Jana NebesÃ¡ÅovÃ¡

List of Publications by Year
in descending order

112 papers	2,099 citations	236925 25 h-index	276875 41 g-index
117 all docs	117 docs citations	117 times ranked	2584 citing authors

#	Article	IF	Citations
1	The role of polyhydroxyalkanoates in adaptation of Cupriavidus necator to osmotic pressure and high concentration of copper ions. International Journal of Biological Macromolecules, 2022, 206, 977-989.	7.5	6
2	Influence of the melt holding time on fat droplet size and the viscoelastic properties of model spreadable processed cheeses with different compositions. International Dairy Journal, 2021, 113, 104880.	3.0	4
3	Nanomechanical mechanisms of Lyme disease spirochete motility enhancement in extracellular matrix. Communications Biology, 2021, 4, 268.	4.4	9
4	The First Insight into Polyhydroxyalkanoates Accumulation in Multi-Extremophilic Rubrobacter xylanophilus and Rubrobacter spartanus. Microorganisms, 2021, 9, 909.	3.6	28
5	Biotechnological Conversion of Grape Pomace to Poly(3-hydroxybutyrate) by Moderately Thermophilic Bacterium Tepidimonas taiwanensis. Bioengineering, 2021, 8, 141.	3.5	20
6	Heteromorphism of sperm axonemes in a parasitic flatworm, progenetic Diplocotyle olrikii Krabbe, 1874 (Cestoda, Spathebothriidea). Parasitology Research, 2020, 119, 177-187.	1.6	3
7	Spermiogenesis produces the spermatozoa with 9 + â€˜1â€™ and 9 + 0 axonemal pattern in progenetic cestode Diplocotyle olrikii Krabbe, 1874 (Spathebothriidea: Acrobothriidae). Parasitology Research, 2020, 119, 4103-4111.	1.6	0
8	Introducing the Newly Isolated Bacterium Aneurinibacillus sp. H1 as an Auspicious Thermophilic Producer of Various Polyhydroxyalkanoates (PHA) Copolymersâ€“2. Material Study on the Produced Copolymers. Polymers, 2020, 12, 1298.	4.5	15
9	Introducing the Newly Isolated Bacterium Aneurinibacillus sp. H1 as an Auspicious Thermophilic Producer of Various Polyhydroxyalkanoates (PHA) Copolymersâ€“1. Isolation and Characterization of the Bacterium. Polymers, 2020, 12, 1235.	4.5	23
10	Three-dimensional reconstruction of the feeding apparatus of the tick Ixodes ricinus (Acari: Ixodidae): a new insight into the mechanism of blood-feeding. Scientific Reports, 2020, 10, 165.	3.3	18
11	Ultrastructure and cytochemistry of the mature spermatozoon of Khawia armeniaca (Cholodkovsky,) Tj ETQq1 1 0.784314 rgBT /Ove	0.9	2
12	Production of polyhydroxyalkanoates on waste frying oil employing selected Halomonas strains. Bioresource Technology, 2019, 292, 122028.	9.6	77
13	New data on spermiogenesis and trepaxonematan axoneme in basal tapeworms (Cestoda,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	3.3	5
14	Ultrastructural mapping of salivary gland innervation in the tick Ixodes ricinus. Scientific Reports, 2019, 9, 6860.	3.3	14
15	First ultrastructural and cytochemical data on the spermatozoon and its differentiation in progenetic and adult Archigetes sieboldi Leuckart, 1878 (Cestoda, Caryophyllidea, Caryophyllaeidae). Parasitology Research, 2019, 118, 1205-1214.	1.6	5
16	Quantitative STEM imaging of electron beam induced mass loss of epoxy resin sections. Ultramicroscopy, 2019, 202, 44-50.	1.9	11
17	What keeps polyhydroxyalkanoates in bacterial cells amorphous? A derivation from stress exposure experiments. Applied Microbiology and Biotechnology, 2019, 103, 1905-1917.	3.6	29
18	PHA granules help bacterial cells to preserve cell integrity when exposed to sudden osmotic imbalances. New Biotechnology, 2019, 49, 129-136.	4.4	72

