

Jiri Neustupa

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Phylogenetic, ecological and intraindividual variability patterns in grass phytolith shape. <i>Annals of Botany</i> , 2022, 129, 303-314.	2.9	4
2	Geometric Morphometrics of Bilateral Asymmetry in <i>Eunotia bilunaris</i> (Eunotiales, Bacillariophyceae) as a Tool for the Quantitative Assessment of Teratogenic Deviations in Frustule Shapes. <i>Symmetry</i> , 2022, 14, 42.	2.2	1
3	Geometric morphometrics shows a close relationship between the shape features, position on thalli, and CaCO ₃ content of segments in <i>Halimeda tuna</i> (Bryopsidales, Ulvophyceae). <i>Hydrobiologia</i> , 2022, 849, 2581-2594.	2.0	3
4	Inter- and intraspecific variation in grass phytolith shape and size: a geometric morphometrics perspective. <i>Annals of Botany</i> , 2021, 127, 191-201.	2.9	13
5	Male sterility significantly elevates shape variation and fluctuating asymmetry of zygomorphic corolla in gynodioecious <i>Glechoma hederacea</i> (Lamiaceae). <i>AoB PLANTS</i> , 2021, 13, plab013.	2.3	4
6	Disentangling phylogenetic and functional components of shape variation among shoot apical meristems of a wide range of herbaceous angiosperms. <i>American Journal of Botany</i> , 2020, 107, 20-30.	1.7	5
7	Morphometric Analysis of Surface Utricles in <i>Halimeda tuna</i> (Bryopsidales, Ulvophyceae) Reveals Variation in Their Size and Symmetry within Individual Segments. <i>Symmetry</i> , 2020, 12, 1271.	2.2	3
8	Geometric morphometrics reveals increased symmetric shape variation and asymmetry related to lead exposure in the freshwater green alga <i>Micrasterias compereana</i> . <i>Ecological Indicators</i> , 2020, 111, 106054.	6.3	4
9	Gynodioecy in the common spindle tree (<i>Euonymus europaeus</i> L.) involves differences in the asymmetry of corolla shapes between sexually differentiated flowers. <i>PeerJ</i> , 2020, 8, e8571.	2.0	3
10	Habitat preferences of <i>Micrasterias arcuata</i> (Desmidiaceae, Viridiplantae) in wetlands from central Brazil: an allometric study. <i>Hydrobiologia</i> , 2019, 842, 143-156.	2.0	2
11	Asymmetry in <i>Luticola</i> species. <i>Diatom Research</i> , 2019, 34, 67-74.	1.2	4
12	Discrimination of the species of the <i>Crassiphycus corneus</i> / <i>C. usneoides</i> complex (Gracilariaceae). <i>Trends in Microbiology</i> , 2019, 27, 101-110.	0.4	2
13	Morphological allometry constrains symmetric shape variation, but not asymmetry, of <i>Halimeda tuna</i> (Bryopsidales, Ulvophyceae) segments. <i>PLoS ONE</i> , 2018, 13, e0206492.	2.5	6
14	Symmetry breaking of the cellular lobes closely relates to phylogenetic structure within green microalgae of the <i>Micrasterias</i> lineage (Zygnematophyceae). <i>PeerJ</i> , 2018, 6, e6098.	2.0	5
15	<i>Phyllosiphon duini</i> sp. nov. (Trebouxiophyceae, Chlorophyta), a Species Isolated from a Corticolous Phototrophic Biofilm. <i>Cryptogamie, Algologie</i> , 2018, 39, 23-34.	0.9	6
16	Eustigmatophyceae. <i>Journal of Phycology</i> , 2017, 53, 367-406.		19
17	Small-scale variation of corticolous microalgal covers: effects of microhabitat, season, and space. <i>Phycological Research</i> , 2017, 65, 299-311.	1.6	4
18	Asymmetry and integration of cellular morphology in <i>Micrasterias compereana</i> . <i>BMC Evolutionary Biology</i> , 2017, 17, 1.	3.2	174

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19	Morphometric Asymmetry of Frustule Outlines in the Pennate Diatom <i>Luticola poulickovae</i> (Bacillariophyceae). <i>Symmetry</i> , 2016, 8, 150.	2.2	14
20	Host specificity of epiphytic diatom (Bacillariophyceae) and desmid (Desmidiaceae) communities. <i>Aquatic Ecology</i> , 2016, 50, 697-709.	1.5	17
21	Morphometric allometry of representatives of three naviculoid genera throughout their life cycle. <i>Diatom Research</i> , 2016, 31, 231-242.	1.2	13
