

Pavel Skaloud

List of Publications by Year in descending order

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98
papers

2,759
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172386

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46
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102
all docs

102
docs citations

102
times ranked

1955
citing authors

#	ARTICLE	IF	CITATIONS
1	Lichens from the littoral zone host diverse ulvophycean photobionts. <i>Journal of Phycology</i> , 2022, , .	1.0	3
2	The guilds in green algal lichensâ€”an insight into the life of terrestrial symbiotic communities. <i>FEMS Microbiology Ecology</i> , 2022, 98, .	1.3	11
3	When you Like Other Algae: <i>Adglutina synurophila</i> gen. et sp. nov. (Moewusinia, Chlorophyceae), a Clingy Green Microalga Associated with <i>Synura</i> Colonies. <i>Protist</i> , 2022, 173, 125858.	0.6	3
4	An Exception to the Rule? Could Photobiont Identity Be a Better Predictor of Lichen Phenotype than Mycobiont Identity?. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 275.	1.5	7
5	Hidden generic diversity in desmids: description of <i>Pseudomicrasterias</i> gen. nov. (Desmidiaceae, Tj ETQq1 1,0,784314 rgBT /Ove	0.6	2
6	Alternating nuclear DNA content in chrysophytes provides evidence of their isomorphic haploid-diploid life cycle. <i>Algal Research</i> , 2022, 64, 102707.	2.4	1
7	<i>Laetitia sardoa</i> gen. & sp. nov., a new member of the Chlorellales (Trebouxiophyceae, Tj ETQq1 1,0,784314 rgBT /Ove	0.6	3
8	<i>Rindifilum ramosum</i> gen. nov., sp. nov., a New Freshwater Genus within the Ulvales (Ulvophyceae, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.3	1
9	Morphological evolution of silica scales in the freshwater genus <i>Synura</i> (Stramenopiles). <i>Journal of Phycology</i> , 2021, 57, 355-369.	1.0	7
10	New lineages of photobionts in Bolivian lichens expand our knowledge on habitat preferences and distribution of <i>Asterochloris</i> algae. <i>Scientific Reports</i> , 2021, 11, 8701.	1.6	15
11	Biological scaling in green algae: the role of cell size and geometry. <i>Scientific Reports</i> , 2021, 11, 14425.	1.6	4
12	Promiscuity in Lichens Follows Clear Rules: Partner Switching in <i>Cladonia</i> Is Regulated by Climatic Factors and Soil Chemistry. <i>Frontiers in Microbiology</i> , 2021, 12, 781585.	1.5	14
13	Choosing the Right Life Partner: Ecological Drivers of Lichen Symbiosis. <i>Frontiers in Microbiology</i> , 2021, 12, 769304.	1.5	14
14	Biodiversity Patterns and Ecological Preferences of the Photobionts Associated With the Lichen-Forming Genus <i>Parmelia</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 765310.	1.5	6
15	Neoproterozoic origin and multiple transitions to macroscopic growth in green seaweeds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 2551-2559.	3.3	85
16	Symbiosis between river and dry lands: Phycobiont dynamics on river gravel bars. <i>Algal Research</i> , 2020, 51, 102062.	2.4	10
17	Substantial intraspecific genome size variation in golden-brown algae and its phenotypic consequences. <i>Annals of Botany</i> , 2020, 126, 1077-1087.	1.4	14
18	Lessons from culturing lichen soredia. <i>Symbiosis</i> , 2020, 82, 109-122.	1.2	7

