Pierre J Richard

List of Publications by Year
in descending order

104 papers	5,331 citations	66315 42 h-index	95218 68 g-index
111 all docs	111 docs citations	111 times ranked	4818 citing authors

#	Article	IF	Citations
1	Isotopic Determination of Food Sources ofCrassostrea gigasAlong a Trophic Gradient in the Estuarine Bay of Marennes-Ol Ã©ron. Estuarine, Coastal and Shelf Science, 1996, 42, 347-360.	0.9	282
2	Isotopic niches and trophic levels of myctophid fishes and their predators in the Southern Ocean. Limnology and Oceanography, 2010, 55, 324-332.	1.6	194
3	Stable isotopes reveal the trophic position and mesopelagic fish diet of female southern elephant seals breeding on the Kerguelen Islands. Marine Ecology - Progress Series, 2008, 370, 239-247.	0.9	182
4	Chemical and Isotopic Composition of the Organic Matter Sources in the Gulf of Gdansk (Southern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	160
5	Seabird satellite tracking validates the use of latitudinal isoscapes to depict predators' foraging areas in the Southern Ocean. Rapid Communications in Mass Spectrometry, 2010, 24, 3456-3460.	0.7	160
6	Determination of food sources for benthic invertebrates in a salt marsh (Aiguillon Bay, France) by carbon and nitrogen stable isotopes:importance of locally produced sources. Marine Ecology - Progress Series, 1999, 187, 301-307.	0.9	147
7	Resource partitioning within a tropical seabird community: new information from stable isotopes. Marine Ecology - Progress Series, 2008, 366, 281-291.	0.9	138
8	Whisker isotopic signature depicts migration patterns and multi-year intra- and inter-individual foraging strategies in fur seals. Biology Letters, 2009, 5, 830-832.	1.0	135
9	Food sources of an infaunal suspension-feeding bivalve Cerastoderma edule in a muddy sandflat of Marennes-OlÃ©ron Bay, as determined by analyses of carbon and nitrogen stable isotopes. Marine Ecology - Progress Series, 1999, 187, 147-158.	0.9	117
10	Quantifying the short-term temperature effect on light-saturated photosynthesis of intertidal microphytobenthos. Marine Ecology - Progress Series, 1996, 134, 309-313.	0.9	111
11	Temporal variation of delta13C in particulate organic matter and oyster Crassostrea gigas in Marennes-OlÃ©ron Bay (France):effect of freshwater inflow. Marine Ecology - Progress Series, 1997, 147, 105-115.	0.9	101
12	Food source of intertidal nematodes in the Bay of Marennes-OlÃ©ron (France), as determined by dual stable isotope analysis. Marine Ecology - Progress Series, 1996, 142, 303-309.	0.9	100
13	Effect of starvation on RNA, DNA and protein content of laboratory-reared larvae and juveniles of Solea solea. Marine Ecology - Progress Series, 1991, 72, 69-77.	0.9	100
14	Dynamics of spatial patterns of microphytobenthic biomass:inferences from a geostatistical analysis of two comprehensive surveys in Marennes-OlÃ©ron Bay (France). Marine Ecology - Progress Series, 1998, 166, 131-141.	0.9	92
15	Use of stable isotopes to quantify seasonal changes of trophic niche and levels of population and individual specialisation in seabirds. Marine Ecology - Progress Series, 2010, 401, 269-277.	0.9	89
16	The effect of geomorphological structures on potential biostabilisation by microphytobenthos on intertidal mudflats. Continental Shelf Research, 2000, 20, 1243-1256.	0.9	86
17	SEASONAL EFFECT ON THE RELATIONSHIP BETWEEN THE PHOTOSYNTHETIC CAPACITY OF INTERTIDAL MICROPHYTOBENTHOS AND TEMPERATURE1. Journal of Phycology, 1997, 33, 723-728.	1.0	85
18	Trophic importance of diatoms in an intertidal Zostera noltii seagrass bed: Evidence from stable isotope and fatty acid analyses. Estuarine, Coastal and Shelf Science, 2011, 92, 140-153.	0.9	80

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19	Stable isotopes document winter trophic ecology and maternal investment of adult female southern elephant seals (Mirounga leonina) breeding at the Kerguelen Islands. Marine Biology, 2008, 155, 413-420.	0.7	76
