

Pavel Skaloud

List of Publications by Year in descending order

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98
papers

2,759
citations

172386

29
h-index

223716

46
g-index

102
all docs

102
docs citations

102
times ranked

1955
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	Pseudocryptic Diversity versus Cosmopolitanism in Diatoms: a Case Study on <i>Navicula cryptocephala</i> K÷tz. (Bacillariophyceae) and Morphologically Similar Taxa. <i>Protist</i> , 2010, 161, 353-369.	0.6	84
7	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
8	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
9	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
10	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
11	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
12	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
13	<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
14	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
15	Assembling the challenging puzzle of algal biodiversity: species delimitation within the genus <i>Asterochloris</i> (Trebouxiophyceae, Chlorophyta). <i>Journal of Phycology</i> , 2015, 51, 507-527.	1.0	54
16	Diversity of subaerial algae and cyanobacteria on tree bark in tropical mountain habitats. <i>Biologia (Poland)</i> , 2008, 63, 806-812.	0.8	52
17	<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
18	Toward a revision of the genus <i>Synura</i> , section Petersenianae (Synurophyceae, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (Hete 303-329.	0.6	51

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19	Molecular phylogeny and ultrastructure of the lichen microalga <i>Asterochloris 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
20	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
21	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
22	<i>Hylodesmus singaporensis</i> gen. et sp. nov., a new asexual subaerial green alga (Scenedesmaceae). <i>Journal of Phycology</i> , 2010, 60, 1224-1235.	0.8	43
23	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.	1.0	41
24	<i>Leptochlorella corticola</i> gen. et sp. nov. and <i>Kalinella apyrenoidosa</i> sp. nov.: two novel Chlorococcoid-like green microalgae (Trebouxiophyceae, Chlorophyta) from subaerial habitats. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 377-387.	0.8	41
25	Chrysophyta. , 2017, , 331-366.		40
26	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
27	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
28	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
29	<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
30	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
31	<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
32	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
33	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
34	Comparative plastid genomics of Synurophyceae: inverted repeat dynamics and gene content variation. <i>BMC Evolutionary Biology</i> , 2019, 19, 20.	3.2	27
35	Freshwater Flora of Central Europe, Vol 13: Chlorophyta: Ulvophyceae (Süßwasserflora von) <i>Journal of Phycology</i> , 2019, 55, 784-814.	0.784314	27
36	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

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37	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
38	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
39	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
40	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
41	<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
42	Unveiling hidden diversity in the <i>Synura petersenii</i> species complex (Synurophyceae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (Hete 0.2 24	0.2	24
43	<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
44	New phylogenetic hypotheses for the core Chlorophyta based on chloroplast sequence data. <i>Frontiers in Ecology and Evolution</i> , 2014, 2, .	1.1	23
45	<i>Elliptochloris bilobata</i> var. <i>corticola</i> var. nov. (Trebouxiophyceae, Chlorophyta), a novel subaerial coccal green alga. <i>Biologia (Poland)</i> , 2008, 63, 791-798.	0.8	21
46	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
47	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
48	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
49	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> (Desmidiiales, Steptophyta). <i>Hydrobiologia</i> , 2011, 667, 223-239.	1.0	20
50	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
51	Comparative study of chloroplast morphology and ontogeny in <i>Asterochloris</i> (Trebouxiophyceae,) Tj ETQq1 1 0.784314 rgBT /Overlock 0.8 19	0.8	19
52	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
53	Exploring Cryptic Diversity and Distribution Patterns in the <i>Mallomonas kalinae/rasilis</i> Species Complex with a Description of a New Taxonâ€” <i>Mallomonas furtiva</i> sp. nov.. <i>Journal of Eukaryotic Microbiology</i> , 2018, 65, 38-47.	0.8	19
54	Untangling the hidden intrathalline microalgal diversity in <i>Parmotrema pseudotinctorum</i> : <i>Trebouxia crespohana</i> sp. nov.. <i>Lichenologist</i> , 2018, 50, 357-369.	0.5	19

