

Pierre J Richard

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

110
papers

4,288
citations

39
h-index

60
g-index

111
ext. papers

4,760
ext. citations

2.9
avg, IF

5.15
L-index

#	Paper	IF	Citations
110	Long- and short-term photoacclimation in epipsammon from non-tidal coastal shallows compared to epipelon from intertidal mudflat. <i>Journal of Sea Research</i> , 2018 , 136, 1-9	1.9	6
109	Analyzing biases of nitrogen contents and $\delta^{15}N$ values arising from acidified marine sediments with different $CaCO_3$ concentrations. <i>Acta Oceanologica Sinica</i> , 2018 , 37, 1-5	1	3
108	Dynamics of particulate organic matter composition in coastal systems: A spatio-temporal study at multi-systems scale. <i>Progress in Oceanography</i> , 2017 , 156, 221-239	3.8	43
107	Trophic structure in the northern Humboldt Current system: new perspectives from stable isotope analysis. <i>Marine Biology</i> , 2017 , 164, 1	2.5	24
106	Non-photochemical quenching in epipsammic and epipelagic microalgal assemblages from two marine ecosystems. <i>Continental Shelf Research</i> , 2017 , 136, 74-82	2.4	4
105	Transfer of ornithogenic influence through different trophic levels of the Arctic terrestrial ecosystem of Bjørnøya (Bear Island), Svalbard. <i>Soil Biology and Biochemistry</i> , 2017 , 115, 475-489	7.5	9
104	Selection of effective macroalgal species and tracing nitrogen sources on the different part of Yantai coast, China indicated by macroalgal $\delta^{15}N$ values. <i>Science of the Total Environment</i> , 2016 , 542, 306-14	10.2	16
103	Importance of Marine-Derived Nutrients Supplied by Planktivorous Seabirds to High Arctic Tundra Plant Communities. <i>PLoS ONE</i> , 2016 , 11, e0154950	3.7	30
102	Relative contribution of natural productivity and compound feed to tissue growth in blue shrimp (<i>Litopenaeus stylirostris</i>) reared in biofloc: Assessment by C and N stable isotope ratios and effect on key digestive enzymes. <i>Aquaculture</i> , 2015 , 448, 288-297	4.4	33
101	Photo-regulation in microphytobenthos from intertidal mudflats and non-tidal coastal shallows. <i>Estuarine, Coastal and Shelf Science</i> , 2015 , 152, 153-161	2.9	20
100	Hg Stable Isotope Time Trend in Ringed Seals Registers Decreasing Sea Ice Cover in the Alaskan Arctic. <i>Environmental Science & Technology</i> , 2015 , 49, 8977-85	10.3	19
99	Distribution and sources of organic matter in surface sediments of Bohai Sea near the Yellow River Estuary, China. <i>Estuarine, Coastal and Shelf Science</i> , 2015 , 165, 128-136	2.9	51
98	Carbon Stable Isotope Analysis of Methylmercury Toxin in Biological Materials by Gas Chromatography Isotope Ratio Mass Spectrometry. <i>Analytical Chemistry</i> , 2015 , 87, 11732-8	7.8	11
97	Spatial variations in dietary organic matter sources modulate the size and condition of fish juveniles in temperate lagoon nursery sites. <i>Estuarine, Coastal and Shelf Science</i> , 2015 , 152, 78-90	2.9	19
96	Trophic resource use by macrozoobenthic primary consumers within a semi-enclosed coastal ecosystem: Stable isotope and fatty acid assessment. <i>Journal of Sea Research</i> , 2014 , 88, 87-99	1.9	26
95	Age, sex, and breeding status shape a complex foraging pattern in an extremely long-lived seabird. <i>Ecology</i> , 2014 , 95, 2324-33	4.6	30
94	Trophic structure of the macrobenthic community of Hornsund, Spitsbergen, based on the determination of stable carbon and nitrogen isotopic signatures. <i>Polar Biology</i> , 2014 , 37, 1247-1260	2	13