20	Long-Term Species, Sexual and Individual Variations in Foraging Strategies of Fur Seals Revealed by Stable Isotopes in Whiskers. PLoS ONE, 2012, 7, e32916.	1.1	74
21	Short- and long-term consistency in the foraging niche of wandering albatrosses. Marine Biology, 2012, 159, 1581-1591.	0.7	74
22	Distribution and sources of organic matter in surface sediments of Bohai Sea near the Yellow River Estuary, China. Estuarine, Coastal and Shelf Science, 2015, 165, 128-136.	0.9	72
23	Ecological niche segregation within a community of sympatric dolphins around a tropical island. Marine Ecology - Progress Series, 2011, 433, 273-288.	0.9	72
24	Stable isotopes document the trophic structure of a deep-sea cephalopod assemblage including giant octopod and giant squid. Biology Letters, 2009, 5, 364-367.	1.0	70
25	Tissue, ontogenic and sex-related differences in Î´13C and Î´15N values of the oceanic squid Todarodes filippovae (Cephalopoda: Ommastrephidae). Marine Biology, 2009, 156, 699-708.	0.7	69
26	Seasonal variation in consumption of benthic bacteria by meioâ€•and macrofauna in an intertidal mudflat. Limnology and Oceanography, 2009, 54, 1048-1059.	1.6	67
27	Using carbon and nitrogen isotopic values of body feathers to infer inter- and intra-individual variations of seabird feeding ecology during moult. Marine Biology, 2009, 156, 1233-1240.	0.7	66
28	Seabird year-round and historical feeding ecology: blood and feather Î´13C and Î´15N values document foraging plasticity of small sympatric petrels. Marine Ecology - Progress Series, 2014, 505, 267-280.	0.9	66
29	Dynamics of particulate organic matter composition in coastal systems: A spatio-temporal study at multi-systems scale. Progress in Oceanography, 2017, 156, 221-239.	1.5	63
30	Methodology of light response curves: application of chlorophyll fluorescence to microphytobenthic biofilms. Marine Biology, 2007, 153, 91-101.	0.7	62
31	Spatio-temporal structure of the epipelic diatom assemblage from an intertidal mudflat in Marennes-OlÃ©ron Bay, France. Estuarine, Coastal and Shelf Science, 2005, 64, 385-394.	0.9	59
32	Microstructure of microphytobenthic biofilm and its spatio-temporal dynamics in an intertidal mudflat (Aiguillon Bay, France). Marine Ecology - Progress Series, 2004, 282, 33-44.	0.9	59
33	Î´15N and Î´13C in the Mondego estuary food web: Seasonal variation in producers and consumers. Marine Environmental Research, 2009, 67, 109-116.	1.1	58
34	Measurement of ingestion rate of Hydrobia ulvae (Pennant) on intertidal epipelic microalgae: the effect of mud snail density. Journal of Experimental Marine Biology and Ecology, 2000, 255, 247-260.	0.7	54
35	Bacterivory in the common foraminifer Ammonia tepida: Isotope tracer experiment and the controlling factors. Journal of Experimental Marine Biology and Ecology, 2008, 359, 55-61.	0.7	54
36	Sequential Isotopic Signature Along Gladius Highlights Contrasted Individual Foraging Strategies of Jumbo Squid (Dosidicus gigas). PLoS ONE, 2011, 6, e22194.	1.1	54

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37	A preliminary study of habitat and resource partitioning among co-occurring tropical dolphins around Mayotte, southwest Indian Ocean. Estuarine, Coastal and Shelf Science, 2009, 84, 367-374.	0.9	50
38	Food sources used by sediment meiofauna in an intertidal Zostera noltii seagrass bed: a seasonal stable isotope study. Marine Biology, 2012, 159, 1537-1550.	0.7	48
39	Eutrophication and trophic structure in response to the presence of the eelgrass Zostera noltii. Marine Biology, 2009, 156, 2107-2120.	0.7	47
40	Trophic ecology of mullets during their spring migration in a European saltmarsh: A stable isotope study. Estuarine, Coastal and Shelf Science, 2011, 91, 502-510.	0.9	46
41	Archaeal Methane Cycling Communities Associated with Gassy Subsurface Sediments of Marennes-OlÃ©ron Bay (France). Geomicrobiology Journal, 2009, 26, 31-43.	1.0	45
