Hanna Kmita

List of Publications by Year
in descending order

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	Verification of Hypsibius exemplaris GÄ…siorek et al., 2018 (Eutardigrada; Hypsibiidae) application in anhydrobiosis research. PLoS ONE, 2022, 17, e0261485.	2.5	11
2	Tips and tricks how to culture water bears: simple protocols for culturing eutardigrades (Tardigrada) under laboratory conditions. , 2021, 88, 449-465.		23
3	The Open State Selectivity of the Bean Seed VDAC Depends on Stigmasterol and Ion Concentration. International Journal of Molecular Sciences, 2021, 22, 3034.	4.1	7
4	Mitochondrial Processes during Early Development of Dictyostelium discoideum: From Bioenergetic to Proteomic Studies. Genes, 2021, 12, 638.	2.4	7
5	Mitochondrial alternative oxidase contributes to successful tardigrade anhydrobiosis. Frontiers in Zoology, 2021, 18, 15.	2.0	12
6	The Diversity of the Mitochondrial Outer Membrane Protein Import Channels: Emerging Targets for Modulation. Molecules, 2021, 26, 4087.	3.8	6
7	The tardigrade Hypsibius exemplaris Âhas the active mitochondrial alternative oxidase that could be studied at animal organismal level. PLoS ONE, 2021, 16, e0244260.	2.5	6
8	How the Geomagnetic Field Influences Life on Earth â€“ An Integrated Approach to Geomagnetobiology. Origins of Life and Evolution of Biospheres, 2021, 51, 231-257.	1.9	25
9	Redox-Sensitive VDAC: A Possible Function as an Environmental Stress Sensor Revealed by Bioinformatic Analysis. Frontiers in Physiology, 2021, 12, 750627.	2.8	0
10	Integrative description of bisexual Paramacrobiotus experimentalis sp. nov. (Macrobiotidae) from republic of Madagascar (Africa) with microbiome analysis. Molecular Phylogenetics and Evolution, 2020, 145, 106730.	2.7	34
11	High diversity in the Pseudechiniscus suillusâ€“facettalis complex (Heterotardigrada: Echiniscidae) with remarks on the morphology of the genus Pseudechiniscus. Zoological Journal of the Linnean Society, 2020, 188, 733-752.	2.3	28
12	Integrative description of five Pseudechiniscus species (Heterotardigrada: Echiniscidae: the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td	0.5	17
13	Voltage-dependent anion channel isoform 3 as a potential male contraceptive drug target. Future Medicinal Chemistry, 2019, 11, 857-867.	2.3	1
14	Insight into the Phytoremediation Capability of Brassica juncea (v. Malopolska): Metal Accumulation and Antioxidant Enzyme Activity. International Journal of Molecular Sciences, 2019, 20, 4355.	4.1	29
15	Staying young and fit? Ontogenetic and phylogenetic consequences of animal anhydrobiosis. Journal of Zoology, 2019, 309, 1-11.	1.7	43
16	Variability of Echiniscus tristis GÄ…siorek & Kristensen, 2018â€"is morphology sufficient for taxonomic differentiation of Echiniscidae?. Zootaxa, 2019, 4701, zootaxa.4701.1.1.	0.5	14
17	Recombinant yeast VDAC 2: a comparison of electrophysiological features with the native form. FEBS Open Bio, 2019, 9, 1184-1193.	2.3	8
18	The The TOB/SAM complex composition in mitochondria of Dictyostelium discoideum during progression from unicellularity to multicellularity. Acta Biochimica Polonica, 2019, 66, 551-557.	0.5	2