#	Article	IF	Citations
19	Essential Methods of Plant Sample Preparation for High-Resolution Scanning Electron Microscopy at Room Temperature. Methods in Molecular Biology, 2019, 1992, 63-76.	0.9	4
20	The effect of rework content addition on the microstructure and viscoelastic properties of processed cheese. Journal of Dairy Science, 2018, 101, 2956-2962.	3.4	6
21	Characterization of the promising poly(3-hydroxybutyrate) producing halophilic bacterium Halomonas halophila. Bioresource Technology, 2018, 256, 552-556.	9.6	94
22	The innovation of cryo-SEM freeze-fracturing methodology demonstrated on high pressure frozen biofilm. Micron, 2018, 110, 28-35.	2.2	15
23	Monitoring Candida parapsilosis and Staphylococcus epidermidis Biofilms by a Combination of Scanning Electron Microscopy and Raman Spectroscopy. Sensors, 2018, 18, 4089.	3.8	23
24	Effect of jasplakinolide and cytochalasin D on cortical elements involved in the gliding motility of the eugregarine Gregarina garnhami (Apicomplexa). European Journal of Protistology, 2018, 66, 97-114.	1.5	3
25	Catalogue of morphological scale deformities from 13 species of freshwater fish from the Kaniv Reservoir (Dnieper), Ukraine. Marine and Freshwater Research, 2018, 69, 1569.	1.3	5
26	Ultrastructural, cytochemistry and electron tomography analysis of Caryophyllaeides fennica (Schneider, 1902) (Cestoda: Lytocestidae) reveals novel spermatology characteristics in the Eucestoda. Parasitology Research, 2018, 117, 3091-3102.	1.6	7
27	Microstructure and textural and viscoelastic properties of model processed cheese with different dry matter and fat in dry matter content. Journal of Dairy Science, 2017, 100, 4300-4307.	3.4	24
28	The presence of PHB granules in cytoplasm protects non-halophilic bacterial cells against the harmful impact of hypertonic environments. New Biotechnology, 2017, 39, 68-80.	4.4	54
29	Cellular interfaces with hydrogen-bonded organic semiconductor hierarchical nanocrystals. Nature Communications, 2017, 8, 91.	12.8	51
30	Pleomorphism and Viability of the Lyme Disease Pathogen Borrelia burgdorferi Exposed to Physiological Stress Conditions: A Correlative Cryo-Fluorescence and Cryo-Scanning Electron Microscopy Study. Frontiers in Microbiology, 2017, 8, 596.	3.5	15
31	Electron Beam Induced Mass Loss Dependence on Stained Thin Epon Resin Sections. Microscopy and Microanalysis, 2016, 22, 926-927.	0.4	0
32	Accumulation of PHA granules inCupriavidus necatoras seen by confocal fluorescence microscopy. FEMS Microbiology Letters, 2016, 363, fnw094.	1.8	41
33	Occurrence, pathology, and ultrastructure of iridovirus and cytoplasmic polyhedrosis viruses in daphnids from the Czech Republic. Journal of Invertebrate Pathology, 2016, 140, 35-38.	3.2	2
34	The cutting of ultrathin sections with the thickness less than 20 nm from biological specimens embedded in resin blocks. Microscopy Research and Technique, 2016, 79, 512-517.	2.2	6
35	Globulispora mitoportans n. g., n. sp., (Opisthosporidia: Microsporidia) a microsporidian parasite of daphnids with unusual spore organization and prominent mitosome-like vesicles. Journal of Invertebrate Pathology, 2016, 135, 43-52.	3.2	20
36	Novel method of simultaneous multiple immunogold localization on resin sections in high resolution scanning electron microscopy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 105-108.	3.3	2