42	Utilization of estuarine organic matter during growth and migration by juvenile brown shrimp Penaeus aztecus in a South Texas estuary. Marine Ecology - Progress Series, 2000, 199, 205-216.	0.9	45
43	Relative contribution of natural productivity and compound feed to tissue growth in blue shrimp (Litopenaeus stylirostris) reared in biofloc: Assessment by C and N stable isotope ratios and effect on key digestive enzymes. Aquaculture, 2015, 448, 288-297.	1.7	43
44	A geochemical record of environmental changes in sediments from Sishili Bay, northern Yellow Sea, China: Anthropogenic influence on organic matter sources and composition over the last 100years. Marine Pollution Bulletin, 2013, 77, 227-236.	2.3	41
45	Trophic structure in the northern Humboldt Current system: new perspectives from stable isotope analysis. Marine Biology, 2017, 164, 1.	0.7	41
46	Effects of Lipid Extraction on Î´13C and Î´15N Values in Seabird Muscle, Liver and Feathers. Waterbirds, 2008, 31, 169-178.	0.2	40
47	Excretion of nitrogenous products by Penaeus japonicus bate in relation to environmental osmotic conditions. Comparative Biochemistry and Physiology A, Comparative Physiology, 1982, 72, 673-678.	0.7	38
48	Bacterivory of a mudflat nematode community under different environmental conditions. Marine Biology, 2008, 154, 671-682.	0.7	38
49	Comparative foraging ecology and ecological niche of a superabundant tropical seabird: the sooty tern Sterna fuscata in the southwest Indian Ocean. Marine Biology, 2008, 155, 505-520.	0.7	38
50	Are epiphytes a significant component of intertidal Zostera noltii beds?. Aquatic Botany, 2009, 91, 82-90.	0.8	38
51	Importance of Marine-Derived Nutrients Supplied by Planktivorous Seabirds to High Arctic Tundra Plant Communities. PLoS ONE, 2016, 11, e0154950.	1.1	38
52	CHARACTERIZING AND QUANTIFYING PHOTOINHIBITION IN INTERTIDAL MICROPHYTOBENTHOS1. Journal of Phycology, 2004, 40, 692-696.	1.0	36
53	Ingestion rate of the deposit-feeder Hydrobia ulvae (Gastropoda) on epipelic diatoms: effect of cell size and algal biomass. Journal of Experimental Marine Biology and Ecology, 2005, 317, 1-12.	0.7	35
54	Is benthic food web structure related to diversity of marine macrobenthic communities?. Estuarine, Coastal and Shelf Science, 2012, 108, 76-86.	0.9	35

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55	The use of stable isotope analyses from skin biopsy samples to assess trophic relationships of sympatric delphinids off Moorea (French Polynesia). Journal of Experimental Marine Biology and Ecology, 2010, 395, 48-54.	0.7	34
56	Identifying carbon sources and trophic position of coral reef fishes using diet and stable isotope (Î´15N) Tj ETQq0 0 0 rgBT /Overlock 10	0.9	34
57	Stable isotope analysis of food source and trophic position of intertidal nematodes and copepods. Marine Ecology - Progress Series, 2008, 359, 145-150.	0.9	34
58	Feeding ecology of striped dolphins, Stenella coeruleoalba, in the north-western Mediterranean Sea based on stable isotope analyses. Journal of the Marine Biological Association of the United Kingdom, 2012, 92, 1677-1687.	0.4	33
59	Age, sex, and breeding status shape a complex foraging pattern in an extremely long-lived seabird. Ecology, 2014, 95, 2324-2333.	1.5	33
60	Seasonal Variations in Suspended Particulate Matter in the Marennes-OlÃ©ron Bay, France, using Lipids as Biomarkers. Estuarine, Coastal and Shelf Science, 1996, 43, 335-357.	0.9	32
61	Benthic contribution to pelagic microalgal communities in two semi-enclosed, European-type littoral ecosystems (Marennes-OlÃ©ron Bay and Aiguillon Bay, France). Journal of Sea Research, 2004, 52, 241-258.	0.6	32
62	A comprehensive isotopic investigation of habitat preferences in nonbreeding albatrosses from the Southern Ocean. Ecography, 2013, 36, 277-286.	2.1	32