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19	Two new species of the genus Milnesium DoyÃ¨re, 1840 (Tardigrada, Apochela, Milnesiidae) from Madagascar. ZooKeys, 2019, 884, 1-22.	1.1	27
20	yVDAC2, the second mitochondrial porin isoform of Saccharomyces cerevisiae. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 270-279.	1.0	21
21	Environmental adaptation of <i>Acanthamoeba castellanii</i> and <i>Entamoeba histolytica</i> at genome level as seen by comparative genomic analysis. International Journal of Biological Sciences, 2018, 14, 306-320.	6.4	17
22	VDAC-Targeted Drugs Affecting Cytoprotection and Mitochondrial Physiology in Cerebrovascular and Cardiovascular Diseases. Current Medicinal Chemistry, 2018, 24, 4419-4434.	2.4	12
23	Editorial: Uncovering the Function of the Mitochondrial Protein VDAC in Health and Disease: From Structure-Function to Novel Therapeutic Strategies. Frontiers in Oncology, 2017, 7, 320.	2.8	5
24	The emerging picture of the mitochondrial protein import complexes of Amoebozoa supergroup. BMC Genomics, 2017, 18, 997.	2.8	7
25	The Association of VDAC with Cell Viability of PC12 Model of Huntingtonâ€™s Disease. Frontiers in Oncology, 2016, 6, 238.	2.8	5
26	The mitochondrial inner membrane and the intermembrane space protein import complexes of the Amoebozoa representatives differ in subunit numbers and their isoforms. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, e62.	1.0	0
27	Human VDAC isoform effects on viability of Saccharomyces cerevisiae model of Huntington disease. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, e103-e104.	1.0	0
28	Putative new groups of invertebrate water channels based on the snail Helix pomatia L. (Helicidae) MIP protein identification and phylogenetic analysis. European Journal of Cell Biology, 2016, 95, 543-551.	3.6	11
29	Protein import complexes in the mitochondrial outer membrane of Amoebozoa representatives. BMC Genomics, 2016, 17, 99.	2.8	6
30	Human VDAC isoforms differ in their capability to interact with minocycline and to contribute to its cytoprotective activity. Mitochondrion, 2016, 28, 38-48.	3.4	16
31	Towards understanding of plant mitochondrial VDAC proteins: an overview of bean (Phaseolus) VDAC proteins. AIMS Biophysics, 2016, 4, 43-62.	0.6	4
32	Effects of plant extract antioxidative phenolic compounds on energetic status and viability of Saccharomyces cerevisiae cells undergoing oxidative stress. Journal of Functional Foods, 2015, 16, 364-377.	3.4	12
33	The TOM Complex of Amoebozoans: the Cases of the Amoeba Acanthamoeba castellanii and the Slime Mold Dictyostelium discoideum. Protist, 2015, 166, 349-362.	1.5	15
34	Molecular Identification of First Putative Aquaporins in Snails. Journal of Membrane Biology, 2014, 247, 239-252.	2.1	14
35	Minocycline Mediated Mitochondrial Cytoprotection: Premises for Therapy of Cerebrovascular and Neurodegenerative Diseases. Current Drug Targets, 2013, 14, 47-55.	2.1	16
36	Phylogenetic Analysis of Mitochondrial Outer Membrane Î²-Barrel Channels. Genome Biology and Evolution, 2012, 4, 110-125.	2.5	14