93	How does the resuspension of the biofilm alter the functioning of the benthos? Pelagos coupled food web of a bare mudflat in Marennes-Olfon Bay (NE Atlantic)?. <i>Journal of Sea Research</i> , 2014 , 92, 144-157	1.9	24
92	Stable isotope patterns in micronekton from the Mozambique Channel. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2014 , 100, 153-163	2.3	21
91	Seabird year-round and historical feeding ecology: blood and feather $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values document foraging plasticity of small sympatric petrels. <i>Marine Ecology - Progress Series</i> , 2014 , 505, 267-280	3.6	48
90	Trophic shift in young-of-the-year Mugilidae during salt-marsh colonization. <i>Journal of Fish Biology</i> , 2013 , 82, 1297-307	1.9	6
89	Spatial Variability of Stable Isotope Ratios in Oysters (<i>Crassostrea gigas</i>) and Primary Producers Along an Estuarine Gradient (Bay of Brest, France). <i>Estuaries and Coasts</i> , 2013 , 36, 808-819	2.8	21
88	Incorporation of diet information derived from Bayesian stable isotope mixing models into mass-balanced marine ecosystem models: A case study from the Marennes-Olfon Estuary, France. <i>Ecological Modelling</i> , 2013 , 267, 127-137	3	23
87	Identifying carbon sources and trophic position of coral reef fishes using diet and stable isotope ($\delta^{15}\text{N}$ and $\delta^{13}\text{C}$) analyses in two contrasted bays in Moorea, French Polynesia. <i>Coral Reefs</i> , 2013 , 32, 1091-1102	4.2	27
86	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 100 years. <i>Marine Pollution Bulletin</i> , 2013 , 77, 227-36	6.7	28
85	Macroalgae $\delta^{15}\text{N}$ values in well-mixed estuaries: Indicator of anthropogenic nitrogen input or macroalgae metabolism?. <i>Estuarine, Coastal and Shelf Science</i> , 2013 , 119, 126-138	2.9	23
84	Shift in foraging grounds and diet broadening during ontogeny in southern elephant seals from Kerguelen Islands. <i>Marine Biology</i> , 2013 , 160, 977-986	2.5	18
83	A comprehensive isotopic investigation of habitat preferences in nonbreeding albatrosses from the Southern Ocean. <i>Ecography</i> , 2013 , 36, 277-286	6.5	30
82	Key features of intertidal food webs that support migratory shorebirds. <i>PLoS ONE</i> , 2013 , 8, e76739	3.7	24
81	Stable isotopes document inter- and intra-specific variation in feeding ecology of nine large southern Procellariiformes. <i>Marine Ecology - Progress Series</i> , 2013 , 490, 255-266	2.6	19
80	Organic matter exploitation in a highly turbid environment: Planktonic food web in the Charente estuary, France. <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 98, 126-137	2.9	18
79	Feeding ecology of striped dolphins, <i>Stenella coeruleoalba</i> , in the north-western Mediterranean Sea based on stable isotope analyses. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2012 , 92, 1677-1687	1.1	23
78	Is benthic food web structure related to diversity of marine macrobenthic communities?. <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 108, 76-86	2.9	23
77	Long-term species, sexual and individual variations in foraging strategies of fur seals revealed by stable isotopes in whiskers. <i>PLoS ONE</i> , 2012 , 7, e32916	3.7	69
76	Food sources used by sediment meiofauna in an intertidal <i>Zostera noltii</i> seagrass bed: a seasonal stable isotope study. <i>Marine Biology</i> , 2012 , 159, 1537-1550	2.5	40