22	<i>Phyllosiphon ari</i> sp. nov. (Watanabea clade, Trebouxiophyceae), a new parasitic species isolated from leaves of <i>Arum italicum</i> (Araceae). <i>Phytotaxa</i> , 2016, 283, 143.	0.3	10
23	A new species, <i>Navicula lothargeitleri</i> sp. nov., within the <i>Navicula cryptocephala</i> complex (Bacillariophyceae). <i>Phytotaxa</i> , 2016, 273, 23.	0.3	7
24	Static allometry of unicellular green algae: scaling of cellular surface area and volume in the genus <i>Micrasterias</i> (Desmidiaceae). <i>Journal of Evolutionary Biology</i> , 2016, 29, 292-305.	1.7	8
25	Silica-scaled chrysophytes (Stramenopiles, Ochrophyta) along a salinity gradient: a case study from the Gulf of Bothnia western shore (northern Europe). <i>Hydrobiologia</i> , 2016, 764, 187-197.	2.0	18
26	Eustigmatophyceae. , 2016, , 1-39.		5
27	Morphology and phylogeny of parasitic and free-living members of the genus <i>Phyllosiphon</i> (Trebouxiophyceae, Chlorophyta). <i>Nova Hedwigia</i> , 2015, 101, 501-518.	0.4	10
28	Microalgal biofilms on common yew needles in relation to anthropogenic air pollution in urban Prague, Czech Republic. <i>Science of the Total Environment</i> , 2015, 508, 7-12.	8.0	11
29	Community structure of corticolous microalgae within a single forest stand: evaluating the effects of bark surface pH and tree species. <i>Fottea</i> , 2015, 15, 113-122.	0.9	17
30	DNA Content Variation and Its Significance in the Evolution of the Genus <i>Micrasterias</i> (Desmidiaceae). <i>Tj ETQqO 0 0 rgBT /Overlock 10 Tf 5</i>	2.5	13
31	Shape Differences Between the Faces of Homosexual and Heterosexual Men. <i>Archives of Sexual Behavior</i> , 2014, 43, 353-361.	1.9	39
32	Molecular diversity of green corticolous microalgae from two sub-Mediterranean European localities. <i>European Journal of Phycology</i> , 2014, 49, 345-355.	2.0	21
33	Splitting of <i>Micrasterias fimbriata</i> (Desmidiaceae, Viridiplantae) into two monophyletic species and description of <i>Micrasterias compereana</i> sp. nov.. <i>Plant Ecology and Evolution</i> , 2014, 147, 405-411.	0.7	4
34	<i>Parachloroidium</i> gen. nov. (Trebouxiophyceae, Chlorophyta), a novel genus of coccoid green algae from subaerial corticolous biofilms. <i>Phycologia</i> , 2013, 52, 411-421.	1.4	31
35	Polyphasic evaluation of <i>Xanthidium antilopaeum</i> and <i>Xanthidium cristatum</i> (Zygnematophyceae, Streptophyta) species complex. <i>Journal of Phycology</i> , 2013, 49, 401-416.	2.3	9
36	<i>Leptochlorella corticola</i> gen. et sp. nov. and <i>Kalinella apyrenoidosa</i> sp. nov.: two novel Chlorella-like green microalgae (Trebouxiophyceae, Chlorophyta) from subaerial habitats. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 377-387.	1.7	41

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37	Differential cell size structure of desmids and diatoms in the phytobenthos of peatlands. <i>Hydrobiologia</i> , 2013, 709, 159-171.	2.0	23
38	Epibryic diatoms from ombrotrophic mires: diversity, gradients and indicating options. <i>Nova Hedwigia</i> , 2013, 96, 351-365.	0.4	11
39	Distribution patterns of subaerial corticolous microalgae in two European regions. <i>Plant Ecology and Evolution</i> , 2013, 146, 279-289.	0.7	16
40	A case of taxonomic inflation in coccoid algae: <i>Ellipsoidion parvum</i> and <i>Neocystis vischeri</i> are conspecific with <i>Neocystis</i> (= <i>Nephrodiella</i>) <i>brevis</i> (Chlorophyta). <i>Trends in Microbiology</i> , 2013, 21, 506-517.	1.0	17
41	Analysis of the type material of <i>Pinnularia divergentissima</i> (Grunow in Van Heurck) Cleve (Bacillariophyceae). <i>Fottea</i> , 2013, 13, 1-14.	0.9	3
42	Patterns of symmetric and asymmetric morphological variation in unicellular green microalgae of the genus <i>Micrasterias</i> (Desmidiaceae, Viridiplantae). <i>Fottea</i> , 2013, 13, 53-63.	0.9	22