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19	Comparing Morphological and Molecular Estimates of Species Diversity in the Freshwater Genus <i>Synura</i> (Stramenopiles): A Model for Understanding Diversity of Eukaryotic Microorganisms. <i>Journal of Phycology</i> , 2020, 56, 574-591.	1.0	26
20	Comparative plastid genomics of Synurophyceae: inverted repeat dynamics and gene content variation. <i>BMC Evolutionary Biology</i> , 2019, 19, 20.	3.2	27
21	The first survey of Cystobasidiomycete yeasts in the lichen genus <i>Cladonia</i> ; with the description of <i>Lichenozyma pisutiana</i> gen. nov., sp. nov.. <i>Fungal Biology</i> , 2019, 123, 625-637.	1.1	28
22	Molecular phylogeny and evolution of phenotype in silica-scaled chrysophyte genus <i>Mallomonas</i> . <i>Journal of Phycology</i> , 2019, 55, 912-923.	1.0	12
23	Elucidating the evolution and diversity of Uroglena-like colonial flagellates (Chrysophyceae): polyphyletic origin of the morphotype. <i>European Journal of Phycology</i> , 2019, 54, 404-416.	0.9	10
24	Reproductive and dispersal strategies shape the diversity of mycobiont-photobiont association in <i>Cladonia</i> lichens. <i>Molecular Phylogenetics and Evolution</i> , 2019, 134, 226-237.	1.2	33
25	scDNA cloning demonstrates high genetic heterogeneity in populations of the subaerial green alga <i>Trentepohlia</i> (Trentepohliales, Chlorophyta). <i>Journal of Phycology</i> , 2019, 55, 224-235.	1.0	6
26	Speciation in protists: Spatial and ecological divergence processes cause rapid species diversification in a freshwater chrysophyte. <i>Molecular Ecology</i> , 2019, 28, 1084-1095.	2.0	14
27	First record of the rare freshwater alga <i>Tetrasporopsis fuscescens</i> (Chrysomerophyceae, Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.4	5
28	Ecological and biogeographical drivers of freshwater green algae biodiversity: from local communities to large-scale species pools of desmids. <i>Oecologia</i> , 2018, 186, 1017-1030.	0.9	15
29	Exploring Cryptic Diversity and Distribution Patterns in the <i>Mallomonas kalinae/rasilis</i> Species Complex with a Description of a New Taxon <i>Mallomonas furtiva</i> sp. nov.. <i>Journal of Eukaryotic Microbiology</i> , 2018, 65, 38-47.	0.8	19
30	Untangling the hidden intrathalline microalgal diversity in <i>Parmotrema pseudotinctorum</i> : <i>Trebouxia crespiana</i> sp. nov.. <i>Lichenologist</i> , 2018, 50, 357-369.	0.5	19
31	The complexity of symbiotic interactions influences the ecological amplitude of the host: A case study in <i>Stereocaulon</i> (lichenized Ascomycota). <i>Molecular Ecology</i> , 2018, 27, 3016-3033.	2.0	59
32	Freshwater Flora of Central Europe, Vol 13: Chlorophyta: Ulvophyceae (SÄ14Äÿwasserflora von) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22		27
33	<i>Myrmecia israeliensis</i> as the primary symbiotic microalga in squamulose lichens growing in European and Canary Island terricolous communities. <i>Fottea</i> , 2018, 18, 72-85.	0.4	24
34	Chrysophyta. , 2017, , 331-366.		40
35	Problems of epitypification in morphologically simple green microalgae: a case study of two widespread species of <i>Klebsormidium</i> (Klebsormidiophyceae, Streptophyta). <i>Fottea</i> , 2017, 17, 78-88.	0.4	6
36	DNA-Based Taxonomy in Ecologically Versatile Microalgae: A Re-Evaluation of the Species Concept within the Coccoid Green Algal Genus <i>Coccomyxa</i> (Trebouxiophyceae, Chlorophyta). <i>PLoS ONE</i> , 2016, 11, e0151137.	1.1	61