75	Morphology and distribution of a little known but widespread diatom (Bacillariophyceae), <i>Navicula spartinetensis</i> Sullivan et Reimer. <i>Diatom Research</i> , 2012 , 27, 43-51	0.9	2
74	Short- and long-term consistency in the foraging niche of wandering albatrosses. <i>Marine Biology</i> , 2012 , 159, 1581-1591	2.5	66
73	OSmother where wert thou? Maternal strategies in the southern elephant seal: a stable isotope investigation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 2681-90	4.4	24
72	Trophic ecology of mullets during their spring migration in a European saltmarsh: A stable isotope study. <i>Estuarine, Coastal and Shelf Science</i> , 2011 , 91, 502-510	2.9	34
71	Trophic importance of diatoms in an intertidal <i>Zostera noltii</i> seagrass bed: Evidence from stable isotope and fatty acid analyses. <i>Estuarine, Coastal and Shelf Science</i> , 2011 , 92, 140-153	2.9	67
70	Sequential isotopic signature along gladius highlights contrasted individual foraging strategies of jumbo squid (<i>Dosidicus gigas</i>). <i>PLoS ONE</i> , 2011 , 6, e22194	3.7	42
69	Ecological niche segregation within a community of sympatric dolphins around a tropical island. <i>Marine Ecology - Progress Series</i> , 2011 , 433, 273-288	2.6	51
68	Feeding strategies and resource partitioning ¶mitigate the effects of oligotrophy for marine cave mysids. <i>Marine Ecology - Progress Series</i> , 2011 , 440, 163-176	2.6	20
67	Isotopic niches and trophic levels of myctophid fishes and their predators in the Southern Ocean. <i>Limnology and Oceanography</i> , 2010 , 55, 324-332	4.8	150
66	Use of stable isotopes to quantify seasonal changes of trophic niche and levels of population and individual specialisation in seabirds. <i>Marine Ecology - Progress Series</i> , 2010 , 401, 269-277	2.6	78
65	The use of stable isotope analyses from skin biopsy samples to assess trophic relationships of sympatric delphinids off Moorea (French Polynesia). <i>Journal of Experimental Marine Biology and Ecology</i> , 2010 , 395, 48-54	2.1	28
64	Seabird satellite tracking validates the use of latitudinal isoscapes to depict predatorsSforaging areas in the Southern Ocean. <i>Rapid Communications in Mass Spectrometry</i> , 2010 , 24, 3456-60	2.2	141
63	Whisker isotopic signature depicts migration patterns and multi-year intra- and inter-individual foraging strategies in fur seals. <i>Biology Letters</i> , 2009 , 5, 830-2	3.6	125
62	Stable isotopes document the trophic structure of a deep-sea cephalopod assemblage including giant octopod and giant squid. <i>Biology Letters</i> , 2009 , 5, 364-7	3.6	50
61	Quantifying the trophic base for benthic secondary production in the Nakdong River estuary of Korea using stable C and N isotopes. <i>Journal of Experimental Marine Biology and Ecology</i> , 2009 , 382, 18-26 ¹	2.1	21
60	A preliminary study of habitat and resource partitioning among co-occurring tropical dolphins around Mayotte, southwest Indian Ocean. <i>Estuarine, Coastal and Shelf Science</i> , 2009 , 84, 367-374	2.9	36
59	Tissue, ontogenic and sex-related differences in $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values of the oceanic squid <i>Todarodes filippovae</i> (Cephalopoda: Ommastrephidae). <i>Marine Biology</i> , 2009 , 156, 699-708	2.5	52
58	Using carbon and nitrogen isotopic values of body feathers to infer inter- and intra-individual variations of seabird feeding ecology during moult. <i>Marine Biology</i> , 2009 , 156, 1233-1240	2.5	54

57	Eutrophication and trophic structure in response to the presence of the eelgrass <i>Zostera noltii</i> . <i>Marine Biology</i> , 2009 , 156, 2107-2120	2.5	43
56	delta(15)N and delta(13)C in the Mondego estuary food web: seasonal variation in producers and consumers. <i>Marine Environmental Research</i> , 2009 , 67, 109-16	3.3	50
55	Are epiphytes a significant component of intertidal <i>Zostera noltii</i> beds?. <i>Aquatic Botany</i> , 2009 , 91, 82-90	1.8	31
54	Archaeal Methane Cycling Communities Associated with Gassy Subsurface Sediments of Marennes-Olfon Bay (France). <i>Geomicrobiology Journal</i> , 2009 , 26, 31-43	2.5	35
53	Seasonal variation in consumption of benthic bacteria by meio- and macrofauna in an intertidal mudflat. <i>Limnology and Oceanography</i> , 2009 , 54, 1048-1059	4.8	45
52	Bacterivory by benthic organisms in sediment: Quantification using ¹⁵ N-enriched bacteria. <i>Journal of Experimental Marine Biology and Ecology</i> , 2008 , 355, 18-26	2.1	28
51	Bacterivory in the common foraminifer <i>Ammonia tepida</i> : Isotope tracer experiment and the controlling factors. <i>Journal of Experimental Marine Biology and Ecology</i> , 2008 , 359, 55-61	2.1	45
50	Influence of environment factors on bacterial ingestion rate of the deposit-feeder <i>Hydrobia ulvae</i> and comparison with meiofauna. <i>Journal of Sea Research</i> , 2008 , 60, 151-156	1.9	25
49	Effects of Lipid Extraction on ¹³ C and ¹⁵ N Values in Seabird Muscle, Liver and Feathers. <i>Waterbirds</i> , 2008 , 31, 169-178	0.5	40
48	Bacterivory of a mudflat nematode community under different environmental conditions. <i>Marine Biology</i> , 2008 , 154, 671-682	2.5	29
47	Stable isotopes document winter trophic ecology and maternal investment of adult female southern elephant seals (<i>Mirounga leonina</i>) breeding at the Kerguelen Islands. <i>Marine Biology</i> , 2008 , 155, 413-420	2.5	67
46	Comparative foraging ecology and ecological niche of a superabundant tropical seabird: the sooty tern <i>Sterna fuscata</i> in the southwest Indian Ocean. <i>Marine Biology</i> , 2008 , 155, 505-520	2.5	30
45	Stable isotope analysis of food source and trophic position of intertidal nematodes and copepods. <i>Marine Ecology - Progress Series</i> , 2008 , 359, 145-150	2.6	32
44	Resource partitioning within a tropical seabird community: new information from stable isotopes. <i>Marine Ecology - Progress Series</i> , 2008 , 366, 281-291	2.6	113
43	Stable isotopes reveal the trophic position and mesopelagic fish diet of female southern elephant seals breeding on the Kerguelen Islands. <i>Marine Ecology - Progress Series</i> , 2008 , 370, 239-247	2.6	145
42	Methodology of light response curves: application of chlorophyll fluorescence to microphytobenthic biofilms. <i>Marine Biology</i> , 2007 , 153, 91-101	2.5	48
41	Spatio-temporal structure of the epipelagic diatom assemblage from an intertidal mudflat in Marennes-Olfon Bay, France. <i>Estuarine, Coastal and Shelf Science</i> , 2005 , 64, 385-394	2.9	49
40	Ingestion rate of the deposit-feeder <i>Hydrobia ulvae</i> (Gastropoda) on epipelagic diatoms: effect of cell size and algal biomass. <i>Journal of Experimental Marine Biology and Ecology</i> , 2005 , 317, 1-12	2.1	33

