Sergio PÃ©rez-Ortega

List of Publications by Year
in descending order

91 papers	3,146 citations	159585 30 h-index	182427 51 g-index
95 all docs	95 docs citations	95 times ranked	2239 citing authors

#	Article	IF	Citations
1	One hundred new species of lichenized fungi: a signature of undiscovered global diversity. Phytotaxa, 2011, 18, 1.	0.3	213
2	Notes for genera: Ascomycota. Fungal Diversity, 2017, 86, 1-594.	12.3	213
3	Phylogenetic generic classification of parmelioid lichens (Parmeliaceae, Ascomycota) based on molecular, morphological and chemical evidence. Taxon, 2010, 59, 1735-1753.	0.7	178
4	Revisiting photobiont diversity in the lichen family Verrucariaceae (Ascomycota). European Journal of Phycology, 2011, 46, 399-415.	2.0	148
5	Cryptic species and species pairs in lichens: A discussion on the relationship between molecular phylogenies and morphological characters. Anales Del Jardin Botanico De Madrid, 2009, 66, 71-81.	0.4	122
6	Evolution of complex symbiotic relationships in a morphologically derived family of lichenâ€forming fungi. New Phytologist, 2015, 208, 1217-1226.	7.3	105
7	Photobiont selectivity leads to ecological tolerance and evolutionary divergence in a polymorphic complex of lichenized fungi. Annals of Botany, 2014, 114, 463-475.	2.9	94
8	Characterization of Chasmoendolithic Community in Miers Valley, McMurdo Dry Valleys, Antarctica. Microbial Ecology, 2014, 68, 351-359.	2.8	77
9	Lichens and lichenicolous fungi of the Klondike Gold Rush National Historic Park, Alaska, in a global biodiversity context. Bryologist, 2010, 113, 439-515.	0.6	74
10	Microbial succession dynamics along glacier forefield chronosequences in Tierra del Fuego (Chile). Polar Biology, 2017, 40, 1939-1957.	1.2	73
11	Bryophyte-Cyanobacteria Associations during Primary Succession in Recently Deglaciated Areas of Tierra del Fuego (Chile). PLoS ONE, 2014, 9, e96081.	2.5	72
12	Towards a revised generic classification of lecanoroid lichens (Lecanoraceae, Ascomycota) based on molecular, morphological and chemical evidence. Fungal Diversity, 2016, 78, 293-304.	12.3	72
13	Refined families of Dothideomycetes: orders and families incertae sedis in Dothideomycetes. Fungal Diversity, 2020, 105, 17-318.	12.3	70
14	Lichen myco- and photobiont diversity and their relationships at the edge of life (McMurdo Dry) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	2.7	66
15	Differential Colonization and Succession of Microbial Communities in Rock and Soil Substrates on a Maritime Antarctic Glacier Forefield. Frontiers in Microbiology, 2020, 11, 126.	3.5	65
16	Global assessment of genetic variation and phenotypic plasticity in the lichen-forming species Tephromela atra. Fungal Diversity, 2014, 64, 233-251.	12.3	57
17	From Alaska to Antarctica: Species boundaries and genetic diversity of Prasiola (Trebouxiophyceae), a foliose chlorophyte associated with the bipolar lichen-forming fungus Mastodia tessellata. Molecular Phylogenetics and Evolution, 2017, 107, 117-131.	2.7	57
18	Differential effects of biocide treatments on saxicolous communities: Case study of the Segovia cathedral cloister (Spain). International Biodeterioration and Biodegradation, 2012, 67, 64-72.	3.9	54