#	Article	IF	Citations
37	Correlative cryo-fluorescence and cryo-scanning electron microscopy as a straightforward tool to study host-pathogen interactions. Scientific Reports, 2015, 5, 18029.	3.3	17
38	Correlative Fluorescence and Scanning Electron Microscopy of Labelled Core Fucosylated Glycans Using Cryosections Mounted on Carbon-Patterned Glass Slides. PLoS ONE, 2015, 10, e0145034.	2.5	6
39	Nippotaenia mogurndae Yamaguti et Myiata, 1940 (Cestoda, Nippotaeniidea): first data on spermiogenesis and sperm ultrastructure. Parasitology Research, 2015, 114, 1443-1453.	1.6	9
40	Imaging of tissue sections with very slow electrons. Ultramicroscopy, 2015, 148, 146-150.	1.9	3
41	Investigation of Electron Beam Induced Mass Loss of Embedding Media in the Low Voltage STEM. Microscopy and Microanalysis, 2014, 20, 1270-1271.	0.4	1
42	Cryo-SEM of Perpendicular Cross Freeze-Fractures Through a High-Pressure-frozen Biofilm. Microscopy and Microanalysis, 2014, 20, 1232-1233.	0.4	1
43	Simultaneous detection of multiple targets for ultrastructural immunocytochemistry. Histochemistry and Cell Biology, 2014, 141, 229-239.	1.7	14
44	Field emission scanning electron microscopy (FE-SEM) as an approach for nanoparticle detection inside cells. Micron, 2014, 67, 149-154.	2.2	34
45	New Method for Multiple Immunodetection on Resin Ultrathin Section in the Field Emission Scanning Electron Microscope. Microscopy and Microanalysis, 2014, 20, 1266-1267.	0.4	1
46	Cytocomposition of the vitellarium in Khawia sinensis HsÃ¼, 1935 (Cestoda, Caryophyllidea,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 2013, 112, 2703-2711.	1.6	5
47	Reinvestigation of vitellogenesis in Caryophyllaeus laticeps (Pallas, 1781) (Cestoda, Caryophyllidea,) Tj ETQq1 1 0.784314 rgBT /Over 73-81.	0.9	6
48	Morphology and ultrastructure of beluga (Huso huso) spermatozoa and a comparison with related sturgeons. Animal Reproduction Science, 2013, 137, 220-229.	1.5	13
49	Real-Time Imaging of SPION Modified Stem Cells. Biophysical Journal, 2013, 104, 674a.	0.5	0
50	Description and phylogeny of Zelenkaia trichopterae gen. et sp. nov. (Microsporidia), an aquatic microsporidian parasite of caddisflies (Trichoptera) forming spore doublets. Journal of Invertebrate Pathology, 2013, 114, 11-21.	3.2	4
51	Is it possible to measure diameters of metal nanoparticles using BSE imaging in FESEM?. Micron, 2013, 44, 159-166.	2.2	5
52	Ultrastructure of the spermatozoon of the diphyllobothriidean cestode Cephalochlamys namaquensis (Cohn, 1906). Parasitology Research, 2012, 111, 1037-1043.	1.6	9
53	Association of Poly(4-hydroxystyrene)-block-Poly(Ethylene oxide) in Aqueous Solutions: Block Copolymer Nanoparticles with Intermixed Blocks. Langmuir, 2012, 28, 307-313.	3.5	23
54	Uptake and incorporation of sialic acid by the tick Ixodes ricinus. Journal of Insect Physiology, 2012, 58, 1277-1287.	2.0	13

#	Article	IF	Citations
55	Preparation of stable Pd nanocubes and their use in biological labeling. Colloids and Surfaces B: Biointerfaces, 2012, 100, 205-208.	5.0	6
56	Early intrauterine embryonic development in Khawia sinensis HsÃ¼, 1935 (Cestoda, Caryophyllidea,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Research, 2012, 110, 1009-1017.	1.6	13
57	A method for preserving ultrastructural properties of mitotic cells for subsequent immunogold labeling using low-temperature embedding in LR White resin. Histochemistry and Cell Biology, 2011, 135, 103-110.	1.7	8
58	Ultrastructural aspects of spermatogenesis, testes, and vas deferens in the parthenogenetic tapeworm Atractolytocestus huronensis Anthony, 1958 (Cestoda: Caryophyllidea), a carp parasite from Slovakia. Parasitology Research, 2011, 108, 61-68.	1.6	9
59	Application of Colloidal Palladium Nanoparticles for Labeling in Electron Microscopy. Microscopy and Microanalysis, 2011, 17, 810-816.	0.4	6
60	Ultrastructure of the mature spermatozoon of Eubothrium rugosum (Batsch, 1786) with a re-assessment of the spermatozoon ultrastructure of Eubothrium crassum (Bloch, 1779) (Cestoda:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	12
61	Size determination of Acipenser ruthenus spermatozoa in different types of electron microscopy. Micron, 2010, 41, 455-460.	2.2	9
62	The Arabidopsis Exocyst Complex Is Involved in Cytokinesis and Cell Plate Maturation. Plant Cell, 2010, 22, 3053-3065.	6.6	151
63	Cytoskeleton-Associated Large RNP Complexes in Tobacco Male Gametophyte (EPPs) Are Associated with Ribosomes and Are Involved in Protein Synthesis, Processing, and Localization. Journal of Proteome Research, 2009, 8, 2015-2031.	3.7	46
64	Morphology, chemical contents and physiology of chondrostean fish sperm: a comparative study between Siberian sturgeon (Acipenser baerii) and sterlet (Acipenser ruthenus). Journal of Applied Ichthyology, 2008, 24, 371-377.	0.7	48
65	How to Observe Small Biological Objects in Low Voltage Electron Microscope. Microscopy and Microanalysis, 2007, 13, 248-249.	0.4	8
66	Organisation of Photosystem I and Photosystem II in red alga Cyanidium caldarium: Encounter of cyanobacterial and higher plant concepts. Biochimica Et Biophysica Acta - Bioenergetics, 2007, 1767, 725-731.	1.0	55
67	Aquatic tetrasporoblastic microsporidia from caddis flies (Insecta, Trichoptera): Characterisation, phylogeny and taxonomic reevaluation of the genera Episeptum Larsson, 1986, Pyrotheca Hesse, 1935 and Cougourdella Hesse, 1935. European Journal of Protistology, 2007, 43, 205-224.	1.5	9
68	Morphology and ultrastructure of Siberian sturgeon (Acipenser baerii) spermatozoa using scanning and transmission electron microscopy. Biology of the Cell, 2007, 99, 103-115.	2.0	57
69	ULTRASTRUCTURE AND LECTIN CHARACTERIZATION OF GRANULAR SALIVARY CELLS FROM IXODES RICINUS FEMALES. Journal of Parasitology, 2006, 92, 431-440.	0.7	9
70	Ultrastructure of spermatozoa of tench Tinca tinca observed by means of scanning and transmission electron microscopy. Theriogenology, 2006, 66, 1355-1363.	2.1	28
71	Fat body of Prorhinotermes simplex (Isoptera: Rhinotermitidae): Ultrastructure, inter-caste differences and lipid composition. Micron, 2006, 37, 648-656.	2.2	32
72	Studies on sperm of diploid and triploid tench, Tinca tinca (L.). Aquaculture International, 2006, 14, 9-25.	2.2	50

