma. <i>Physiological Genomics</i> , 2013, 45, 990-998.	2.3	98
21	Mineral and vitamin deficiencies can accelerate the mitochondrial decay of aging. <i>Molecular Aspects of Medicine</i> , 2005, 26, 363-378.	6.4	94
22	Circulating small non coding RNA signature in head and neck squamous cell carcinoma. <i>Oncotarget</i> , 2015, 6, 19246-19263.	1.8	89
23	Human and rodent amyloid-Î² peptides differentially bind heme: Relevance to the human susceptibility to Alzheimerâ€™s disease. <i>Archives of Biochemistry and Biophysics</i> , 2009, 487, 59-65.	3.0	82
24	Iron Accumulation during Cellular Senescence. <i>Annals of the New York Academy of Sciences</i> , 2004, 1019, 365-367.	3.8	77
25	Heme binding to Amyloid-Î² peptide: Mechanistic role in Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2006, 10, 255-266.	2.6	74
26	Deep Sequencing Reveals Novel MicroRNAs and Regulation of MicroRNA Expression during Cell Senescence. <i>PLoS ONE</i> , 2011, 6, e20509.	2.5	73
27	Iron Accumulation During Cellular Senescence in Human Fibroblasts In Vitro. <i>Antioxidants and Redox Signaling</i> , 2003, 5, 507-516.	5.4	72
28	Deep sequencing identifies circulating mouse miRNAs that are functionally implicated in manifestations of aging and responsive to calorie restriction. <i>Aging</i> , 2013, 5, 130-141.	3.1	67
29	Gender and age-dependent differences in the mitochondrial apoptogenic pathway in Alzheimer's disease. <i>Free Radical Biology and Medicine</i> , 2008, 44, 2019-2025.	2.9	54
30	Circulating microRNA signature of genotypeâ€œbyâ€œage interactions in the long-lived Ames dwarf mouse. <i>Aging Cell</i> , 2015, 14, 1055-1066.	6.7	54
31	Mitochondrial pharmacology: Electron transport chain bypass as strategies to treat mitochondrial dysfunction. <i>BioFactors</i> , 2012, 38, 158-166.	5.4	50
32	Nâ€¢t â€¢Butyl hydroxylamine is an antioxidant that reverses ageâ€œrelated changes in mitochondria in vivo and in vitro. <i>FASEB Journal</i> , 2001, 15, 2196-2204.	0.5	48
33	Biotin Deficiency Inhibits Heme Synthesis and Impairs Mitochondria in Human Lung Fibroblasts. <i>Journal of Nutrition</i> , 2007, 137, 25-30.	2.9	42
34	ApoHRP-based assay to measure intracellular regulatory heme. <i>Metallomics</i> , 2015, 7, 309-321.	2.4	39
35	Curriculum mapping as a tool to facilitate curriculum development: a new School of Medicine experience. <i>BMC Medical Education</i> , 2018, 18, 185.	2.4	39
36	Organ reserve, excess metabolic capacity, and aging. <i>Biogerontology</i> , 2018, 19, 171-184.	3.9	32

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37	<i>N</i> -tert-butyl hydroxylamine, a mitochondrial antioxidant, protects human retinal pigment epithelial cells from iron overload: relevance to macular degeneration. <i>FASEB Journal</i> , 2007, 21, 4077-4086.	0.5	30
38	Amino acids variations in Amyloid- β^2 peptides, mitochondrial dysfunction, and new therapies for Alzheimer's disease. <i>Journal of Bioenergetics and Biomembranes</i> , 2009, 41, 457-464.	2.3	30
39	Combined activation of the energy and cellular-defense pathways may explain the potent anti-senescence activity of methylene blue. <i>Redox Biology</i> , 2015, 6, 426-435.	9.0	28
40	Caloric restriction impacts plasma microRNAs in rhesus monkeys. <i>Aging Cell</i> , 2017, 16, 1200-1203.	6.7	27
41	Profiling of tRNA Halves and YRNA Fragments in Serum and Tissue From Oral Squamous Cell Carcinoma Patients Identify Key Role of 5' tRNA-Val-CAC-2-1 Half. <i>Frontiers in Oncology</i> , 2019, 9, 959.	2.8	18
42	MicroRNAs Circulate in the Hemolymph of <i>Drosophila</i> and Accumulate Relative to Tissue microRNAs in an Age-Dependent Manner. <i>Genomics Insights</i> , 2016, 9, GEL.S38147.	3.0	17
43	Delaying the mitochondrial decay of aging in the brain. <i>Clinical Neuroscience Research</i> , 2003, 2, 331-338.	0.8	13
44	Data Mining of Small RNA-Seq Suggests an Association Between Prostate Cancer and Altered Abundance of 5' Transfer RNA Halves in Seminal Fluid and Prostatic Tissues. <i>Biomarkers in Cancer</i> , 2018, 10, 1179299X1875954.	3.6	10
45	Therapeutic Approaches to Delay the Onset of Alzheimer's Disease. <i>Journal of Aging Research</i> , 2011, 2011, 1-11.	0.9	8
46	Specific PIWI-Interacting RNAs and Related Small Noncoding RNAs Are Associated With Ovarian Aging in Ames Dwarf (df/df) Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 1561-1570.	3.6	3
47	[P110]: VARIATIONS IN THE AMINO ACIDS SEQUENCE OF AMYLOID- β^2 : AN OPPORTUNITY TO UNDERSTAND ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2017, 13, P283.	0.8	0
48	Caloric restriction impacts plasma microRNAs in rhesus monkeys. <i>FASEB Journal</i> , 2018, 32, 789.3.	0.5	0
49	Organ Reserve, Excess Metabolic Capacity, and Aging. <i>FASEB Journal</i> , 2018, 32, 536.24.	0.5	0
50	Energy and Cellular Defense Systems are Target for Anti-Senescence Activity of Methylene Blue. <i>FASEB Journal</i> , 2019, 33, 794.11.	0.5	0