

# Rodolfo Barreiro

## List of Publications by Year in descending order

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89  
papers

1,598  
citations

279487

23  
h-index

395343

33  
g-index

93  
all docs

93  
docs citations

93  
times ranked

1658  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Multilocus Species Delimitation Reveals a Striking Number of Species of Coralline Algae Forming Maerl in the OSPAR Maritime Area. PLoS ONE, 2014, 9, e104073.	1.1	83
2	Monographs of invasive plants in Europe: <i>Carpobrotus</i> . Botany Letters, 2018, 165, 440-475.	0.7	78
3	Imposex, organotin bioaccumulation and sterility of female <i>Nassarius reticulatus</i> in polluted areas of NW Spain. Marine Ecology - Progress Series, 2001, 218, 203-212.	0.9	68
4	An integrative systematic approach to species diversity and distribution in the genus <i>Mesophyllum</i> (Corallinales, Rhodophyta) in Atlantic and Mediterranean Europe. European Journal of Phycology, 2015, 50, 20-36.	0.9	51
5	Decadal changes in the distribution of common intertidal seaweeds in Galicia (NW Iberia). Marine Environmental Research, 2016, 113, 106-115.	1.1	48
6	Division of Labor Brings Greater Benefits to Clones of <i>Carpobrotus edulis</i> in the Non-native Range: Evidence for Rapid Adaptive Evolution. Frontiers in Plant Science, 2016, 7, 349.	1.7	45
7	<i>Phymatolithon lusitanicum</i> sp. nov. (Hapalidiales, Rhodophyta): The Third Most Abundant Maerl-Forming Species in the Atlantic Iberian Peninsula. Cryptogamie, Algologie, 2015, 36, 429-459.	0.3	44
8	Decreased TBT pollution and changing bioaccumulation pattern in gastropods imply butyltin desorption from sediments. Chemosphere, 2008, 73, 1253-1257.	4.2	42
9	Detection of Gametophytes in the Maerl-Forming Species <i>Phymatolithon calcareum</i> (Melobesioideae, Corallinales) Assessed by DNA Barcoding. Cryptogamie, Algologie, 2014, 35, 15-25.	0.3	41
10	DNA barcoding allows the accurate assessment of European maerl diversity: A Proof-of-Concept study. Phytotaxa, 2014, 190, 176.	0.1	40
11	Ubiquitous imposex and organotin bioaccumulation in gastropods <i>Nucella lapillus</i> from Galicia (NW) Tj ETQq1 1 0.784314 rgBT / Overbo	0.9	38
12	Heavy-metal accumulation by <i>Fucus ceranoides</i> in a small estuary in north-west Spain. Marine Environmental Research, 1993, 36, 39-61.	1.1	35
13	The use of <i>Nucella lapillus</i> (L.) transplanted in cages to monitor tributyltin (TBT) pollution. Science of the Total Environment, 2000, 247, 227-237.	3.9	34
14	Biomonitoring heavy metals in estuaries: a field comparison of two brown algae species inhabiting upper estuarine reaches. Environmental Monitoring and Assessment, 2002, 75, 121-134.	1.3	32
15	Seaweed assemblages under a climate change scenario: Functional responses to temperature of eight intertidal seaweeds match recent abundance shifts. Scientific Reports, 2018, 8, 12978.	1.6	32
16	Biomonitoring organotin pollution with gastropods and mussels. Marine Ecology - Progress Series, 2005, 287, 169-176.	0.9	32
17	Population Structure of a Widespread Species under Balancing Selection: The Case of <i>Arbutus unedo</i> L.. Frontiers in Plant Science, 2015, 6, 1264.	1.7	30
18	Recent history of the European <i>Nassarius nitidus</i> (Gastropoda): phylogeographic evidence of glacial refugia and colonization pathways. Marine Biology, 2012, 159, 1871-1884.	0.7	29