43	Lakes and pools of Aquitaine region (France) – a biodiversity hotspot of Synurales in Europe. <i>Nova Hedwigia</i> , 2012, 95, 1-24.	0.4	29
44	Ecological variation within traditional diatom morphospecies: diversity of <i>Frustulia rhomboides</i> sensu lato (Bacillariophyceae) in European freshwater habitats. <i>Phycologia</i> , 2012, 51, 552-561.	1.4	18
45	Molecular phylogeny of baculiform desmid taxa (Zygnematophyceae). <i>Plant Systematics and Evolution</i> , 2012, 298, 1281-1292.	0.9	8
46	Spatio-temporal community structure of peat bog benthic desmids on a microscale. <i>Aquatic Ecology</i> , 2012, 46, 229-239.	1.5	6
47	A multilocus phylogeny of the desmid genus <i>Micrasterias</i> (Streptophyta): Evidence for the accelerated rate of morphological evolution in protists. <i>Molecular Phylogenetics and Evolution</i> , 2011, 61, 933-943.	2.7	20
48	Species concept and morphological differentiation of strains traditionally assigned to <i>Micrasterias truncata</i> . <i>Phycological Research</i> , 2011, 59, 208-220.	1.6	12
49	JENUFA GEN. NOV.: A NEW GENUS OF COCCOID GREEN ALGAE (CHLOROPHYCEAE, INCERTAE SEDIS) PREVIOUSLY RECORDED BY ENVIRONMENTAL SEQUENCING. <i>Journal of Phycology</i> , 2011, 47, 928-938.	2.3	41
50	<i>Xylochloris irregularis</i> gen. et sp. nov. (Trebouxiophyceae, Chlorophyta), a novel subaerial coccoid green alga. <i>Phycologia</i> , 2011, 50, 57-66.	1.4	57
51	A novel, combined approach to assessing species delimitation and biogeography within the well-known desmid species <i>Micrasterias fimbriata</i> and <i>M. rotata</i> (Desmidiaceae, Streptophyta). <i>Hydrobiologia</i> , 2011, 667, 223-239.	2.0	20
52	The effects of aperiodic desiccation on the diversity of benthic desmid assemblages in a lowland peat bog. <i>Biodiversity and Conservation</i> , 2011, 20, 1695-1711.	2.6	18
53	The pH-related morphological variations of two acidophilic species of Desmidiaceae (Viridiplantae) isolated from a lowland peat bog, Czech Republic. <i>Aquatic Ecology</i> , 2010, 44, 409-419.	1.5	22
54	Pseudocryptic Diversity versus Cosmopolitanism in Diatoms: a Case Study on <i>Navicula cryptocephala</i> Kützing. (Bacillariophyceae) and Morphologically Similar Taxa. <i>Protist</i> , 2010, 161, 353-369.	1.5	84

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55	THE MOLECULAR PHYLOGENETIC AND GEOMETRIC MORPHOMETRIC EVALUATION OF MICRASTERIAS CRUX-MELITENSIS/M. RADIANS SPECIES COMPLEX1. Journal of Phycology, 2010, 46, 703-714.	2.3	20
56	Hylodesmus singaporensis gen. et sp. nov., a new autosporic subaerial green alga (Scenedesmaceae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 2010, 60, 1224-1235.	1.7	43
57	Diversity of subaerial algae and cyanobacteria growing on bark and wood in the lowland tropical forests of Singapore. Plant Ecology and Evolution, 2010, 143, 51-62.	0.7	44
58	Morphological plasticity of silica scales of Synura echinulata (Synurophyceae) in crossed gradients of light and temperature â€“ a geometric morphometric approach. Nova Hedwigia, 2010, 136, 21-32.	0.2	12
59	Shape variation of the silica-scales of Mallomonas kalinae (Mallomonadales, Synurophyceae) in relation to their position on the cell body. Nova Hedwigia, 2010, 136, 33-41.	0.2	6
60	Geometric morphometrics of symmetry and allometry in Micrasterias rotata (Zygnemophyceae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 2010, 136, 33-41.	0.2	27
61	Effect of temperature on the variability of silicate structures in Mallomonas kalinae and Synura curtispina (Synurophyceae). Nova Hedwigia, 2010, 136, 55-69.	0.2	13
62	Spatial Distribution of Algal Assemblages in a Temperate Lowland Peat Bog. International Review of Hydrobiology, 2009, 94, 40-56.	0.9	14
