Francisco RodrÃ-guez HernÃ¡ndez

List of Publications by Year
in descending order

80 papers	3,917 citations	172457 29 h-index	128289 60 g-index
82 all docs	82 docs citations	82 times ranked	3419 citing authors

#	Article	IF	Citations
1	Separation of chlorophylls and carotenoids from marine phytoplankton:a new HPLC method using a reversed phase C8 column and pyridine-containing mobile phases. Marine Ecology - Progress Series, 2000, 195, 29-45.	1.9	897
2	Dinophysis Toxins: Causative Organisms, Distribution and Fate in Shellfish. Marine Drugs, 2014, 12, 394-461.	4.6	293
3	Photosynthetic pigments in 37 species (65 strains) of Haptophyta: implications for oceanography and chemotaxonomy. Marine Ecology - Progress Series, 2004, 270, 83-102.	1.9	225
4	Ecotype diversity in the marine picoeukaryote Ostreococcus (Chlorophyta, Prasinophyceae). Environmental Microbiology, 2005, 7, 853-859.	3.8	185
5	Gambierdiscus excentricus sp. nov. (Dinophyceae), a benthic toxic dinoflagellate from the Canary Islands (NE Atlantic Ocean). Harmful Algae, 2011, 11, 10-22.	4.8	156
6	Phytoplankton assemblages in the Gerlache and Bransfield Straits (Antarctic Peninsula) determined by light microscopy and CHEMTAX analysis of HPLC pigment data. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 723-747.	1.4	119
7	Pigment-based chloroplast types in dinoflagellates. Marine Ecology - Progress Series, 2012, 465, 33-52.	1.9	106
8	Genus Gambierdiscus in the Canary Islands (NE Atlantic Ocean) with Description of Gambierdiscus silvae sp. nov., a New Potentially Toxic Epiphytic Benthic Dinoflagellate. Protist, 2014, 165, 839-853.	1.5	102
9	Photoacclimation in phytoplankton: implications for biomass estimates, pigment functionality and chemotaxonomy. Marine Biology, 2006, 148, 963-971.	1.5	91
10	Contrasting photoacclimation costs in ecotypes of the marine eukaryotic picoplankter Ostreococcus. Limnology and Oceanography, 2008, 53, 255-265.	3.1	83
11	New Insights into the Nature and Phylogeny of Prasinophyte Antenna Proteins: Ostreococcus tauri, a Case Study. Molecular Biology and Evolution, 2005, 22, 2217-2230.	8.9	69
12	Differences in the toxin profiles of Alexandrium ostenfeldii (Dinophyceae) strains isolated from different geographic origins: Evidence of paralytic toxin, spirolide, and gymnodimine. Toxicon, 2015, 103, 85-98.	1.6	66
13	Losses of chlorophylls and carotenoids in aqueous acetone and methanol extracts prepared for RPHPLC analysis of pigments. Chromatographia, 2001, 53, 385-391.	1.3	60
14	â€œCanary Islands (NE Atlantic) as a biodiversity â€˜hotspotâ€™ of Gambierdiscus: Implications for future trends of ciguatera in the areaâ€• Harmful Algae, 2017, 67, 131-143.	4.8	58
15	Temporal variation in phytoplankton assemblages and pigment composition at a fixed station of the RÄ±a of Pontevedra (NW Spain). Estuarine, Coastal and Shelf Science, 2003, 58, 499-515.	2.1	55
16	Characterization of Phaeocystis globosa (Prymnesiophyceae), the blooming species in the Southern North Sea. Journal of Sea Research, 2013, 76, 105-113.	1.6	55
17	Review of the Main Ecological Features Affecting Benthic Dinoflagellate Blooms. Cryptogamie, Algologie, 2012, 33, 171-179.	0.9	54
18	Gambierdiscus balechii sp. nov (Dinophyceae), a new benthic toxic dinoflagellate from the Celebes Sea (SW Pacific Ocean). Harmful Algae, 2016, 58, 93-105.	4.8	53

