Nadja MÃ¸bjerg

List of Publications by Year
in descending order

58 papers	1,683 citations	257450 24 h-index	315739 38 g-index
62 all docs	62 docs citations	62 times ranked	1006 citing authors

#	Article	IF	Citations
1	Survival in extreme environments â€“ on the current knowledge of adaptations in tardigrades. Acta Physiologica, 2011, 202, 409-420.	3.8	182
2	A molecular study of the tardigrade Echiniscus testudo (Echiniscidae) reveals low DNA sequence diversity over a large geographical area. Journal of Limnology, 2007, 66, 77.	1.1	118
3	Molecular phylogeny of Arthrotardigrada (Tardigrada). Molecular Phylogenetics and Evolution, 2010, 54, 1006-1015.	2.7	84
4	Extreme stress tolerance in tardigrades: surviving space conditions in low earth orbit. Journal of Zoological Systematics and Evolutionary Research, 2011, 49, 90-97.	1.4	84
5	Phylogeny and evolution of the Echiniscidae (Echiniscoidea, Tardigrada) â€“ an investigation of the congruence between molecules and morphology. Journal of Zoological Systematics and Evolutionary Research, 2011, 49, 6-16.	1.4	69
6	Comparative transcriptomics suggest unique molecular adaptations within tardigrade lineages. BMC Genomics, 2019, 20, 607.	2.8	68
7	Desiccation Tolerance in the Tardigrade Richtersius coronifer Relies on Muscle Mediated Structural Reorganization. PLoS ONE, 2013, 8, e85091.	2.5	57
8	Osmotic cell shrinkage activates ezrin/radixin/moesin (ERM) proteins: activation mechanisms and physiological implications. American Journal of Physiology - Cell Physiology, 2008, 294, C197-C212.	4.6	56
9	Neuroanatomy of Halobiotus crispae (Eutardigrada: Hypsibiidae): Tardigrade brain structure supports the clade panarthropoda. Journal of Morphology, 2012, 273, 1227-1245.	1.2	54
10	New records on cyclomorphosis in the marine eutardigrade Halobiotus crispae (Eutardigrada:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	1.1	47
11	Myoanatomy of the marine tardigrade Halobiotus crispae (Eutardigrada: Hypsibiidae). Journal of Morphology, 2009, 270, 996-1013.	1.2	43
12	Cyclomorphosis in Tardigrada: adaptation to environmental constraints. Journal of Experimental Biology, 2009, 212, 2803-2811.	1.7	42
13	New insights into survival strategies of tardigrades. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2021, 254, 110890.	1.8	40
14	The lateral intercellular space as osmotic coupling compartment in isotonic transport. Acta Physiologica, 2009, 195, 171-186.	3.8	33
15	The tardigrade fauna of Australian marine caves: With descriptions of nine new species of Arthrotardigrada . Zootaxa, 2014, 3802, 401.	0.5	33
16	Morphology and Functional Anatomy. Zoological Monographs, 2018, , 57-94.	1.1	33
17	Thermotolerance experiments on active and desiccated states of Ramazzottius varieornatus emphasize that tardigrades are sensitive to high temperatures. Scientific Reports, 2020, 10, 94.	3.3	33
18	Morphology of the Nephron in the Mesonephros of Bufo bufo (Amphibia, Anura, Bufonidae). Acta Zoologica, 1998, 79, 31-50.	0.8	32

#	ARTICLE	IF	CITATIONS
19	Tun formation is not a prerequisite for desiccation tolerance in the marine tidal tardigradeEchiniscoides sigismundi. Zoological Journal of the Linnean Society, 2016, 178, 907-911.	2.3	32
20	Phylogeny and Integrative Taxonomy of Tardigrada. Zoological Monographs, 2018, , 95-114.	1.1	30
21	Morphology of the kidney in the West African caecilian,Geotrypetes seraphini(Amphibia, Gymnophiona,) Tj ETQq1 1 0.784314 rgBT /Ov	1.2	29
22	Na+ Recirculation and Isosmotic Transport. Journal of Membrane Biology, 2006, 212, 1-15.	2.1	28
23	Brain anatomy of the marine tardigrade actinarctus doryphorus (arthrotardigrada). Journal of Morphology, 2014, 275, 173-190.	1.2	27
24	Application of the Na+ recirculation theory to ion coupled water transport in low- and high resistance osmoregulatory epithelia. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 148, 101-116.	1.8	25
25	Seabirds utilizing the Northeast Water polynya. Journal of Marine Systems, 1997, 10, 47-65.	2.1	24
26	Osmotic stress tolerance in semi-terrestrial tardigrades. Zoological Journal of the Linnean Society, 2016, 178, 912-918.	2.3	24
27	Comparative Investigation of Copper Tolerance and Identification of Putative Tolerance Related Genes in Tardigrades. Frontiers in Physiology, 2017, 8, 95.	2.8	23
28	Notes on the cryptobiotic capability of the marine arthrotardigrades Styraconyx haploceros (Halechiniscidae) and Batillipes pennaki (Batillipedidae) from the tidal zone in Roscoff, France. Marine Biology Research, 2015, 11, 214-217.	0.7	22
29	Data from new taxa inferIsoechiniscoidesgen. nov. and increase the phylogenetic and evolutionary understanding of echiniscoidid tardigrades (Echiniscoidea: Tardigrada). Zoological Journal of the Linnean Society, 2016, 178, 804-818.	2.3	22
30	Studies on the morphology and ultrastructure of the Malpighian tubules of Halobiotus crispae Kristensen, 1982 (Eutardigrada). Zoological Journal of the Linnean Society, 1996, 116, 85-99.	2.3	21
31	Tolerance to Gamma Radiation in the Marine Heterotardigrade, Echiniscoides sigismundi. PLoS ONE, 2016, 11, e0168884.	2.5	21
32	Mitochondria-rich cells as experimental model in studies of epithelial chloride channels. Biochimica Et Biophysica Acta - Biomembranes, 2002, 1566, 28-43.	2.6	20
33	First evidence of epithelial transport in tardigrades: a comparative investigation of organic anion transport. Journal of Experimental Biology, 2012, 215, 497-507.	1.7	20
34	First record of cysts in the tidal tardigrade Echiniscoides sigismundi. Helgoland Marine Research, 2014, 68, 531-537.	1.3	20
35	Inorganic ion composition in Tardigrada: cryptobionts contain large fraction of unidentified organic solutes. Journal of Experimental Biology, 2013, 216, 1235-43.	1.7	17
36	Modelling extreme desiccation tolerance in a marine tardigrade. Scientific Reports, 2018, 8, 11495.	3.3	15