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19	Is the cryptic alien seaweed <i>Ulva pertusa</i> (Ulvales, Chlorophyta) widely distributed along European Atlantic coasts?. <i>Botanica Marina</i> , 2007, 50, 267-274.	0.6	26
20	Evidence for multiple introductions of the Pacific green alga <i>Ulva australis</i> Areschoug (Ulvales, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 T	0.6	26
21	A Molecular and Morphological Study of <i>Corallina</i> <i>Sensu lato</i> (Corallinales, Rhodophyta) in the Atlantic Iberian Peninsula. <i>Cryptogamie, Algologie</i> , 2015, 36, 31-54.	0.3	26
22	AFLPs and Mitochondrial Haplotypes Reveal Local Adaptation to Extreme Thermal Environments in a Freshwater Gastropod. <i>PLoS ONE</i> , 2014, 9, e101821.	1.1	25
23	The application of microwave heating in sequential extractions of heavy metals in estuarine sediments. <i>Science of the Total Environment</i> , 1994, 152, 135-142.	3.9	24
24	Genetic Isolation by Distance among Populations of the Netted Dog Whelk <i>Nassarius reticulatus</i> (L.) along the European Atlantic Coastline. <i>Journal of Heredity</i> , 2007, 98, 603-610.	1.0	24
25	Aphally and imposex in <i>Nucella lapillus</i> from Galicia (NW Spain):incidence, geographical distribution and consequences for the biomonitoring of TBT contamination. <i>Marine Ecology - Progress Series</i> , 1999, 185, 229-238.	0.9	24
26	Heavy metal mixing behaviour in estuarine sediments in the Ria de Arousa (NW Spain). Differences between metals. <i>Science of the Total Environment</i> , 1993, 128, 51-67.	3.9	23
27	Imposex and gender-independent butyltin accumulation in the gastropod <i>Nassarius reticulatus</i> from the Cantabrian coast (N Atlantic Spain). <i>Chemosphere</i> , 2009, 76, 424-427.	4.2	22
28	Mining microsatellite markers from public expressed sequence tags databases for the study of threatened plants. <i>BMC Genomics</i> , 2015, 16, 781.	1.2	20
29	Decade-long monitoring reveals a transient distortion of baseline butyltin bioaccumulation pattern in gastropods. <i>Marine Pollution Bulletin</i> , 2010, 60, 931-934.	2.3	18
30	A new taxonomic interpretation of the type of <i>Plocamium cartilagineum</i> (Plocamiales, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 T	0.9	18
31	Influence of Trophic Status on the Toxic Effects of a Herbicide: A Microcosm Study. <i>Archives of Environmental Contamination and Toxicology</i> , 1998, 35, 404-411.	2.1	17
32	Development and multiplexing of the first microsatellite markers in a coralline red alga ( <i>Phymatolithon calcareum</i> , Rhodophyta). <i>Phycologia</i> , 2014, 53, 474-479.	0.6	17
33	Setting the basis for a long-term monitoring network of intertidal seaweed assemblages in northwest Spain. <i>Marine Environmental Research</i> , 2020, 160, 105039.	1.1	17
34	Patterns of genetic variation within and among populations in <i>Arbutus unedo</i> and its relation with selection and evolvability. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2015, 17, 185-192.	1.1	16
35	Is the ballan wrasse ( <i>Labrus bergylta</i> ) two species? Genetic analysis reveals within-species divergence associated with plain and spotted morphotype frequencies. <i>Integrative Zoology</i> , 2016, 11, 162-172.	1.3	16
36	Phylogeography of a widespread species: pre-glacial vicariance, refugia, occasional blocking straits and long-distance migrations. <i>AoB PLANTS</i> , 2016, 8, .	1.2	16