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19	Phytoplankton and pigment distributions in an anticyclonic slope water oceanic eddy (SWODDY) in the southern Bay of Biscay. Marine Biology, 2003, 143, 995-1011.	1.5	49
20	Chlorophyll c2 monogalactosyldiacylglyceride ester (chl c2-MGDG). A novel marker pigment for Chrysochromulina species (Haptophyta). Marine Ecology - Progress Series, 2001, 219, 85-98.	1.9	47
21	Life cycle stages of the benthic palytoxin-producing dinoflagellate Ostreopsis cf. ovata (Dinophyceae). Harmful Algae, 2012, 18, 24-34.	4.8	43
22	The GenusOstreopsisalong the Algerian Coastal Waters (SW Mediterranean Sea) Associated with a Human Respiratory Intoxication Episode. Cryptogamie, Algologie, 2012, 33, 209-216.	0.9	41
23	Chloropicophyceae, a new class of picophytoplanktonic prasinophytes. Scientific Reports, 2017, 7, 14019.	3.3	40
24	Morphology and phylogeny of Prorocentrum caipirignum sp. nov. (Dinophyceae), a new tropical toxic benthic dinoflagellate. Harmful Algae, 2017, 70, 73-89.	4.8	40
25	Morphological variability, toxinology and genetics of the dinoflagellate Dinophysis tripos (Dinophysiaceae, Dinophysiales). Harmful Algae, 2012, 13, 26-33.	4.8	39
26	Phylogenetic and morphological characterisation of the green algae infesting blue musselMytilus edulisin the North and South Atlantic oceans. Diseases of Aquatic Organisms, 2008, 81, 231-240.	1.0	39
27	Temporal variability of viruses, bacteria, phytoplankton and zooplankton in the western English Channel off Plymouth. Journal of the Marine Biological Association of the United Kingdom, 2000, 80, 575-586.	0.8	36
28	Size-fractionated phytoplankton pigment groups in the NW Iberian upwelling system: impact of the Iberian Poleward Current. Marine Ecology - Progress Series, 2006, 323, 59-73.	1.9	36
29	OCCURRENCE OF LOROXANTHIN, LOROXANTHIN DECENOATE, AND LOROXANTHIN DODECENOATE IN TETRASELMIS SPECIES (PRASINOPHYCEAE, CHLOROPHYTA)¹. Journal of Phycology, 2009, 45, 366-374.	2.3	32
30	Size-fractionated phytoplankton diversity in the NW Iberian coast: a combination of microscopic, pigment and molecular analyses. Aquatic Microbial Ecology, 2007, 49, 255-265.	1.8	32
31	The spatial distribution of plankton communities in a Slope Water anticyclonic Oceanic eDDY (SWODDY) in the southern Bay of Biscay. Journal of the Marine Biological Association of the United Kingdom, 2004, 84, 501-517.	0.8	29
32	Pigment composition in three Dinophysis species (Dinophyceae) and the associated cultures of Mesodinium rubrum and Teleaulax amphioxeia. Journal of Plankton Research, 2013, 35, 433-437.	1.8	28
33	Ribosomal DNA Organization Patterns within the Dinoflagellate Genus Alexandrium as Revealed by FISH: Life Cycle and Evolutionary Implications. Protist, 2014, 165, 343-363.	1.5	28
34	Distribution, occurrence and biotoxin composition of the main shellfish toxin producing microalgae within European waters: A comparison of methods of analysis. Harmful Algae, 2016, 55, 112-120.	4.8	28
35	A novel species of the marine cyanobacterium Acaryochloris with a unique pigment content and lifestyle. Scientific Reports, 2018, 8, 9142.	3.3	28
36	CHLOROPHYLL C PIGMENT PATTERNS IN 18 SPECIES (51 STRAINS) OF THE GENUS PSEUDOâ€NITZSCHIA (BACILLARIOPHYCEAE)¹. Journal of Phycology, 2011, 47, 1274-1280.	2.3	26

