

Sundararajan Venkatesh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9190044/publications.pdf>

Version: 2024-02-01

44
papers

1,627
citations

394286

19
h-index

330025

37
g-index

45
all docs

45
docs citations

45
times ranked

2380
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibition of mitochondrial LonP1 protease by allosteric blockade of ATP binding and hydrolysis via CDDO and its derivatives. <i>Journal of Biological Chemistry</i> , 2022, 298, 101719.	1.6	6
2	Understanding diabetes-induced cardiomyopathy from the perspective of renin angiotensin aldosterone system. <i>Pflugers Archiv European Journal of Physiology</i> , 2022, 474, 63-81.	1.3	6
3	A commentary on "PI3K/mTOR/BRD4 inhibitor alone or in combination with other anti-virals blocks replication of SARS-CoV-2 and its variants of concern including Delta and Omicron". <i>Clinical and Translational Discovery</i> , 2022, 2, .	0.2	0
4	Proteomic analysis of mitochondrial biogenesis in cardiomyocytes differentiated from human induced pluripotent stem cells. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R547-R562.	0.9	14
5	Nampt Potentiates Antioxidant Defense in Diabetic Cardiomyopathy. <i>Circulation Research</i> , 2021, 129, 114-130.	2.0	28
6	Roles of host mitochondria in the development of COVID-19 pathology: Could mitochondria be a potential therapeutic target?. <i>Molecular Biomedicine</i> , 2021, 2, 38.	1.7	19
7	Cell stress management by the mitochondrial LonP1 protease " Insights into mitigating developmental, oncogenic and cardiac stress. <i>Mitochondrion</i> , 2020, 51, 46-61.	1.6	9
8	In-silico design and synthesis of N9-substituted β -Carbolines as PLK-1 inhibitors and their in-vitro/in-vivo tumor suppressing evaluation. <i>Bioorganic Chemistry</i> , 2019, 88, 102913.	2.0	8
9	Bio-energetics Investigation of <i>Candida albicans</i> Using Real-time Extracellular Flux Analysis. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	1
10	Mitochondrial LonP1 protects cardiomyocytes from ischemia/reperfusion injury in vivo. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 128, 38-50.	0.9	65
11	Bi-allelic mutations of <i>LONP1</i> encoding the mitochondrial LonP1 protease cause pyruvate dehydrogenase deficiency and profound neurodegeneration with progressive cerebellar atrophy. <i>Human Molecular Genetics</i> , 2019, 28, 290-306.	1.4	27
12	Protein quality control at the interface of endoplasmic reticulum and mitochondria by Lon protease. <i>British Journal of Pharmacology</i> , 2018, 176, 505-507.	2.7	3
13	Acetylation and phosphorylation of human TFAM regulate TFAM-DNA interactions via contrasting mechanisms. <i>Nucleic Acids Research</i> , 2018, 46, 3633-3642.	6.5	63
14	HSP60 Takes a Hit: Inhibition of Mitochondrial Protein Folding. <i>Cell Chemical Biology</i> , 2017, 24, 543-545.	2.5	13
15	Effect of densely ionizing radiation on cardiomyocyte differentiation from human-induced pluripotent stem cells. <i>Physiological Reports</i> , 2017, 5, e13308.	0.7	12
16	Profound hypotonia, muscle weakness, global developmental delays with stepwise regression, and cerebellar atrophy: expansion of the LONP1 -related disease phenotype. <i>Neuromuscular Disorders</i> , 2017, 27, S117-S118.	0.3	1
17	CODAS Syndrome Is Associated with Mutations of LONP1, Encoding Mitochondrial AAA+ Lon Protease. <i>American Journal of Human Genetics</i> , 2015, 96, 121-135.	2.6	127
18	Abstract 409: Role of the Mitochondrial AAA+ Lon Protease in Cardioprotection. <i>Circulation Research</i> , 2015, 117, .	2.0	0