63	Distribution of epipellic diatoms in artificial fishponds along environmental and spatial gradients. Hydrobiologia, 2009, 624, 81-90.	2.0	10
64	Diversity and morphological disparity of desmid assemblages in Central European peatlands. Hydrobiologia, 2009, 630, 243-256.	2.0	27
65	<i>Kalinella bambusicola</i> gen. et sp. nov. (Trebouxiophyceae, Chlorophyta), a novel coccoid <i>Chlorella</i> -like subaerial alga from Southeast Asia. Phycological Research, 2009, 57, 159-169.	1.6	51
66	Geometric morphometrics - a sensitive method to distinguish diatom morphospecies: a case study on the sympatric populations of Reimeria sinuata and Gomphonema tergestinum (Bacillariophyceae) from the River Becva, Czech Republic. Nova Hedwigia, 2009, 88, 81-95.	0.4	19
67	Pseudomarvania, gen. nov. (Chlorophyta, Trebouxiophyceae), a new genus for "budding" subaerial green algae Marvania aerophytica NEUSTUPA et ÅEJNOHOVÅ and Stichococcus ampulliformis HANDA.. Fottea, 2009, 9, 169-177.	0.9	18
68	Morphometric study of Navicula morphospecies (Bacillariophyta) with respect to diatom life cycle.. Fottea, 2009, 9, 307-316.	0.9	19
69	Elliptochloris bilobata var. corticola var. nov. (Trebouxiophyceae, Chlorophyta), a novel subaerial coccal green alga. Biologia (Poland), 2008, 63, 791-798.	1.5	21
70	Diversity of subaerial algae and cyanobacteria on tree bark in tropical mountain habitats. Biologia (Poland), 2008, 63, 806-812.	1.5	52
71	Temperature-related phenotypic plasticity in the green microalga Micrasterias rotata. Aquatic Microbial Ecology, 2008, 51, 77-86.	1.8	33
72	Quantitative assessment of morphological variation of six Pseudococcomyxa strains by geometric morphometric descriptors.. Fottea, 2008, 8, 111-116.	0.9	3

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73	Epipellic cyanobacteria and algae: a case study from Czech ponds.. <i>Fottea</i> , 2008, 8, 133-146.	0.9	24
74	A taxonomic study of two <i>Stichococcus</i> species (Trebouxiophyceae, Chlorophyta) with a starch-enveloped pyrenoid. <i>Nova Hedwigia</i> , 2007, 84, 51-63.	0.4	28
75	A geometric morphometric study of the variation in scales of <i>Mallomonas striata</i> (Synurophyceae,) <i>Tj ETQq1 1 0.784314 rgBT /Overlo</i>	1.4	17
76	Distribution of the Genus <i>Mallomonas</i> (Synurophyceae) â€“ Ubiquitous Dispersal in Microorganisms Evaluated. <i>Protist</i> , 2007, 158, 29-37.	1.5	36
77	The genus <i>Mallomonas</i> (Mallomonadales, Synurophyceae) in several Southeast Asian urban water bodies the biogeographic implications. <i>Nova Hedwigia</i> , 2007, 84, 249-259.	0.4	16
78	Confocal microscopy of chloroplast morphology and ontogeny in three strains of <i>Dictyochloropsis</i> (Trebouxiophyceae, Chlorophyta). <i>Phycologia</i> , 2005, 44, 261-269.	1.4	12
79	Two new aerophytic species of the genus <i>Podohedra</i> Duringer (Chlorophyceae). <i>Algological Studies</i> , 2004, 112, 1-16.	0.1	4
80	Silica-scaled chrysophytes in acid peat bogs of Bohemian Switzerland (Czech Republic) and Saxonian Switzerland (Germany). <i>Nova Hedwigia</i> , 2004, 78, 507-515.	0.4	11
81	The genus <i>Phycopeltis</i> (Trentepohliales, Chlorophyta) from tropical Southeast Asia. <i>Nova Hedwigia</i> , 2003, 76, 487-505.	0.4	17
82	Silica-scaled chrysophytes of the Åumava National Park and the TfeboÅ±sko UNESCO Biosphere Reserve (Southern Bohemia, Czech Republic). <i>Nordic Journal of Botany</i> , 2002, 22, 375-383.	0.5	13
83	Silica-scaled chrysophytes of the KrkonoÅ±je Mountains (Czech Republic). <i>Algological Studies</i> , 2001, 101, 97-108.	0.1	5
84	Silica-scaled Chrysophytes of Southern Bohemia and ÅeskomoravskÅ± vrchovina (Czech-Moravian) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	0.1	4
85	Silica-scaled chrysophytes of the Czech Republic 1. District ÅeskÅ± LÅpa (Northern Bohemia) and part of the Central Bohemia. <i>Algological Studies</i> , 2000, 96, 29-47.	0.1	4