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37	Taxonomic revision and species delimitation of coccoid green algae currently assigned to the genus <i>Dictyochloropsis</i> (Trebouxiophyceae, Chlorophyta). <i>Journal of Phycology</i> , 2016, 52, 599-617.	1.0	58
38	Multigene phylogeny of <i>Synura</i> (Synurophyceae) and descriptions of four new species based on morphological and DNA evidence. <i>European Journal of Phycology</i> , 2016, 51, 413-430.	0.9	36
39	Influence of substrate and pH on the diversity of the aeroterrestrial alga <i>Klebsormidium</i> (Klebsormidiales, Streptophyta): a potentially important factor for sympatric speciation. <i>Phycologia</i> , 2016, 55, 347-358.	0.6	20
40	Diversity and dispersal capacities of a terrestrial algal genus <i>Klebsormidium</i> (Streptophyta) in polar regions. <i>FEMS Microbiology Ecology</i> , 2016, 92, fnw039.	1.3	39
41	Chrysophyta. , 2016, , 1-38.		17
42	Elucidating the Phylogeny and Taxonomic Position of the genus <i>Chrysodidymus</i> Prowse (Chrysophyceae, Synurales). <i>Cryptogamie, Algologie</i> , 2016, 37, 297-307.	0.3	11
43	Molecular and morphological diversity in photobionts associated with <i>Micarea</i> s. str. (Lecanorales.) Tj ETQq1 1 0.784314 rgBT /Overlock	0.5	18
44	<i>Vulcanochloris</i> (Trebouxiiales, Trebouxiophyceae), a new genus of lichen photobiont from La Palma, Canary Islands, Spain. <i>Phytotaxa</i> , 2015, 219, 118.	0.1	29
45	Assembling the challenging puzzle of algal biodiversity: species delimitation within the genus <i>Astrochloris</i> (Trebouxiophyceae, Chlorophyta). <i>Journal of Phycology</i> , 2015, 51, 507-527.	1.0	54
46	Adaptation strategies of endolithic chlorophototrophs to survive the hyperarid and extreme solar radiation environment of the Atacama Desert. <i>Frontiers in Microbiology</i> , 2015, 6, 934.	1.5	108
47	Molecular phylogeny and ultrastructure of the lichen microalga <i>Astrochloris mediterranea</i> sp. nov. from Mediterranean and Canary Islands ecosystems. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1838-1854.	0.8	46
48	Global ubiquity and local endemism of free-living terrestrial protists: phylogeographic assessment of the streptophyte alga <i>Klebsormidium</i> . <i>Environmental Microbiology</i> , 2015, 17, 689-698.	1.8	57
49	DNA Content Variation and Its Significance in the Evolution of the Genus <i>Micrasterias</i> (Desmidiiales.) Tj ETQq1 1 0.784314 rgBT /Overlock	1.1	13
50	Molecular evidence for the polyphyletic origin of low pH adaptation in the genus <i>Klebsormidium</i> (Klebsormidiophyceae, Streptophyta). <i>Plant Ecology and Evolution</i> , 2014, 147, 333-345.	0.3	25
51	Molecular diversity of green corticolous microalgae from two sub-Mediterranean European localities. <i>European Journal of Phycology</i> , 2014, 49, 345-355.	0.9	21
52	Exploration of Nuclear DNA Markers for Population Structure Assessment in the Desmid <i>Micrasterias rotata</i> (Zygnematophyceae, Streptophyta). <i>Journal of Eukaryotic Microbiology</i> , 2014, 61, 509-519.	0.8	1
53	Comparison of Pb, Zn, Cd, As, Cr, Mo and Sb Adsorption onto Natural Surface Coatings in a Stream Draining Natural As Geochemical Anomaly. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014, 93, 311-315.	1.3	7
54	Morphological delineation and distribution patterns of four newly described species within the <i>Synura petersenii</i> species complex (Chrysophyceae, Stramenopiles). <i>European Journal of Phycology</i> , 2014, 49, 213-229.	0.9	45