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37	Fluid transport and ion fluxes in mammalian kidney proximal tubule: a model analysis of isotonic transport. Acta Physiologica, 2006, 187, 177-189.	3.8	14
38	Ongoing revision of Echiniscoididae (Heterotardigrada: Echiniscoidea), with the description of a new interstitial species and genus with unique anal structures. Zoological Journal of the Linnean Society, 2020, 188, 663-680.	2.3	13
39	Expression of cystic fibrosis transmembrane conductance regulator in the skin of the toad, Bufo bufo and possible role for Clâ¯ transport across the heterocellular epithelium. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2001, 130, 539-550.	1.8	12
40	Ecology and thermal tolerance of the marine tardigradeHalobiotus crispae(Eutardigrada:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (	0.7	12
41	Physiological and molecular mechanisms of inorganic phosphate handling in the toad Bufo bufo. Pflugers Archiv European Journal of Physiology, 2007, 454, 101-113.	2.8	11
42	Genetic diversity in the parthenogenetic reproducing tardigrade Echiniscus testudo (Heterotardigrada: Echiniscoidea). Journal of Limnology, 2013, 72, .	1.1	11
43	Differential expression profiling of heat stressed tardigrades reveals major shift in the transcriptome. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2022, 267, 111169.	1.8	11
44	K+ transport in the mesonephric collecting duct system of the toadBufo bufo. Journal of Experimental Biology, 2002, 205, 897-904.	1.7	9
45	Functional characterization of the vertebrate primary ureter: Structure and ion transport mechanisms of the pronephric duct in axolotl larvae (Amphibia). BMC Developmental Biology, 2010, 10, 56.	2.1	8
46	Environmental Adaptations: Encystment and Cyclomorphosis. Zoological Monographs, 2018, , 249-271.	1.1	8
47	Extreme freeze-tolerance in cryophilic tardigrades relies on controlled ice formation but does not involve significant change in transcription. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2022, 271, 111245.	1.8	8
48	K(+) transport in the mesonephric collecting duct system of the toad Bufo bufo: microelectrode recordings from isolated and perfused tubules. Journal of Experimental Biology, 2002, 205, 897-904.	1.7	7
49	Ion transport mechanisms in the mesonephric collecting duct system of the toad Bufo bufo: microelectrode recordings from isolated and perfused tubules. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2004, 137, 585-595.	1.8	6
50	Comparative myoanatomy of Tardigrada: new insights from the heterotardigrades Actinarctus doryphorus (Tanarctidae) and Echiniscoides sigismundi (Echiniscoididae). BMC Evolutionary Biology, 2019, 19, 206.	3.2	5
51	New insights into the limited thermotolerance of anhydrobiotic tardigrades. Communicative and Integrative Biology, 2020, 13, 140-146.	1.4	5
52	Osmotic and Ion Regulation in Amphibians. , 2008, , 367-441.		4
53	Surface enhanced Raman scattering on Tardigrada â€“ towards monitoring and imaging molecular structures in live cryptobiotic organisms. Journal of Biophotonics, 2013, 6, 759-764.	2.3	4
54	New records on the rich loriciferan fauna of Trezen ar Skoden (Roscoff, France): Description of two new species of Nanaloricus and the new genus Scutiloricus. PLoS ONE, 2021, 16, e0250403.	2.5	4

#	Article	IF	Citations
55	Research presented at the 14th International Symposium on Tardigrada: progress in studies on water bears. Zoological Journal of the Linnean Society, 2020, 188, 655-662.	2.3	2
56	Characterization of cyclomorphic stages in the marine tardigrade Halobiotus crispae. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2008, 151, S34.	1.8	0
57	Neuroanatomy ofhalobiotus crispae(eutardigrada: hypsibiidae): Tardigrade brain structure supports the clade panarthropoda. Journal of Morphology, 2012, 273, n/a-n/a.	1.2	0
58	Phosphate uptake across amphibian skin is active and sodium dependent. FASEB Journal, 2007, 21, A510.	0.5	0