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37	Insights into species diversity of associated crustose coralline algae (&em&gt;Corallinophycidae,) Tj ETQq1 1 0.784314 rgBT /Overlock Botanico De Madrid, 2017, 74, 059.	0.2	16
38	A combined whelk watch suggests repeated TBT desorption pulses. Science of the Total Environment, 2015, 502, 167-171.	3.9	15
39	Bi-species imposex monitoring in Galicia (NW Spain) shows contrasting achievement of the OSPAR Ecological Quality Objective for TBT. Marine Pollution Bulletin, 2017, 114, 715-723.	2.3	15
40	Recreational snorkeling activities to enhance seascape enjoyment and environmental education in the Islas Atlánticas de Galicia National Park (Spain). Journal of Environmental Management, 2020, 272, 111065.	3.8	15
41	Leveraging the blue economy to transform marine forest restoration. Journal of Phycology, 2022, 58, 198-207.	1.0	15
42	Heavy-metal horizontal distribution in surface sediments from a small estuary (Pontedeume, Spain). Science of the Total Environment, 1994, 154, 87-100.	3.9	14
43	Trans-generational effects in the clonal invader Alternanthera philoxeroides. Journal of Plant Ecology, 2020, 13, 122-129.	1.2	14
44	Differences in physiological integration between invasive and noninvasive introduced clonal species of Carpobrotus. Journal of Plant Ecology, 2019, 12, 972-981.	1.2	13
45	Local Coastal Configuration Rather Than Latitudinal Gradient Shape Clonal Diversity and Genetic Structure of Phymatolithon calcareum Maerl Beds in North European Atlantic. Frontiers in Marine Science, 2019, 6, .	1.2	13
46	Biomass partitioning in response to resources availability: A comparison between native and invaded ranges in the clonal invader <i>Carpobrotus edulis</i>. Plant Species Biology, 2019, 34, 11-18.	0.6	13
47	RAPD differentiation of Grateloupia lanceola and the invasive Grateloupia turuturu (Gigartinales,) Tj ETQq1 1 0.784314 rgBT /Overlock 0.6 12	0.6	12
48	Biomonitoring acidic drainage impact in a complex setting using periphyton. Environmental Monitoring and Assessment, 2009, 150, 351-363.	1.3	12
49	EDITORIAL: Plant invasions: Mechanisms, impacts and management. Flora: Morphology, Distribution, Functional Ecology of Plants, 2020, 267, 151603.	0.6	12
50	Heavy metals in sediment cores from a NW Spain estuary. Bulletin of Environmental Contamination and Toxicology, 1994, 53, 368-73.	1.3	11
51	Dumpton Syndrome reduces the tributyltin (TBT) sterilising effect on Nucella lapillus (L.) by limiting the development of the imposed vas deferens. Marine Environmental Research, 2002, 54, 657-660.	1.1	11
52	MULTISCALE GENETIC STRUCTURE OF AN ENDANGERED SEAWEED AHNFELTIOPSIS PUSILLA (RHODOPHYTA): IMPLICATIONS FOR ITS CONSERVATION1. Journal of Phycology, 2011, 47, 259-268.	1.0	11
53	Temperate Kelp Forest Collapse by Fish Herbivory: A Detailed Demographic Study. Frontiers in Marine Science, 2022, 9, .	1.2	11
54	MICROSATELLITE DEVELOPMENT IN RHODOPHYTA USING HIGH-THROUGHPUT SEQUENCE DATA<sup>1</sup>. Journal of Phycology, 2011, 47, 1258-1265.	1.0	10

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55	Molecular data delineate cryptic <i>Nassarius</i> species and characterize spatial genetic structure of <i>N. nitidus</i> . Journal of the Marine Biological Association of the United Kingdom, 2012, 92, 1175-1182.	0.4	10
56	Understanding the local drivers of beta-diversity patterns under climate change: The case of seaweed communities in Galicia, North West of the Iberian Peninsula. Diversity and Distributions, 2021, 27, 1696-1705.	1.9	10
57	Toxic effects of chemicals on microorganisms. Water Environment Research, 1992, 64, 632-641.	1.3	9
58	Discovery of imposex in the gastropod <i>Cyclope neritea</i> now invading Galicia (north-west Spain). Journal of the Marine Biological Association of the United Kingdom, 2006, 86, 1171-1173.	0.4	9
59	Population genetic structure of the prosobranch <i>Nassarius reticulatus</i> (L.) in a ria seascape (NW) Tj ETQq1 1 0.784314 rgBT /Overlock 0.7 9	0.7	9
60	A multi-faceted approach for assessing evolutionary significant conservation units in the endangered <i>Omphalodes littoralis</i> subsp. <i>gallaecica</i> (Boraginaceae). Perspectives in Plant Ecology, Evolution and Systematics, 2015, 17, 54-65.	1.1	9
61	By-catch in no-fed aquaculture: exploiting mussel seed persistently and extensively disturbs the accompanying assemblage. ICES Journal of Marine Science, 2018, 75, 2213-2223.	1.2	9
62	Effects of resource sharing directionality on physiologically integrated clones of the invasive <i>Carpobrotus edulis</i> . Journal of Plant Ecology, 2021, 14, 884-895.	1.2	9
63	Population structure and range expansion: the case of the invasive gastropod <i>Cyclope neritea</i> in northwest Iberian Peninsula. Integrative Zoology, 2012, 7, 286-298.	1.3	8
64	Genetic guidelines for the conservation of the endangered polyploid <i>Centaurea borjæ</i> (Asteraceae). Journal of Plant Research, 2013, 126, 81-93.	1.2	8
65	Effects of physiological integration on defense strategies against herbivory by the clonal plant <i>Alternanthera philoxeroides</i> . Journal of Plant Ecology, 2019, 12, 662-672.	1.2	8
66	A multidisciplinary approach to identify priority areas for the monitoring of a vulnerable family of fishes in Spanish Marine National Parks. BMC Ecology and Evolution, 2021, 21, 4.	0.7	8
67	Introduced status of <i>Cyclope neritea</i> (Gastropoda, Nassariidae) in the NW Iberian Peninsula confirmed by mitochondrial sequence data. Marine Ecology - Progress Series, 2008, 354, 141-146.	0.9	8
68	<i>Pseudopolyides furcellarioides</i> gen. et sp. nov. (Gigartinales, Rhodophyta) an erect member of the Cruoriaceae based on morphological and molecular evidence. Phycologia, 2013, 52, 191-203.	0.6	7
69	Structure and Trophic Niches in Mobile Epifauna Assemblages Associated With Seaweeds and Habitats of Syngnathid Fishes in C�es Archipelago (Atlantic Islands Marine National Park, North West Iberia). Frontiers in Marine Science, 2021, 8, .	1.2	6
70	Epigenetic and Phenotypic Responses to Experimental Climate Change of Native and Invasive <i>Carpobrotus edulis</i> . Frontiers in Plant Science, 0, 13, .	1.7	6
71	Low genetic variation and isolation of northern peripheral populations of a red seaweed ( <i>Grateloupia</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 0.9 5	0.9	5
72	Extended imposex monitoring in N Atlantic Spain confirms punctual attainment of European environmental objectives for TBT. Marine Pollution Bulletin, 2018, 126, 462-466.	2.3	5