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55	New phylogenetic hypotheses for the core Chlorophyta based on chloroplast sequence data. <i>Frontiers in Ecology and Evolution</i> , 2014, 2, .	1.1	23
56	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.	0.3	4
57	Photobiont Diversity in Indian <i>Cladonia</i> Lichens, with Special Emphasis on the Geographical Patterns. , 2014, , 53-71.		15
58	<i>Planktochlorella nurekis</i> gen. et sp. nov. (Trebouxiophyceae, Chlorophyta), a novel coccoid green alga carrying significant biotechnological potential.. <i>Fottea</i> , 2014, 14, 53-62.	0.4	25
59	Ecological Differentiation of Cryptic Species within an Asexual Protist Morphospecies: A Case Study of Filamentous Green Alga <i>Klebsormidium</i> (Streptophyta). <i>Journal of Eukaryotic Microbiology</i> , 2013, 60, 350-362.	0.8	78
60	<i>Chloropyrula uraliensis</i> gen. et sp. nov. (Trebouxiophyceae, Chlorophyta), a new green coccoid alga with a unique ultrastructure, isolated from soil in South Urals. <i>Journal of Systematics and Evolution</i> , 2013, 51, 476-484.	1.6	14
61	Developments in the taxonomy of silica-scaled chrysophytes “ from morphological and ultrastructural to molecular approaches. <i>Nordic Journal of Botany</i> , 2013, 31, 385-402.	0.2	61
62	<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.	0.6	31
63	The symbiotic playground of lichen thalli - a highly flexible photobiont association in rock-inhabiting lichens. <i>FEMS Microbiology Ecology</i> , 2013, 85, 313-323.	1.3	87
64	A curious occurrence of <i>Hazenia broadyi</i> spec. nova in Antarctica and the review of the genus <i>Hazenia</i> (Ulotrichales, Chlorophyceae). <i>Polar Biology</i> , 2013, 36, 1281-1291.	0.5	18
65	Morphology and Phylogenetic Position of the Freshwater Green Microalgae <i>Chlorochytrium</i> (Chlorophyceae) and <i>Scotinosphaera</i> (Scotinosphaerales, ord. nov., Ulvophyceae). <i>Journal of Phycology</i> , 2013, 49, 115-129.	1.0	25
66	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.	1.0	9
67	<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.	0.8	41
68	Genetic diversity and species delimitation of the zeorin-containing red-fruited <i>Cladonia</i> species (lichenized Ascomycota) assessed with ITS rDNA and β -tubulin data. <i>Lichenologist</i> , 2013, 45, 665-684.	0.5	28
69	A new species of <i>Chrysosphaerella</i> (Chrysophyceae: Chromulinales), <i>Chrysosphaerella rotundata</i> sp. nov., from Finland. <i>Phytotaxa</i> , 2013, 130, 34.	0.1	19
70	A case of taxonomic inflation in coccoid algae: <i>Ellipsoidium parvum</i> and <i>Neocystis vischeri</i> are conspecific with <i>Neocystis</i> (= <i>Nephrodiella</i>) <i>brevis</i> (Chlorophyta). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 137 Td (Tr</i>	1.0	10
71	Toward a revision of the genus <i>Synura</i> , section <i>Petersenianae</i> (Synurophyceae). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 303-329.</i>	0.6	51
72	Molecular phylogeny of baculiform desmid taxa (Zygnematophyceae). <i>Plant Systematics and Evolution</i> , 2012, 298, 1281-1292.	0.3	8

