

Hanna Kmita

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8897/publications.pdf>

Version: 2024-02-01

65
papers

1,087
citations

430874

18
h-index

501196

28
g-index

83
all docs

83
docs citations

83
times ranked

1183
citing authors

#	ARTICLE	IF	CITATIONS
1	The Yeast Mitochondrial Carrier Leu5p and Its Human Homologue Graves' Disease Protein Are Required for Accumulation of Coenzyme A in the Matrix. <i>Molecular and Cellular Biology</i> , 2001, 21, 1089-1097.	2.3	102
2	Mitochondria and calcium flux as targets of neuroprotection caused by minocycline in cerebellar granule cells. <i>Biochemical Pharmacology</i> , 2010, 79, 239-250.	4.4	95
3	Methadone induces necrotic-like cell death in SH-SY5Y cells by an impairment of mitochondrial ATP synthesis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2010, 1802, 1036-1047.	3.8	48
4	Staying young and fit? Ontogenetic and phylogenetic consequences of animal anhydrobiosis. <i>Journal of Zoology</i> , 2019, 309, 1-11.	1.7	43
5	The TOM complex is involved in the release of superoxide anion from mitochondria. <i>Journal of Bioenergetics and Biomembranes</i> , 2009, 41, 361-367.	2.3	39
6	Redox regulation of protein expression in <i>Saccharomyces cerevisiae</i> mitochondria: Possible role of VDAC. <i>Archives of Biochemistry and Biophysics</i> , 2008, 479, 39-45.	3.0	37
7	Integrative description of bisexual <i>Paramacrobotus experimentalis</i> sp. nov. (Macrobotidae) from republic of Madagascar (Africa) with microbiome analysis. <i>Molecular Phylogenetics and Evolution</i> , 2020, 145, 106730.	2.7	34
8	Involvement of the TOM complex in external NADH transport into yeast mitochondria depleted of mitochondrial porin1. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2000, 1509, 86-94.	2.6	33
9	Communication between mitochondria and nucleus: Putative role for VDAC in reduction/oxidation mechanism. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1276-1280.	1.0	32
10	Insight into the Phytoremediation Capability of <i>Brassica juncea</i> (v. Malopolska): Metal Accumulation and Antioxidant Enzyme Activity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4355.	4.1	29
11	High diversity in the <i>Pseudechiniscus suillus</i> "facettalis" complex (Heterotardigrada: Echiniscidae) with remarks on the morphology of the genus <i>Pseudechiniscus</i> . <i>Zoological Journal of the Linnean Society</i> , 2020, 188, 733-752.	2.3	28
12	Two new species of the genus <i>Milnesium</i> Doyère, 1840 (Tardigrada, Apochela, Milnesiidae) from Madagascar. <i>ZooKeys</i> , 2019, 884, 1-22.	1.1	27
13	How the Geomagnetic Field Influences Life on Earth – An Integrated Approach to Geomagnetobiology. <i>Origins of Life and Evolution of Biospheres</i> , 2021, 51, 231-257.	1.9	25
14	Cu,Zn-superoxide dismutase is necessary for proper function of VDAC in <i>Saccharomyces cerevisiae</i> cells. <i>FEBS Letters</i> , 2009, 583, 449-455.	2.8	24
15	Tips and tricks how to culture water bears: simple protocols for culturing eutardigrades (Tardigrada) under laboratory conditions. , 2021, 88, 449-465.		23
16	An interplay between the TOM complex and porin isoforms in the yeast <i>Saccharomyces cerevisiae</i> mitochondria. <i>FEBS Letters</i> , 2001, 500, 12-16.	2.8	21
17	Effects of VDAC isoforms on CuZn-superoxide dismutase activity in the intermembrane space of <i>Saccharomyces cerevisiae</i> mitochondria. <i>Biochemical and Biophysical Research Communications</i> , 2007, 357, 1065-1070.	2.1	21
18	vVDAC2, the second mitochondrial porin isoform of <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 270-279.	1.0	21