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55	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
56	Molecular and morphological diversity in photobionts associated with <i>Micarea</i> s. str. (Lecanorales, Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.5	18
57	<i>Chrysophyta</i> . , 2016, , 1-38.		17
58	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
59	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
60	Photobiont Diversity in Indian <i>Cladonia</i> Lichens, with Special Emphasis on the Geographical Patterns. , 2014, , 53-71.		15
61	<i>Chloropyrula uraliensis</i> gen. et sp. nov. (<scp>T</scp>rebouxiophyceae, 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
62	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
63	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
64	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
65	Choosing the Right Life Partner: Ecological Drivers of Lichen Symbiosis. <i>Frontiers in Microbiology</i> , 2021, 12, 769304.	1.5	14
66	DNA Content Variation and Its Significance in the Evolution of the Genus <i>Micrasterias</i> (Desmidiaceae, Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.1	13
67	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
68	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
69	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
70	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
71	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
72	The guilds in green algal lichens – an insight into the life of terrestrial symbiotic communities. <i>FEMS Microbiology Ecology</i> , 2022, 98, .	1.3	11

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73	Distribution of epipelagic diatoms in artificial fishponds along environmental and spatial gradients. <i>Hydrobiologia</i> , 2009, 624, 81-90.	1.0	10
74	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
75	Symbiosis between river and dry lands: Phycobiont dynamics on river gravel bars. <i>Algal Research</i> , 2020, 51, 102062.	2.4	10
76	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
77	A case of taxonomic inflation in coccooid algae: <i>Ellipsoidion parvum</i> and <i>Neocystis vischeri</i> are conspecific with <i>Neocystis</i> (= <i>Nephrodiella</i>) <i>brevis</i> (Chlorophyta). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 57</i>	1.0	9
78	Molecular phylogeny of baculiform desmid taxa (Zygnematophyceae). <i>Plant Systematics and Evolution</i> , 2012, 298, 1281-1292.	0.3	8
79	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
80	Lessons from culturing lichen soredia. <i>Symbiosis</i> , 2020, 82, 109-122.	1.2	7
81	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
82	The silica-scaled chrysophytes of the Czech-Moravian Highlands.. <i>Fottea</i> , 2007, 7, 43-48.	0.4	7
83	An Exception to the Rule? Could Photobiont Identity Be a Better Predictor of Lichen Phenotype than Mycobiont Identity?. <i>Journal of Fungi</i> (Basel, Switzerland), 2022, 8, 275.	1.5	7
84	<sc>DNA</sc> 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
85	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
86	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
87	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
88	First record of the rare freshwater alga <i>Tetrasporopsis fuscescens</i> (Chrysomerophyceae). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (</i>	0.4	6
89	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
90	Biological scaling in green algae: the role of cell size and geometry. <i>Scientific Reports</i> , 2021, 11, 14425.	1.6	4

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91	The CAUP image database.. Fottea, 2011, 11, 313-316.	0.4	3
92	Lichens from the littoral zone host diverse ulvophycean photobionts. Journal of Phycology, 2022, , .	1.0	3
93	When you Like Other Algae: Adglutina synurophila gen. et sp. nov. (Moewusinia, Chlorophyceae), a Clingy Green Microalga Associated with Synura Colonies. Protist, 2022, 173, 125858.	0.6	3
94	<i>Laetitia sardoa gen</i>. & <i>sp. nov</i>., a new member of the Chlorellales (Trebouxiophyceae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.6	3
95	Hidden generic diversity in desmids: description of <i>Pseudomicrasterias gen. nov</i>. (Desmidiaceae,) Tj ETQq1 1,0,784314 rgBT /Overlock 10 Tf 50	0.6	2
96	Exploration of Nuclear <sc>DNA</sc> Markers for Population Structure Assessment in the Desmid <i>Micrasterias rotata</i> (Zygnematophyceae, Streptophyta). Journal of Eukaryotic Microbiology, 2014, 61, 509-519.	0.8	1
97	Alternating nuclear DNA content in chrysophytes provides evidence of their isomorphic haploid-diploid life cycle. Algal Research, 2022, 64, 102707.	2.4	1
98	Rindifilum ramosum gen. nov., sp. nov., a New Freshwater Genus within the Ulvales (Ulvophyceae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.3	1