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73	Can patch size and patch distance improve the recolonization of mussel seed beds exploited for aquaculture?. Aquatic Conservation: Marine and Freshwater Ecosystems, 2019, 29, 1897-1908.	0.9	5
74	Unexpected nutrient influence on the thermal ecophysiology of seaweeds that recently followed opposite abundance shifts. Marine Environmental Research, 2019, 151, 104747.	1.1	5
75	Paradoxical failure of <i>Laminaria ochroleuca</i> (Laminariales, Phaeophyceae) to consolidate a kelp forest inside a Marine National Park. European Journal of Phycology, 2023, 58, 72-82.	0.9	5
76	Iberian intertidal turf assemblages dominated by <i>ErythroGLOSSUM lusitanicum</i> (Ceramiiales). Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.6	4
77	Feeding preferences of range-shifting and native herbivorous fishes in temperate ecosystems. Marine Environmental Research, 2021, 172, 105508.	1.1	4
78	AFLPs Reveal Different Population Genetic Structure under Contrasting Environments in the Marine Snail <i>Nucella lapillus</i> L.. PLoS ONE, 2012, 7, e49776.	1.1	3
79	Wave exposure as a driver of isolation by environment in the marine gastropod <i>Nucella lapillus</i> . Hydrobiologia, 2019, 839, 51-69.	1.0	3
80	Comparative invasion ecology of <i>Carpobrotus</i> from four continents: responses to nutrients and competition. Journal of Plant Ecology, 2023, 16, .	1.2	3
81	Small but strong: Socioeconomic and ecological resilience of a small European fishing community affected by a submarine volcanic eruption. Ocean and Coastal Management, 2022, 223, 106124.	2.0	3
82	Physiological response to warming in intertidal macroalgae with different thermal affinity. Marine Environmental Research, 2021, 169, 105350.	1.1	2
83	Species identity matters: Functional responses to warming in congeneric turfs differ from those of a canopy algae but are species-specific. Estuarine, Coastal and Shelf Science, 2021, 257, 107396.	0.9	2
84	Tributyltin and imposex: no uncertainty shown. Marine Ecology - Progress Series, 1998, 170, 293-294.	0.9	2
85	Effects of Glyphosate Application on Physiologically Integrated Clones of the Invasive Plant <i>Carpobrotus edulis</i> . Diversity, 2022, 14, 47.	0.7	2
86	Patterns of chloroplast DNA polymorphism in the endangered polyploid <i>Centaurea borjae</i> (Asteraceae): Implications for preserving genetic diversity. Journal of Systematics and Evolution, 2013, 51, 451-460.	1.6	1
87	A decadal study of biometric and imposex indices in two gastropods. Journal of the Marine Biological Association of the United Kingdom, 2019, 99, 1601-1614.	0.4	0
88	Designing trails for subaquatic tourism in Marine Protected Areas. Frontiers in Marine Science, 0, 1, .	1.2	0
89	Effects of sand burial in integrated clonal systems of the invasive <i>Carpobrotus edulis</i> . Botany Letters, 0, , 1-8.	0.7	0