#	Article	IF	Citations
73	Three-dimensional reconstruction of anomalous chloroplasts in transgenic ipt tobacco. Planta, 2006, 223, 659-671.	3.2	18
74	Cyanobacterial Small Chlorophyll-binding Protein ScpD (HliB) Is Located on the Periphery of Photosystem II in the Vicinity of PsbH and CP47 Subunits. Journal of Biological Chemistry, 2006, 281, 32705-32713.	3.4	68
75	Ultrastructure of the secondary osmoregulatory canals in the scolex and neck region of Silurotaenia siluri (Batsch, 1786) (Cestoda: Proteocephalidae). Folia Parasitologica, 2006, 53, 73-75.	1.3	0
76	Ultrastructure of the secondary osmoregulatory canals in the scolex and neck region of Silurotaenia siluri (Batsch, 1786) (Cestoda: Proteocephalidae). Folia Parasitologica, 2006, 53, 73-5.	1.3	0
77	Transmission electron microscopy of the scolex and neck microtriches of Silurotaenia siluri (Batsch,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	7
78	Lectin-binding characteristics of a lyme borreliosis spirocheteBorrelia burgdorferi sensu stricto. Folia Microbiologica, 2005, 50, 229-238.	2.3	10
79	Giardia mitosomes and trichomonad hydrogenosomes share a common mode of protein targeting. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10924-10929.	7.1	141
80	REINVESTIGATION OF SPERMIOGENESIS IN THE PROTEOCEPHALIDEAN CESTODE PROTEOCEPHALUS LONGICOLLIS (ZEDER, 1800). Journal of Parasitology, 2004, 90, 23-29.	0.7	25
81	Transmission electron microscopy of presumed sensory receptors in the forebody papillae of Crepidostomum metoecus (Digenea: Allocreadiidae). Folia Parasitologica, 2004, 51, 27-32.	1.3	9
82	Ultrastructure of the apical glandular region of the scolex of Proteocephalus torulosus (Cestoda:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	10
83	Transmission electron microscopy of presumed sensory receptors in the forebody papillae of Crepidostomum metoecus (Digenea: Allocreadiidae). Folia Parasitologica, 2004, 51, 27-32.	1.3	2
84	Ultrastructure of the apical glandular region of the scolex of Proteocephalus torulosus (Cestoda:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	3
85	Exposed and hidden lectin-binding epitopes at the surface ofBorrelia burgdorferi. Folia Microbiologica, 2003, 48, 654-658.	2.3	6
86	Ultrastructure of the spermatozoon of the proteocephalidean cestode Proteocephalus torulosus (Batsch, 1786). Parasitology Research, 2003, 89, 345-351.	1.6	24
87	Ultrastructure of the early rostellum of Silurotaenia siluri (Batsch, 1786) (Cestoda:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 182	1.6	14
88	Spermiogenesis in the proteocephalidean cestode Proteocephalus torulosus (Batsch, 1786). Parasitology Research, 2003, 90, 318-324.	1.6	24
89	Reinvestigation of the spermatozoon ultrastructure of the cestode Proteocephalus longicollis (Zeder, 1800), a parasite of salmonid fish. Parasitology Research, 2003, 91, 357-362.	1.6	25
90	Surface Glycoconjugates of Lyme Borreliosis Spirochetes. Microscopy and Microanalysis, 2003, 9, 506-507.	0.4	0