63	Bacterivory by benthic organisms in sediment: Quantification using15N-enriched bacteria. Journal of Experimental Marine Biology and Ecology, 2008, 355, 18-26.	0.7	30
64	Stable isotope patterns in micronekton from the Mozambique Channel. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 100, 153-163.	0.6	29
65	Trophic resource use by macrozoobenthic primary consumers within a semi-enclosed coastal ecosystem: Stable isotope and fatty acid assessment. Journal of Sea Research, 2014, 88, 87-99.	0.6	29
66	Macroalgae Î´15N values in well-mixed estuaries: Indicator of anthropogenic nitrogen input or macroalgae metabolism?. Estuarine, Coastal and Shelf Science, 2013, 119, 126-138.	0.9	28
67	Key Features of Intertidal Food Webs That Support Migratory Shorebirds. PLoS ONE, 2013, 8, e76739.	1.1	28
68	How does the resuspension of the biofilm alter the functioning of the benthosâ€“pelagos coupled food web of a bare mudflat in Marennes-OlÃ©ron Bay (NE Atlantic)?. Journal of Sea Research, 2014, 92, 144-157.	0.6	28
69	Incorporation of diet information derived from Bayesian stable isotope mixing models into mass-balanced marine ecosystem models: A case study from the Marennes-OlÃ©ron Estuary, France. Ecological Modelling, 2013, 267, 127-137.	1.2	27
70	Influence of environment factors on bacterial ingestion rate of the deposit-feeder Hydrobia ulvae and comparison with meiofauna. Journal of Sea Research, 2008, 60, 151-156.	0.6	26
71	O' mother where wert thou? Maternal strategies in the southern elephant seal: a stable isotope investigation. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2681-2690.	1.2	26
72	Spatial Variability of Stable Isotope Ratios in Oysters (Crassostrea gigas) and Primary Producers Along an Estuarine Gradient (Bay of Brest, France). Estuaries and Coasts, 2013, 36, 808-819.	1.0	26

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73	Photo-regulation in microphytobenthos from intertidal mudflats and non-tidal coastal shallows. Estuarine, Coastal and Shelf Science, 2015, 152, 153-161.	0.9	26
74	Hg Stable Isotope Time Trend in Ringed Seals Registers Decreasing Sea Ice Cover in the Alaskan Arctic. Environmental Science & Technology, 2015, 49, 8977-8985.	4.6	26
75	Spatial variations in dietary organic matter sources modulate the size and condition of fish juveniles in temperate lagoon nursery sites. Estuarine, Coastal and Shelf Science, 2015, 152, 78-90.	0.9	26
76	Trophic structure of the macrobenthic community of Hornsund, Spitsbergen, based on the determination of stable carbon and nitrogen isotopic signatures. Polar Biology, 2014, 37, 1247-1260.	0.5	25
77	Quantifying the trophic base for benthic secondary production in the Nakdong River estuary of Korea using stable C and N isotopes. Journal of Experimental Marine Biology and Ecology, 2009, 382, 18-26.	0.7	24
78	Shift in foraging grounds and diet broadening during ontogeny in southern elephant seals from Kerguelen Islands. Marine Biology, 2013, 160, 977-986.	0.7	24
79	Feeding strategies and resource partitioning Âmitigate the effects of oligotrophy for marine cave mysids. Marine Ecology - Progress Series, 2011, 440, 163-176.	0.9	24
80	Stable isotopes document inter- and intra-specific variation in feeding ecology of nine large southern Procellariiformes. Marine Ecology - Progress Series, 2013, 490, 255-266.	0.9	24
81	NH4+ turnover in intertidal sediments of Marennes-OlÃ©ron Bay (France): effect of sediment temperature. Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 2000, 23, 575-584.	0.7	21
82	Organic matter exploitation in a highly turbid environment: Planktonic food web in the Charente estuary, France. Estuarine, Coastal and Shelf Science, 2012, 98, 126-137.	0.9	21
83	The influence of long emersion on biota, ammonium fluxes and nitrification in intertidal sediments of Marennes-OlÃ©ron Bay, France. Marine Environmental Research, 2002, 53, 381-402.	1.1	19