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19	DNA barcode identification of lichen-forming fungal species in the Rhizoplaca melanophthalma species-complex (Lecanorales, Lecanoraceae), including five new species. MycoKeys, 0, 7, 1-22.	1.9	51
20	Lichens and associated fungi from Glacier Bay National Park, Alaska. Lichenologist, 2020, 52, 61-181.	0.8	49
21	Symbiotic lifestyle and phylogenetic relationships of the bionts ofMastodia tessellata(Ascomycota,incertae sedis). American Journal of Botany, 2010, 97, 738-752.	1.7	47
22	Local representation of global diversity in a cosmopolitan lichenâ€forming fungal species complex (Rhizoplaca, Ascomycota). Journal of Biogeography, 2013, 40, 1792-1806.	3.0	47
23	Hidden diversity of marine borderline lichens and a new order of fungi: Collemopsidiales (Dothideomyceta). Fungal Diversity, 2016, 80, 285-300.	12.3	46
24	Cryptic diversity and symbiont interactions in rock-posy lichens. Molecular Phylogenetics and Evolution, 2016, 99, 261-274.	2.7	45
25	Considerations and consequences of allowing DNA sequence data as types of fungal taxa. IMA Fungus, 2018, 9, 167-175.	3.8	45
26	Extreme phenotypic variation in Cetraria aculeata (lichenized Ascomycota): adaptation or incidental modification?. Annals of Botany, 2012, 109, 1133-1148.	2.9	40
27	A molecular phylogeny of the Lecanora varia group, including a new species from western North America. Mycological Progress, 2010, 9, 523-535.	1.4	39
28	Austroparmelina, a new Australasian lineage in parmelioid lichens (Parmeliaceae, Ascomycota). Systematics and Biodiversity, 2010, 8, 209-221.	1.2	38
29	Ecological Specialization of Two Photobiont-Specific Maritime Cyanolichen Species of the Genus Lichina. PLoS ONE, 2015, 10, e0132718.	2.5	36
30	Nd-YAG laser irradiation damages to Verrucaria nigrescens. International Biodeterioration and Biodegradation, 2013, 84, 281-290.	3.9	33
31	Lichen colonization and associated deterioration processes in Pasargadae, UNESCO world heritage site, Iran. International Biodeterioration and Biodegradation, 2017, 117, 171-182.	3.9	31
32	Infrared and ultraviolet laser removal of crustose lichens on dolomite heritage stone. Applied Surface Science, 2015, 346, 248-255.	6.1	27
33	Influence of wavelength on the laser removal of lichens colonizing heritage stone. Applied Surface Science, 2017, 399, 758-768.	6.1	27
34	CharcotianaandAmundsenia, two new genera inTeloschistaceae(lichenized) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 andAustroplaca frigida, a new name for a continental Antarctic species. Lichenologist, 2014, 46, 763-782.	0.8	26
35	A molecular reappraisal of Abrothallus species growing on lichens of the order Peltigerales. Phytotaxa, 2015, 195, 201.	0.3	26
36	Comparative ecophysiology of three Placopsis species, pioneer lichens in recently exposed Chilean glacial forelands. Symbiosis, 2012, 56, 55-66.	2.3	25

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37	Past, present, and future research in bipolar lichenâ€forming fungi and their photobionts. American Journal of Botany, 2017, 104, 1660-1674.	1.7	25
38	No need for stepping stones: Direct, joint dispersal of the lichenâ€forming fungus Mastodia tessellata (Ascomycota) and its photobiont explains their bipolar distribution. Journal of Biogeography, 2018, 45, 213-224.	3.0	25
39	Tremella macrobasidiata (Basidiomycota, Tremellales), a new lichenicolous fungus from the Iberian Peninsula. Lichenologist, 2011, 43, 407-415.	0.8	24
40	Lichenicolous fungi of the genus Abrothallus (Dothideomycetes: Abrothallales ordo nov.) are sister to the predominantly aquatic Janhulales. Fungal Diversity, 2014, 64, 295-304.	12.3	23
41	Understanding lichenicolous heterobasidiomycetes: new taxa and reproductive innovations in Tremella s.l.. Mycologia, 2016, 108, 381-396.	1.9	23
42	Anatomical, morphological and ecophysiological strategies in Placopsis pycnotheca (lichenized fungi,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Distribution, Functional Ecology of Plants, 2011, 206, 857-864.	1.2	22
43	New Records, Range Extensions and Nomenclatural Innovations for Lichens and Lichenicolous Fungi from Alaska, U.S.A.. Herzogia, 2012, 25, 177-210.	0.4	22
44	Heveochlorella (Trebouxiophyceae): a littleâ€known genus of unicellular green algae outside the Trebouxiales emerges unexpectedly as a major clade of lichen photobionts in foliicolous communities. Journal of Phycology, 2016, 52, 840-853.	2.3	22
45	Diversity of Endosymbiotic Nostoc in Gunnera magellanica (L) from Tierra del Fuego, Chile. Microbial Ecology, 2013, 66, 335-350.	2.8	20
46	Biogeography and ecology of Cetraria aculeata, a widely distributed lichen with a bipolar distribution. MycoKeys, 0, 6, 33-53.	1.9	20
47	Effect of biological colonization on ceramic roofing tiles by lichens and a combined laser and biocide procedure for its removal. International Biodeterioration and Biodegradation, 2018, 126, 86-94.	3.9	19
48	Towards a more realistic picture of in situ biocide actions: Combining physiological and microscopy techniques. Science of the Total Environment, 2012, 439, 114-122.	8.0	17
49	The connection betweenAbrothallusand its anamorph stateVouauxiomycesestablished by Denaturing Gradient Gel Electrophoresis (DGGE). Lichenologist, 2011, 43, 277-279.	0.8	15
50	A new endemic Ramalina species from the Canary Islands (Ascomycota, Lecanorales). Phytotaxa, 2014, 159, 269.	0.3	15
51	Differential responses to salt concentrations of lichen photobiont strains isolated from lichens occurring in different littoral zones. Plant and Fungal Systematics, 2019, 64, 149-162.	0.5	15
52	Two new conidial lichenicolous fungi from Spain indicate the distinction ofLichenodiplisandMinutoexcipula. Lichenologist, 2009, 41, 223-229.	0.8	14
53	Phylogenetic position of the brown algae-associated lichenized fungus Verrucaria tavaresiae (Verrucariaceae). Bryologist, 2011, 114, 563.	0.6	14
54	Lichenicolous Lichens and Fungi from MonfragÃ¼e National Park (Western Spain). Herzogia, 2016, 29, 315-328.	0.4	14