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37	Management ofOstreopsisBlooms in Recreational waters along the Catalan Coast (NW) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Algologie, 2012, 33, 143-152.	0.9	25
38	First Report of Paralytic Shellfish Toxins in Marine Invertebrates and Fish in Spain. Toxins, 2020, 12, 723.	3.4	24
39	Life-cycle, ultrastructure, and phylogeny of Parvilucifera corolla sp. nov. (Alveolata, Perkinsozoa), a parasitoid of dinoflagellates. European Journal of Protistology, 2017, 58, 9-25.	1.5	22
40	Hostâ€“parasite relationship of the geoduck Panopea abbreviata and the green alga Coccomyxa parasitica in the Argentinean Patagonian coast. Journal of Invertebrate Pathology, 2010, 105, 254-260.	3.2	21
41	Molecular probes and microarrays for the detection of toxic algae in the genera Dinophysis and Phalacroma (Dinophyta). Environmental Science and Pollution Research, 2013, 20, 6733-6750.	5.3	21
42	Pigment variations in Emiliania huxleyi (CCMP370) as a response to changes in light intensity or quality. Environmental Microbiology, 2016, 18, 4412-4425.	3.8	21
43	Ciguatera-Causing Dinoflagellate Gambierdiscus spp. (Dinophyceae) in a Subtropical Region of North Atlantic Ocean (Canary Islands): Morphological Characterization and Biogeography. Toxins, 2019, 11, 423.	3.4	21
44	Rapid separation of chlorophylls a and b and their demetallated and dephytylated derivatives using a monolithic silica C18 column and a pyridine-containing mobile phase. Journal of Chromatography A, 2003, 994, 85-92.	3.7	19
45	Are the mitochondrial cox1 and cob genes suitable markers for species of Dinophysis Ehrenberg?. Harmful Algae, 2013, 28, 64-70.	4.8	19
46	Photosynthetic pigments of oceanic Chlorophyta belonging to prasinophytes clade VII. Journal of Phycology, 2016, 52, 148-155.	2.3	19
47	The toxic benthic dinoflagellate Prorocentrum maculosum Faust is a synonym of Prorocentrum hoffmannianum Faust. Harmful Algae, 2018, 78, 1-8.	4.8	19
48	First report of the toxin profile of Dinophysis sacculus Stein from LCâ€“MS analysis of laboratory cultures. Toxicon, 2013, 76, 221-224.	1.6	18
49	Genetic and toxinological characterization of North Atlantic strains of the dinoflagellate Ostreopsis and allelopathic interactions with toxic and non-toxic species from the genera Prorocentrum, Coolia and Gambierdiscus. Harmful Algae, 2016, 60, 57-69.	4.8	18
50	Comparative ecophysiology of Dinophysis acuminata and D.Âacuta (DINOPHYCEAE,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 photosynthesis. Journal of Phycology, 2018, 54, 899-917.	2.3	16
51	Uptake of Inorganic and Organic Nitrogen Sources by Dinophysis acuminata and D. acuta. Microorganisms, 2020, 8, 187.	3.6	16
52	Divinyl chlorophyll a in the marine eukaryotic protist <scp>A</scp>lexandrium ostenfeldii (<scp>D</scp>inophyceae). Environmental Microbiology, 2016, 18, 627-643.	3.8	15
53	Toxin production, growth kinetics and molecular characterization of Ostreopsis cf. ovata isolated from Todos os Santos Bay, tropical southwestern Atlantic. Toxicon, 2017, 138, 18-30.	1.6	15
54	Origin of cryptophyte plastids in Dinophysis from Galician waters: results from field and culture experiments. Aquatic Microbial Ecology, 2015, 76, 163-174.	1.8	15