#	Article	IF	Citations
91	Transmission electron microscopy of intra-tegumental sensory receptors in the forebody of Crepidostomum metoecus (Digenea: Allocreadiidae). Folia Parasitologica, 2003, 50, 215-219.	1.3	12
92	Transmission electron microscopy of intra-tegumental sensory receptors in the forebody of Crepidostomum metoecus (Digenea: Allocreadiidae). Folia Parasitologica, 2003, 50, 215-9.	1.3	1
93	Stichosome ultrastructure of the fish nematodeCapillaria pterophylliHeinze, 1933. Parasite, 2002, 9, 181-185.	2.0	1
94	Ultrastructure of the spermatozoon of the pseudophyllidean cestode Eubothrium crassum (Bloch,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	30
95	Ultrastructure of pigmented photoreceptor of adult Crepidostomum metoecus (Trematoda: Digenea:) Tj ETQq1 1 0.784314 rgBT /Over	1.3	4
96	Ultrastructure of the forebody and foregut tegument and eccrine gland cells of Crepidostomum metoecus (Trematoda: Digenea: Allocreadiidae). Folia Parasitologica, 2002, 49, 291-294.	1.3	3
97	Ultrastructure of pigmented photoreceptor of adult Crepidostomum metoecus (Trematoda: Digenea:) Tj ETQq1 1 0.784314 rgBT /Over	1.3	0
98	Ultrastructure of the forebody and foregut tegument and eccrine gland cells of Crepidostomum metoecus (Trematoda: Digenea: Allocreadiidae). Folia Parasitologica, 2002, 49, 291-4.	1.3	0
99	SURVEY FOR STONE FRUIT PHYTOPLASMAS IN THE CZECH REPUBLIC. Acta Horticulturae, 2001, , 377-382.	0.2	20
100	Spermiogenesis in the pseudophyllid cestode Eubothrium crassum (Bloch, 1779). Parasitology Research, 2001, 87, 579-588.	1.6	42
101	The Occurrence of a Rhabdovirus in Daphne mezereum in the Czech Republic. Journal of Phytopathology, 2001, 149, 293-296.	1.0	2
102	Egg shell ultrastructure of the fish nematode Huffmanela huffmani (Trichosomoididae). Folia Parasitologica, 2001, 48, 231-234.	1.3	13
103	A Carrot Proliferation Disease Associated with Rickettsia-like Organisms in the Czech Republic. Journal of Phytopathology, 2000, 148, 53.	1.0	4
104	Bacillary band ultrastructure of the fish parasite Capillaria pterophylli (Nematoda: Capillariidae). Folia Parasitologica, 2000, 47, 45-48.	1.3	3
105	The Relation Between Changes in Non-Photochemical Quenching, Low Temperature Fluorescence Emission, and Membrane Ultrastructure Upon Binding of Polyionic Compounds and Fragments of Light-Harvesting Complex 2. Photosynthetica, 1999, 37, 325.	1.7	1
106	Leek Proliferation: A New Phytoplasma Disease in the Czech Republic and Italy. European Journal of Plant Pathology, 1999, 105, 487-493.	1.7	9
107	Distribution and ultrastructure of two types of scolex gland cells in adultProteocephalus macrocephalus(Cestoda, Proteocephalidea). Parasite, 1999, 6, 49-56.	2.0	9
108	Identification of Phytoplasma Infecting Lilium martagon in the Czech Republic. Journal of Phytopathology, 1998, 146, 609-612.	1.0	16

#	Article	IF	Citations
109	Comparison of phytoplasmas infecting winter oilseed rape in the Czech Republic with Italian Brassica phytoplasmas and their relationship to the aster yellows group. Plant Pathology, 1998, 47, 317-324.	2.4	35
110	Cercariaâ€“schistosomulum surface transformation of Trichobilharzia szidati and its putative immunological impact. Parasitology, 1998, 116, 139-147.	1.5	38
111	The effect of virus infection on morphology and protein components of pollen grains. Biologia Plantarum, 1996, 38, 445.	1.9	0
112	Symbiotic Tissue Degradation Pattern in the Ineffective Nodules of Three Nodulation Mutants of Pea (Pisum sativum L.). Annals of Botany, 1995, 76, 303-313.	2.9	36