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73	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.	1.2	20
74	Species concept and morphological differentiation of strains traditionally assigned to <i>Micrasterias truncata</i> . <i>Phycological Research</i> , 2011, 59, 208-220.	0.8	12
75	Do photobionts influence the ecology of lichens? A case study of environmental preferences in symbiotic green alga <i>Asterochloris</i> (Trebouxiophyceae). <i>Molecular Ecology</i> , 2011, 20, 3936-3948.	2.0	156
76	JENUFA GEN. NOV.: A NEW GENUS OF COCCOID GREEN ALGAE (CHLOROPHYCEAE, INCERTAE SEDIS) PREVIOUSLY RECORDED BY ENVIRONMENTAL SEQUENCING1. <i>Journal of Phycology</i> , 2011, 47, 928-938.	1.0	41
77	<i>Xylochloris irregularis</i> gen. et sp. nov. (Trebouxiophyceae, Chlorophyta), a novel subaerial coccoid green alga. <i>Phycologia</i> , 2011, 50, 57-66.	0.6	57
78	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.	1.0	20
79	The CAUP image database.. <i>Fottea</i> , 2011, 11, 313-316.	0.4	3
80	Pseudocryptic Diversity versus Cosmopolitanism in Diatoms: a Case Study on <i>Navicula cryptocephala</i> Kütz. (Bacillariophyceae) and Morphologically Similar Taxa. <i>Protist</i> , 2010, 161, 353-369.	0.6	84
81	Evolutionary inferences based on ITS rDNA and actin sequences reveal extensive diversity of the common lichen alga <i>Asterochloris</i> (Trebouxiophyceae, Chlorophyta). <i>Molecular Phylogenetics and Evolution</i> , 2010, 54, 36-46.	1.2	112
82	THE MOLECULAR PHYLOGENETIC AND GEOMETRIC MORPHOMETRIC EVALUATION OF MICRASTERIAS CRUX-MELITENSIS/M. RADIANS SPECIES COMPLEX1. <i>Journal of Phycology</i> , 2010, 46, 703-714.	1.0	20
83	<i>Hylodesmus singaporensis</i> gen. et sp. nov., a new autosporic subaerial green alga (Scenedesmaceae.) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i> 2010, 60, 1224-1235.	0.8	43
84	Diversity of subaerial algae and cyanobacteria growing on bark and wood in the lowland tropical forests of Singapore. <i>Plant Ecology and Evolution</i> , 2010, 143, 51-62.	0.3	44
85	Photobiont diversity in lichens from metal-rich substrata based on ITS rDNA sequences. <i>Ecotoxicology and Environmental Safety</i> , 2010, 73, 603-612.	2.9	58
86	Unveiling hidden diversity in the <i>Synura petersenii</i> species complex (Synurophyceae.) <i>Tj ETQq0 0 0 rgBT /Overlock</i> 10 Tf 50 222 Td (Hete 0.2 24	0.2	24
87	Phylogenetic position of <i>Ooplanctella planoconvexa</i> gen. et comb. nova and <i>Echinocoleum elegans</i> (Oocystaceae, Trebouxiophyceae, Chlorophyta).. <i>Fottea</i> , 2010, 10, 75-82.	0.4	26
88	Distribution of epipellic diatoms in artificial fishponds along environmental and spatial gradients. <i>Hydrobiologia</i> , 2009, 624, 81-90.	1.0	10
89	<i>Kalinella bambusicola</i> gen. et sp. nov. (Trebouxiophyceae, Chlorophyta), a novel coccoid <i>Chlorella</i> -like subaerial alga from Southeast Asia. <i>Phycological Research</i> , 2009, 57, 159-169.	0.8	51
90	Species composition and diversity of aero-terrestrial algae and cyanobacteria of the BoreÄ•Hill ventaroles.. <i>Fottea</i> , 2009, 9, 65-80.	0.4	26

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91	Elliptochloris bilobata var. corticola var. nov. (Trebouxiophyceae, Chlorophyta), a novel subaerial coccal green alga. <i>Biologia (Poland)</i> , 2008, 63, 791-798.	0.8	21
92	Diversity of subaerial algae and cyanobacteria on tree bark in tropical mountain habitats. <i>Biologia (Poland)</i> , 2008, 63, 806-812.	0.8	52
93	Comparative study of chloroplast morphology and ontogeny in <i>Asterochloris</i> (Trebouxiophyceae, Chlorophyta). <i>Journal of Phycology</i> , 2008, 44, 1-17.	0.8	19
94	The silica-scaled chrysophytes of the Czech-Moravian Highlands.. <i>Fottea</i> , 2007, 7, 43-48.	0.4	7
95	Variation and taxonomic significance of some morphological features in European strains of <i>Klebsormidium</i> (Klebsormidiophyceae, Streptophyta). <i>Nova Hedwigia</i> , 2006, 83, 533-550.	0.2	29
96	Spatial distribution of phytoplankton in Spring 2004 along a transect in the eastern part of the North Sea. <i>Journal of Oceanography</i> , 2006, 62, 717-729.	0.7	12
97	Confocal microscopy of chloroplast morphology and ontogeny in three strains of <i>Dictyochloropsis</i> (Trebouxiophyceae, Chlorophyta). <i>Phycologia</i> , 2005, 44, 261-269.	0.6	12
98	Species delimitation within the colonial flagellates <i>Uroglena</i> , <i>Uroglenopsis</i> and <i>Urostipulosphaera</i> (Chrysophyceae). <i>European Journal of Phycology</i> , 0, , 1-17.	0.9	6