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55	Challenging the lichen concept:Turgidosculum ulvae(Verrucariaceae) represents an independent photobiont shift to a multicellular blade-like alga. Lichenologist, 2018, 50, 341-356.	0.8	14
56	Symbiosis at its limits: ecophysiological consequences of lichenization in the genus Prasiola in Antarctica. Annals of Botany, 2019, 124, 1211-1226.	2.9	13
57	Functional ecology of soil microbial communities along a glacier forefield in Tierra del Fuego (Chile). International Microbiology, 2016, 19, 161-173.	2.4	13
58	Labrocarpon gen. nov. for Melaspilea canariensis, with the description of Buelliella protoparmeliopsis sp. nov. from South America. Lichenologist, 2010, 42, 271-276.	0.8	12
59	The genus Endocena (Icmadophilaceae): DNA evidence suggests the same fungus forms different morphologies. Lichenologist, 2017, 49, 347-363.	0.8	12
60	A second species of Botryolepraria from the Neotropics and the phylogenetic placement of the genus within Ascomycota. Mycological Progress, 2010, 9, 345-351.	1.4	11
61	Shackletonia cryodesertorum (Teloschistaceae, Ascomycota), a new species from the McMurdo Dry Valleys (Antarctica) with notes on the biogeography of the genus Shackletonia. Mycological Progress, 2016, 15, 743-754.	1.4	11
62	A new genus,Zhurbenkoa, and a novel nutritional mode revealed in the family Malmideaceae (Lecanoromycetes, Ascomycota). Mycologia, 2019, 111, 593-611.	1.9	11
63	Molecular systematics of the wood-inhabiting, lichen-forming genus (Baeomycetales,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 4	1.0	11
64	Heteroacanthella ellipsospora sp. nov., the first lichenicolous basidiomycete with acanthoid basidia. Lichenologist, 2014, 46, 17-23.	0.8	10
65	Type studies in theRhizocarpon geographicumgroup (Rhizocarpaceae, lichenized) Tj ETQq1 1 0.784314 rgBT /Overlock	0.8	10
66	F_v/F_m acclimation to the Mediterranean summer drought in two sympatric Lasallia species from the Iberian mountains. Lichenologist, 2017, 49, 157-165.	0.8	10
67	The generic name Abrothallus (Abrothallales, Dothideomycetes), and names proposed in the genus by Giuseppe De Notaris, SÃ¸ren Christian Sommerfelt, and Ignaz Kotte. Taxon, 2018, 67, 1169-1179.	0.7	10
68	Neogene speciation and Pleistocene expansion of the genus Pseudephebe (Parmeliaceae, lichenized) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 155, 107020.	2.7	10
69	Lecanora sorediomarginata, a new epiphytic lichen species discovered along the Portuguese coast. Lichenologist, 2011, 43, 99-111.	0.8	9
70	Austrostigmidium, a new austral genus of lichenicolous fungi close to rock-inhabiting meristematic fungi in Teratosphaeriaceae. Lichenologist, 2015, 47, 143-156.	0.8	9
71	Amphitropical variation of the algal partners of Pseudephebe (Parmeliaceae, lichenized fungi). Symbiosis, 2020, 82, 35-48.	2.3	9
72	The Role of Photobionts as Drivers of Diversification in an Island Radiation of Lichen-Forming Fungi. Frontiers in Microbiology, 2021, 12, 784182.	3.5	9