#	ARTICLE	IF	CITATIONS
19	Processes Underlying the Upregulation of Tom Proteins in <i>S. cerevisiae</i> Mitochondria Depleted of the VDAC Channel. <i>Journal of Bioenergetics and Biomembranes</i> , 2004, 36, 187-193.	2.3	19
20	Viability of <i>Saccharomyces cerevisiae</i> cells following exposure to H ₂ O ₂ and protective effect of minocycline depend on the presence of VDAC. <i>European Journal of Pharmacology</i> , 2010, 643, 42-47.	3.5	17
21	Environmental adaptation of <i>Acanthamoeba castellanii</i> and <i>Entamoeba histolytica</i> at genome level as seen by comparative genomic analysis. <i>International Journal of Biological Sciences</i> , 2018, 14, 306-320.	6.4	17
22	Integrative description of five <i>Pseudechiniscus</i> species (Heterotardigrada: Echiniscidae: the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf_50 622 T	0.5	17
23	Minocycline Mediated Mitochondrial Cytoprotection: Premises for Therapy of Cerebrovascular and Neurodegenerative Diseases. <i>Current Drug Targets</i> , 2013, 14, 47-55.	2.1	16
24	Human VDAC isoforms differ in their capability to interact with minocycline and to contribute to its cytoprotective activity. <i>Mitochondrion</i> , 2016, 28, 38-48.	3.4	16
25	The access of metabolites into yeast mitochondria in the presence and absence of the voltage dependent anion selective channel (VDAC1).. <i>Acta Biochimica Polonica</i> , 1999, 46, 991-1000.	0.5	16
26	The TOM Complex of Amoebozoans: the Cases of the Amoeba <i>Acanthamoeba castellanii</i> and the Slime Mold <i>Dictyostelium discoideum</i> . <i>Protist</i> , 2015, 166, 349-362.	1.5	15
27	Phylogenetic Analysis of Mitochondrial Outer Membrane β -Barrel Channels. <i>Genome Biology and Evolution</i> , 2012, 4, 110-125.	2.5	14
28	Minocycline exerts uncoupling and inhibiting effects on mitochondrial respiration through adenine nucleotide translocase inhibition. <i>Pharmacological Research</i> , 2012, 65, 120-128.	7.1	14
29	Cytoprotective activity of minocycline includes improvement of mitochondrial coupling: the importance of minocycline concentration and the presence of VDAC. <i>Journal of Bioenergetics and Biomembranes</i> , 2012, 44, 297-307.	2.3	14
30	Molecular Identification of First Putative Aquaporins in Snails. <i>Journal of Membrane Biology</i> , 2014, 247, 239-252.	2.1	14
31	Variability of <i>Echiniscus tristis</i> GÄ...siorek & Kristensen, 2018" is morphology sufficient for taxonomic differentiation of Echiniscidae?. <i>Zootaxa</i> , 2019, 4701, zootaxa.4701.1.1.	0.5	14
32	An Inception Report on the TOM Complex of the Amoeba <i>Acanthamoeba castellanii</i> , a Simple Model Protozoan in Mitochondria Studies. <i>Journal of Bioenergetics and Biomembranes</i> , 2005, 37, 261-268.	2.3	12
33	VDAC contributes to mRNA levels in <i>Saccharomyces cerevisiae</i> cells by the intracellular reduction/oxidation state dependent and independent mechanisms. <i>Journal of Bioenergetics and Biomembranes</i> , 2010, 42, 483-489.	2.3	12
34	Effects of plant extract antioxidative phenolic compounds on energetic status and viability of <i>Saccharomyces cerevisiae</i> cells undergoing oxidative stress. <i>Journal of Functional Foods</i> , 2015, 16, 364-377.	3.4	12
35	Mitochondrial alternative oxidase contributes to successful tardigrade anhydrobiosis. <i>Frontiers in Zoology</i> , 2021, 18, 15.	2.0	12
36	VDAC-Targeted Drugs Affecting Cytoprotection and Mitochondrial Physiology in Cerebrovascular and Cardiovascular Diseases. <i>Current Medicinal Chemistry</i> , 2018, 24, 4419-4434.	2.4	12