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55	Notes on the Cultivation of Two Mixotrophic Dinophysis Species and Their Ciliate Prey Mesodinium rubrum. Toxins, 2018, 10, 505.	3.4	14
56	Metabolomic Profiles of Dinophysis acuminata and Dinophysis acuta Using Non-Targeted High-Resolution Mass Spectrometry: Effect of Nutritional Status and Prey. Marine Drugs, 2018, 16, 143.	4.6	13
57	High performance liquid chromatographic separation of chlorophyllc forms from marine phytoplankton on octylsilica bonded phases. Chromatographia, 1998, 48, 677-680.	1.3	11
58	Coolia guanchica sp. nov. (Dinophyceae) a new epibenthic dinoflagellate from the Canary Islands (NE Atlantic Ocean). European Journal of Phycology, 2020, 55, 76-88.	2.0	11
59	Epibenthic Harmful Marine Dinoflagellates from Fuerteventura (Canary Islands), with Special Reference to the Ciguatoxin-Producing Gambierdiscus. Journal of Marine Science and Engineering, 2020, 8, 909.	2.6	11
60	Paralytic and Amnesic Shellfish Toxins Impacts on Seabirds, Analyses and Management. Toxins, 2021, 13, 454.	3.4	11
61	New HPLC separation techniques. , 0, , 165-194.		10
62	Chlorophyll c_{CS-170} Isolated from Ostreococcus sp. Is [7-Methoxycarbonyl-8-vinyl]protochlorophyllide a. Organic Letters, 2013, 15, 4430-4433.	4.6	10
63	Confirmation of the wide host range of Parvilucifera corolla (Alveolata, Perkinsozoa). European Journal of Protistology, 2020, 74, 125690.	1.5	10
64	Ceratocorys mariaovidiorum sp. nov. (Gonyaulacales), a new dinoflagellate species previously reported as Protoceratium reticulatum. Journal of Phycology, 2018, 54, 126-137.	2.3	9
65	Effects of small-scale turbulence on two species of Dinophysis. Harmful Algae, 2019, 89, 101654.	4.8	9
66	Morphology, molecular phylogeny and toxinology of Coolia and Prorocentrum strains isolated from the tropical South Western Atlantic Ocean. Botanica Marina, 2019, 62, 125-140.	1.2	9
67	Dinophysis Ehrenberg (Dinophyceae) in Southern Chile harbours red cryptophyte plastids from Rhodomonas/Storeatula clade. Harmful Algae, 2020, 99, 101907.	4.8	9
68	Novel Methodologies for Providing In Situ Data to HAB Early Warning Systems in the European Atlantic Area: The PRIMROSE Experience. Frontiers in Marine Science, 2022, 9, .	2.5	9
69	Single-cell PCR amplification of thecate dinoflagellates: a case study of Tripos (Dinophyceae). Journal of Applied Phycology, 2018, 30, 1117-1124.	2.8	8
70	Feeding of Fragilidium cf. duplocampanaeforme and F. subglobosum on four Dinophysis species: prey specificity, local adaptation and fate of toxins. Aquatic Microbial Ecology, 2014, 72, 241-253.	1.8	8
71	Benthic flattened cells of the phylogenetically related marine dinoflagellates Protoceratium reticulatum and Ceratocorys mariaovidiorum (Gonyaulacales): a new type of cyst?. Journal of Phycology, 2018, 54, 138-149.	2.3	7
72	Notes onOstreopsissp. from Southern-Central Coast of Cuba. Cryptogamie, Algologie, 2012, 33, 217-224.	0.9	6

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73	19,19â€²-Diacyloxy Signature: An Atypical Level of Structural Evolution in Carotenoid Pigments. Organic Letters, 2016, 18, 4642-4645.	4.6	6
74	Morphological and molecular study of the cyanobiontâ€bearing dinoflagellate Sinophysis canaliculata from the Canary Islands (eastern central Atlantic). Journal of Phycology, 2017, 53, 446-450.	2.3	5
75	Morphological and molecular characterization of Heterocapsa claromecoensis sp. nov. (Peridiniales, Dinophyceae) from Buenos Aires coastal waters (Argentina). European Journal of Phycology, 2020, 55, 490-506.	2.0	5
76	Morphology, genetics and toxin profile of Prorocentrum texanum (Dinophyceae) from Argentinian marine coastal waters. Phycologia, 2020, 59, 634-650.	1.4	5
77	Morphological and molecular characterization of Gambierdiscus caribaeus (Dinophyceae), with a confirmation of its occurrence in the Colombian Caribbean Tayrona National Natural Park. Botanica Marina, 2021, 64, 149-159.	1.2	4
78	Scrippsiella acuminata versus Scrippsiella ramonii: A Physiological Comparison. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2019, 95, 985-996.	1.5	3
79	Latitudinal Variation in the Toxicity and Sexual Compatibility of Alexandrium catenella Strains from Southern Chile. Toxins, 2021, 13, 900.	3.4	2
80	Microbial Community Composition during a Bloom of Purple Bacteria in Intertidal Sediments in Vigo (Northwest Spain). Microbiology Spectrum, 2021, 9, e0123821.	3.0	0