84	Selection of effective macroalgal species and tracing nitrogen sources on the different part of Yantai coast, China indicated by macroalgal Î´15N values. Science of the Total Environment, 2016, 542, 306-314.	3.9	18
85	Transfer of ornithogenic influence through different trophic levels of the Arctic terrestrial ecosystem of BjÃ¸rnÃ¸ya (Bear Island), Svalbard. Soil Biology and Biochemistry, 2017, 115, 475-489.	4.2	17
86	Distribution of adsorbed ammonium pools in two intertidal sedimentary structures, Marennes-OlÃ©ron Bay, France. Marine Ecology - Progress Series, 1999, 182, 29-35.	0.9	16
87	Spatioâ€“temporal differentiation in the population structure of Hydrobia ulvae on an intertidal mudflat (Marennes-OlÃ©ron Bay, France). Journal of the Marine Biological Association of the United Kingdom, 2002, 82, 605-614.	0.4	15
88	Carbon Stable Isotope Analysis of Methylmercury Toxin in Biological Materials by Gas Chromatography Isotope Ratio Mass Spectrometry. Analytical Chemistry, 2015, 87, 11732-11738.	3.2	15
89	Variations circadiennes des acides aminÃ©s libres du muscle de Penaeus kerathurus. Biochemical Systematics and Ecology, 1979, 7, 65-67.	0.6	13
90	Differences in spatial structures between juveniles and adults of the gastropod Hydrobia ulvae on an intertidal mudflat (Marennesâ€“OlÃ©ron Bay, France) potentially affect estimates of local demographic processes. Journal of Sea Research, 2004, 51, 63-68.	0.6	13

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91	Stable carbon isotope ratios differentiate autotrophs supporting animal diversity in Lake Baikal. Comptes Rendus De L'AcadÃ©mie Des Sciences SÃ©rie 3, Sciences De La Vie, 1998, 321, 509-516.	0.8	11
92	Does the size of the microphytobenthic biofilm on intertidal mudflats depend on the available photosynthetic biomass?. Marine Ecology - Progress Series, 2005, 298, 95-100.	0.9	10
93	Anomalies de calcification chez la palourde japonaise Ruditapes philippinarum: CaractÃ©risation et comparaison des compositions en acides aminÃ©s de diffÃ©rentes parties de la coquille analysÃ©es par HPLC. Aquaculture, 1989, 81, 169-183.	1.7	8
94	Title is missing!. Biogeochemistry, 2002, 61, 115-133.	1.7	8
95	Non-photochemical quenching in epipsammic and epipelic microalgal assemblages from two marine ecosystems. Continental Shelf Research, 2017, 136, 74-82.	0.9	8
96	Cd transfer in the deposit-feeder Prosobranch Hydrobia ulvae (Pennant) from benthic diatoms: the kinetics of rapid Cd assimilation and efflux. Journal of Experimental Marine Biology and Ecology, 2005, 317, 159-174.	0.7	7
97	Long- and short-term photoacclimation in epipsammon from non-tidal coastal shallows compared to epipelon from intertidal mudflat. Journal of Sea Research, 2018, 136, 1-9.	0.6	7
98	Influence de la tempÃ©rature sur les acides aminÃ©s libres de Palaemon serratus et P. squilla. Biochemical Systematics and Ecology, 1977, 5, 297-300.	0.6	6
99	Trophic shift in youngâ€ofâ€theâ€year Mugilidae during saltâ€marsh colonization. Journal of Fish Biology, 2013, 82, 1297-1307.	0.7	6
100	Analyzing biases of nitrogen contents and Î´15N values arising from acidified marine sediments with different CaCO3 concentrations. Acta Oceanologica Sinica, 2018, 37, 1-5.	0.4	6
101	Nitrification rates related to sedimentary structures in an Atlantic intertidal mudflat, Marennes-OlÃ©ron Bay, France. Marine Ecology - Progress Series, 1999, 191, 33-41.	0.9	6
102	The effects of temperature and salinity on phosphate levels in two euryhaline crustacean species. Journal of Sea Research, 1982, 15, 284-292.	1.0	4
103	Application of trichloroacetic acid (TCA) to extraction of soft body for the determination of tissue Cd, Cu, Pb and Zn in the prosobranch Hydrobia ulvae (Pennant). Marine Pollution Bulletin, 2003, 46, 1326-1333.	2.3	3
104	Morphology and distribution of a little known but widespread diatom (Bacillariophyceae),Navicula spartinetensisSullivanetReimer. Diatom Research, 2012, 27, 43-51.	0.5	2