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37	Pharmacological Characterization of the Mechanisms Involved in Delayed Calcium Deregulation in SH-SY5Y Cells Challenged with Methadone. International Journal of Cell Biology, 2012, 2012, 1-8.	2.5	2
38	Is huntingtin a modulator of VDAC?. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, S121.	1.0	0
39	Minocycline exerts uncoupling and inhibiting effects on mitochondrial respiration through adenine nucleotide translocase inhibition. Pharmacological Research, 2012, 65, 120-128.	7.1	14
40	Cytoprotective activity of minocycline includes improvement of mitochondrial coupling: the importance of minocycline concentration and the presence of VDAC. Journal of Bioenergetics and Biomembranes, 2012, 44, 297-307.	2.3	14
41	Minocycline Mediated Mitochondrial Cytoprotection: Premises for Therapy of Cerebrovascular and Neurodegenerative Diseases. Current Drug Targets, 2012, 14, 47-55.	2.1	2
42	VDAC contributes to mRNA levels in Saccharomyces cerevisiae cells by the intracellular reduction/oxidation state dependent and independent mechanisms. Journal of Bioenergetics and Biomembranes, 2010, 42, 483-489.	2.3	12
43	Viability of Saccharomyces cerevisiae cells following exposure to H2O2 and protective effect of minocycline depend on the presence of VDAC. European Journal of Pharmacology, 2010, 643, 42-47.	3.5	17
44	Communication between mitochondria and nucleus: Putative role for VDAC in reduction/oxidation mechanism. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1276-1280.	1.0	32
45	Communication between mitochondria and nucleus: Putative role for VDAC in reduction/oxidation mechanism. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 66-67.	1.0	1
46	Mitochondria and calcium flux as targets of neuroprotection caused by minocycline in cerebellar granule cells. Biochemical Pharmacology, 2010, 79, 239-250.	4.4	95
47	Methadone induces necrotic-like cell death in SH-SY5Y cells by an impairment of mitochondrial ATP synthesis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 1036-1047.	3.8	48
48	Cu,Znâ€superoxide dismutase is necessary for proper function of VDAC in <i>Saccharomyces cerevisiae</i> cells. FEBS Letters, 2009, 583, 449-455.	2.8	24
49	The TOM complex is involved in the release of superoxide anion from mitochondria. Journal of Bioenergetics and Biomembranes, 2009, 41, 361-367.	2.3	39
50	S3.14 In Saccharomyces cerevisiae cells VDAC mediates the cytosol redox state and subsequently the expression levels of protein import channels of the mitochondrial outer membrane. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, S28.	1.0	0
51	Redox regulation of protein expression in Saccharomyces cerevisiae mitochondria: Possible role of VDAC. Archives of Biochemistry and Biophysics, 2008, 479, 39-45.	3.0	37
52	Effects of VDAC isoforms on CuZn-superoxide dismutase activity in the intermembrane space of Saccharomyces cerevisiae mitochondria. Biochemical and Biophysical Research Communications, 2007, 357, 1065-1070.	2.1	21
53	An Inception Report on the TOM Complex of the Amoeba Acanthamoeba castellanii, a Simple Model Protozoan in Mitochondria Studies. Journal of Bioenergetics and Biomembranes, 2005, 37, 261-268.	2.3	12
54	Channels of the Outer Membrane ofSaccharomyces cerevisiaeMitochondria: Cooperation and Regulation. Toxicology Mechanisms and Methods, 2004, 14, 13-17.	2.7	1

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55	Processes Underlying the Upregulation of Tom Proteins in S. cerevisiae Mitochondria Depleted of the VDAC Channel. Journal of Bioenergetics and Biomembranes, 2004, 36, 187-193.	2.3	19
56	Modulation of the voltage-dependent anion-selective channel by cytoplasmic proteins from wild type and the channel depleted cells of Saccharomyces cerevisiae.. Acta Biochimica Polonica, 2003, 50, 415-424.	0.5	9
57	The key role of the energized state of Saccharomyces cerevisiae mitochondria in modulations of the outer membrane channels by the intermembrane space proteins. Journal of Bioenergetics and Biomembranes, 2002, 34, 507-516.	2.3	5
58	An interplay between the TOM complex and porin isoforms in the yeastSaccharomyces cerevisiaemitochondria. FEBS Letters, 2001, 500, 12-16.	2.8	21
59	Under conditions of insufficient permeability of VDAC1, external NADH may use the TOM complex channel to cross the outer membrane of Saccharomyces cerevisiae mitochondria. Journal of Bioenergetics and Biomembranes, 2001, 33, 119-126.	2.3	10
60	The Yeast Mitochondrial Carrier Leu5p and Its Human Homologue Graves' Disease Protein Are Required for Accumulation of Coenzyme A in the Matrix. Molecular and Cellular Biology, 2001, 21, 1089-1097.	2.3	102
61	The influence of depletion of voltage dependent anion selective channel on protein import into the yeast Saccharomyces cerevisiae mitochondria.. Acta Biochimica Polonica, 2001, 48, 719-728.	0.5	3
62	Involvement of the TOM complex in external NADH transport into yeast mitochondria depleted of mitochondrial porin1. Biochimica Et Biophysica Acta - Biomembranes, 2000, 1509, 86-94.	2.6	33
63	The access of metabolites into yeast mitochondria in the presence and absence of the voltage dependent anion selective channel (YVDAC1).. Acta Biochimica Polonica, 1999, 46, 991-1000.	0.5	16
64	The access of metabolites into yeast mitochondria in the presence and absence of the voltage dependent anion selective channel (YVDAC1). Acta Biochimica Polonica, 1999, 46, 991-1000.	0.5	4
65	Restrictions of Metabolite Permeation Through the Outer Mitochondrial Membrane of Porin-Deficient Yeast Mutant. , 1994, , 341-356.		7