#	ARTICLE	IF	CITATIONS
37	Putative new groups of invertebrate water channels based on the snail <i>Helix pomatia</i> L. (Helicidae) MIP protein identification and phylogenetic analysis. <i>European Journal of Cell Biology</i> , 2016, 95, 543-551.	3.6	11
38	Verification of <i>Hypsibius exemplaris</i> GÄ...siorek et al., 2018 (Eutardigrada; Hypsibiidae) application in anhydrobiosis research. <i>PLoS ONE</i> , 2022, 17, e0261485.	2.5	11
39	Under conditions of insufficient permeability of VDAC1, external NADH may use the TOM complex channel to cross the outer membrane of <i>Saccharomyces cerevisiae</i> mitochondria. <i>Journal of Bioenergetics and Biomembranes</i> , 2001, 33, 119-126.	2.3	10
40	Modulation of the voltage-dependent anion-selective channel by cytoplasmic proteins from wild type and the channel depleted cells of <i>Saccharomyces cerevisiae</i> .. <i>Acta Biochimica Polonica</i> , 2003, 50, 415-424.	0.5	9
41	Recombinant yeast VDAC 2: a comparison of electrophysiological features with the native form. <i>FEBS Open Bio</i> , 2019, 9, 1184-1193.	2.3	8
42	The emerging picture of the mitochondrial protein import complexes of Amoebozoa supergroup. <i>BMC Genomics</i> , 2017, 18, 997.	2.8	7
43	The Open State Selectivity of the Bean Seed VDAC Depends on Stigmasterol and Ion Concentration. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3034.	4.1	7
44	Mitochondrial Processes during Early Development of <i>Dictyostelium discoideum</i> : From Bioenergetic to Proteomic Studies. <i>Genes</i> , 2021, 12, 638.	2.4	7
45	Restrictions of Metabolite Permeation Through the Outer Mitochondrial Membrane of Porin-Deficient Yeast Mutant. , 1994, , 341-356.		7
46	Protein import complexes in the mitochondrial outer membrane of Amoebozoa representatives. <i>BMC Genomics</i> , 2016, 17, 99.	2.8	6
47	The Diversity of the Mitochondrial Outer Membrane Protein Import Channels: Emerging Targets for Modulation. <i>Molecules</i> , 2021, 26, 4087.	3.8	6
48	The tardigrade <i>Hypsibius exemplaris</i> Âhas the active mitochondrial alternative oxidase that could be studied at animal organismal level. <i>PLoS ONE</i> , 2021, 16, e0244260.	2.5	6
49	The key role of the energized state of <i>Saccharomyces cerevisiae</i> mitochondria in modulations of the outer membrane channels by the intermembrane space proteins. <i>Journal of Bioenergetics and Biomembranes</i> , 2002, 34, 507-516.	2.3	5
50	The Association of VDAC with Cell Viability of PC12 Model of Huntingtonâ€™s Disease. <i>Frontiers in Oncology</i> , 2016, 6, 238.	2.8	5
51	Editorial: Uncovering the Function of the Mitochondrial Protein VDAC in Health and Disease: From Structure-Function to Novel Therapeutic Strategies. <i>Frontiers in Oncology</i> , 2017, 7, 320.	2.8	5
52	Towards understanding of plant mitochondrial VDAC proteins: an overview of bean (<i>Phaseolus</i>) VDAC proteins. <i>AIMS Biophysics</i> , 2016, 4, 43-62.	0.6	4
53	The access of metabolites into yeast mitochondria in the presence and absence of the voltage dependent anion selective channel (YVDAC1). <i>Acta Biochimica Polonica</i> , 1999, 46, 991-1000.	0.5	4
54	The influence of depletion of voltage dependent anion selective channel on protein import into the yeast <i>Saccharomyces cerevisiae</i> mitochondria.. <i>Acta Biochimica Polonica</i> , 2001, 48, 719-728.	0.5	3

#	ARTICLE	IF	CITATIONS
55	Pharmacological Characterization of the Mechanisms Involved in Delayed Calcium Deregulation in SH-SY5Y Cells Challenged with Methadone. <i>International Journal of Cell Biology</i> , 2012, 2012, 1-8.	2.5	2
56	The The TOB/SAM complex composition in mitochondria of <i>Dictyostelium discoideum</i> during progression from unicellularity to multicellularity. <i>Acta Biochimica Polonica</i> , 2019, 66, 551-557.	0.5	2
57	Minocycline Mediated Mitochondrial Cytoprotection: Premises for Therapy of Cerebrovascular and Neurodegenerative Diseases. <i>Current Drug Targets</i> , 2012, 14, 47-55.	2.1	2
58	Channels of the Outer Membrane of <i>Saccharomyces cerevisiae</i> Mitochondria: Cooperation and Regulation. <i>Toxicology Mechanisms and Methods</i> , 2004, 14, 13-17.	2.7	1
59	Communication between mitochondria and nucleus: Putative role for VDAC in reduction/oxidation mechanism. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 66-67.	1.0	1
60	Voltage-dependent anion channel isoform 3 as a potential male contraceptive drug target. <i>Future Medicinal Chemistry</i> , 2019, 11, 857-867.	2.3	1
61	S3.14 In <i>Saccharomyces cerevisiae</i> cells VDAC mediates the cytosol redox state and subsequently the expression levels of protein import channels of the mitochondrial outer membrane. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, S28.	1.0	0
62	Is huntingtin a modulator of VDAC?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, S121.	1.0	0
63	The mitochondrial inner membrane and the intermembrane space protein import complexes of the Amoebozoa representatives differ in subunit numbers and their isoforms. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, e62.	1.0	0
64	Human VDAC isoform effects on viability of <i>Saccharomyces cerevisiae</i> model of Huntington disease. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, e103-e104.	1.0	0
65	Redox-Sensitive VDAC: A Possible Function as an Environmental Stress Sensor Revealed by Bioinformatic Analysis. <i>Frontiers in Physiology</i> , 2021, 12, 750627.	2.8	0