#	ARTICLE	IF	CITATIONS
19	Regulating mtDNA dynamics by TFAM phosphorylation and degradation (94.3). <i>FASEB Journal</i> , 2014, 28, 94.3.	0.2	0
20	Analysis of sperm telomere length in men with idiopathic infertility. <i>Archives of Gynecology and Obstetrics</i> , 2013, 287, 803-807.	0.8	85
21	Phosphorylation of Human TFAM in Mitochondria Impairs DNA Binding and Promotes Degradation by the AAA+ Lon Protease. <i>Molecular Cell</i> , 2013, 49, 121-132.	4.5	258
22	Telomere length in reproduction. <i>Andrologia</i> , 2013, 45, 289-304.	1.0	83
23	Mitochondrial ATP-Dependent Lon Protease. , 2013, , 3533-3540.		0
24	Segregation of sperm subpopulations in normozoospermic infertile men. <i>Systems Biology in Reproductive Medicine</i> , 2012, 58, 313-318.	1.0	10
25	The mitochondrial ATP-dependent Lon protease: a novel target in lymphoma death mediated by the synthetic triterpenoid CDDO and its derivatives. <i>Blood</i> , 2012, 119, 3321-3329.	0.6	140
26	Multitasking in the mitochondrion by the ATP-dependent Lon protease. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 56-66.	1.9	139
27	Chromosomal abnormalities & oxidative stress in women with premature ovarian failure (POF). <i>Indian Journal of Medical Research</i> , 2012, 135, 92.	0.4	36
28	Clinical Significance of Sperm DNA Damage Threshold Value in the Assessment of Male Infertility. <i>Reproductive Sciences</i> , 2011, 18, 1005-1013.	1.1	83
29	Analysis of sperm nuclear protein gene polymorphisms and DNA integrity in infertile men. <i>Systems Biology in Reproductive Medicine</i> , 2011, 57, 124-132.	1.0	35
30	A comprehensive work up for an asthenozoospermic man with repeated intracytoplasmic sperm injection (ICSI) failure. <i>Andrologia</i> , 2011, 43, 368-372.	1.0	14
31	Reactive oxygen species measurement in neat and washed semen: comparative analysis and its significance in male infertility assessment. <i>Archives of Gynecology and Obstetrics</i> , 2011, 283, 121-126.	0.8	46
32	An evolutionary insight into mutation of ATPase6 gene in primary ovarian insufficiency. <i>Archives of Gynecology and Obstetrics</i> , 2011, 284, 251-252.	0.8	2
33	Cytogenetic, Y chromosome microdeletion, sperm chromatin and oxidative stress analysis in male partners of couples experiencing recurrent spontaneous abortions. <i>Archives of Gynecology and Obstetrics</i> , 2011, 284, 1577-1584.	0.8	43
34	Herbo-mineral supplementation in men with idiopathic oligoasthenoteratospermia : A double blind randomized placebo-controlled trial. <i>Indian Journal of Urology</i> , 2011, 27, 357.	0.2	19
35	Oxidative stress and ATPase6 mutation is associated with primary ovarian insufficiency. <i>Archives of Gynecology and Obstetrics</i> , 2010, 282, 313-318.	0.8	53
36	Re: Decreased Sperm DNA Fragmentation After Surgical Varicocelectomy is Associated With Increased Pregnancy Rate. <i>Journal of Urology</i> , 2010, 184, 1577-1578.	0.2	6

#	ARTICLE	IF	CITATIONS
37	45 CLINICAL IMPLICATIONS OF DNA DAMAGE ASSESSMENT IN SPERM OF INFERTILE MEN. Reproductive BioMedicine Online, 2010, 20, S19.	1.1	0
38	86 THE CLINICAL IMPORTANCE OF SPERM DNA FRAGMENTATION ASSAY IN THE ASSESSMENT OF MALE INFERTILITY. Reproductive BioMedicine Online, 2010, 20, S34-S35.	1.1	0
39	Acridine orange binding to RNA interferes DNA fragmentation index calculation in sperm chromatin structure assay. Fertility and Sterility, 2010, 94, e37.	0.5	3
40	DNA integrity and semen quality in men with low seminal antioxidant levels. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2009, 665, 29-36.	0.4	76
41	Clinical significance of reactive oxygen species in semen of infertile Indian men. Andrologia, 2009, 41, 251-256.	1.0	50
42	Re: Attenuation of Oxidative Stress After Varicocelectomy in Subfertile Patients With Varicocele. Journal of Urology, 2009, 181, 1964-1966.	0.2	1
43	Anti-diabetic activity of flowers of Hibiscus rosasinensis. FÃ-toterapÃ-Ã, 2008, 79, 79-81.	1.1	42
44	Genetics of Male Infertility. , 0, , 144-144.		0