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73	Zwackhiomyces cervinae, a new lichenicolous fungus (Xanthopyreniaceae) on Acarospora, with a key to the known species of the genus. Lichenologist, 2007, 39, 129-134.	0.8	8
74	Three new species of Lichenopeltella (Microthyriaceae, Ascomycota) from northwest North America. Nova Hedwigia, 2009, 89, 219-228.	0.4	8
75	<I>Lichenostigma epirupestre</I> a new lichenicolous species on <I>Pertusaria</I> from Spain. Mycotaxon, 2009, 107, 189-195.	0.3	8
76	Unravelling the diversity of European Caliciopsis (Coryneliaceae, Ascomycota): Caliciopsis valentina sp. nov. and C. beckhausii comb. nov., with a worldwide key to Caliciopsis. Mycological Progress, 2015, 14, 1.	1.4	8
77	Muellerella, a lichenicolous fungal genus recovered as polyphyletic within Chaetothyriomycetidae (Eurotiomycetes, Ascomycota). Plant and Fungal Systematics, 2019, 64, 367-381.	0.5	8
78	A new species of Lecanora s. lat., growing on Lasallia pustulata. Lichenologist, 2008, 40, 111-118.	0.8	7
79	A new species of Stigmidium sensu stricto on Thelenella muscorum. Lichenologist, 2010, 42, 397-403.	0.8	6
80	A new species of Llimoniella (Ascomycota, Helotiales) on Ramboldia cinnabarina from Alaska. Lichenologist, 2011, 43, 363-366.	0.8	6
81	Abrothallus halei (Ascomycota, incertae sedis), a new lichenicolous fungus on Lobaria species in Europe and North America. Lichenologist, 2011, 43, 51-55.	0.8	6
82	Hongos liquenÃcolas de EcuadorEtayo, J. 2017. Hongos LiquenÃcolas de Ecuador. Opera Lilloana 50: 1â€“535. Available as free electronic publication (PDF) from http://lillo.org.ar/revis/opera-lilloana/2017-opl-v50.pdf. Bryologist, 2017, 120, 551-552.	0.6	5
83	The genus Epigloea Zukal in the Iberian Peninsula. Nova Hedwigia, 2006, 83, 523-531.	0.4	5
84	Xanthoparmelia pseudohungarica in Spain. Lichenologist, 2007, 39, 297-300.	0.8	4
85	Four new species of Ocellularia (lichenized Ascomycota: Graphidaceae) from Cuba, with a revised taxonomy of the O. bahiana complex and a key to thelotremoid taxa with small, brown, (sub-)muriform ascospores. Lichenologist, 2015, 47, 305-322.	0.8	4
86	Lecanora helmutii, a New Species from theLecanora symmictaGroup from Tasmania. Herzogia, 2018, 31, 639-649.	0.4	4
87	A new species of Zwackhiomyces (Xanthopyreniaceae, Ascomycota) growing on Austroparmelina from Australia. Nova Hedwigia, 2011, 93, 395-400.	0.4	3
88	Verrucoccum (Dothideomycetes, Dictyosporiaceae), a new genus of lichenicolous fungi on Lobaria s. lat. for the Dothidea hymeniicola species complex. Mycologia, 2021, 113, 1-20.	1.9	3
89	Bellemerella ritae sp. nov. (Verrucariaceae), a new lichenicolous ascomycete from northwest North America. Nova Hedwigia, 2007, 85, 515-520.	0.4	2
90	(2652) Proposal to conserve the name Lecidea parmeliarum (Abrothallus parmeliarum) against Endocarpon parasiticus (Ascomycota: Dothideomycetes: Abrothallales). Taxon, 2018, 67, 1212-1212.	0.7	1

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91	The identity of Calicium corynellum (Ach.) Ach.. Lichenologist, 2020, 52, 333-335.	0.8	1