39	Cd transfer in the deposit-feeder Prosobranch <i>Hydrobia ulvae</i> (Pennant) from benthic diatoms: the kinetics of rapid Cd assimilation and efflux. <i>Journal of Experimental Marine Biology and Ecology</i> , 2005 , 317, 159-174	2.1	7
38	Does the size of the microphytobenthic biofilm on intertidal mudflats depend on the available photosynthetic biomass?. <i>Marine Ecology - Progress Series</i> , 2005 , 298, 95-100	2.6	9
37	CHARACTERIZING AND QUANTIFYING PHOTOINHIBITION IN INTERTIDAL MICROPHYTOBENTHOS1. <i>Journal of Phycology</i> , 2004 , 40, 692-696	3	27
36	Differences in spatial structures between juveniles and adults of the gastropod <i>Hydrobia ulvae</i> on an intertidal mudflat (Marennes-Olfon Bay, France) potentially affect estimates of local demographic processes. <i>Journal of Sea Research</i> , 2004 , 51, 63-68	1.9	13
35	Benthic contribution to pelagic microalgal communities in two semi-enclosed, European-type littoral ecosystems (Marennes-Olfon Bay and Aiguillon Bay, France). <i>Journal of Sea Research</i> , 2004 , 52, 241-258	1.9	25
34	Microstructure of microphytobenthic biofilm and its spatio-temporal dynamics in an intertidal mudflat (Aiguillon Bay, France). <i>Marine Ecology - Progress Series</i> , 2004 , 282, 33-44	2.6	54
33	Application of trichloroacetic acid (TCA) to extraction of soft body for the determination of tissue Cd, Cu, Pb and Zn in the prosobranch <i>Hydrobia ulvae</i> (Pennant). <i>Marine Pollution Bulletin</i> , 2003 , 46, 1326-33	6.7	3
32	Fluff deposition on intertidal sediments: effects on benthic biota, ammonium fluxes and nitrification rates. <i>Biogeochemistry</i> , 2002 , 61, 115-133	3.8	7
31	Spatio-temporal differentiation in the population structure of <i>Hydrobia ulvae</i> on an intertidal mudflat (Marennes-Olfon Bay, France). <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2002 , 82, 605-614	1.1	10
30	The influence of long emersion on biota, ammonium fluxes and nitrification in intertidal sediments of Marennes-Olfon Bay, France. <i>Marine Environmental Research</i> , 2002 , 53, 381-402	3.3	15
29	NH ₄ ⁺ turnover in intertidal sediments of Marennes-Olfon Bay (France): effect of sediment temperature. <i>Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie</i> , 2000 , 23, 575-584		18
28	Measurement of ingestion rate of <i>Hydrobia ulvae</i> (Pennant) on intertidal epipellic microalgae: the effect of mud snail density. <i>Journal of Experimental Marine Biology and Ecology</i> , 2000 , 255, 247-260	2.1	46
27	Chemical and Isotopic Composition of the Organic Matter Sources in the Gulf of Gdansk (Southern Baltic Sea). <i>Estuarine, Coastal and Shelf Science</i> , 2000 , 51, 585-598	2.9	124
26	The effect of geomorphological structures on potential biostabilisation by microphytobenthos on intertidal mudflats. <i>Continental Shelf Research</i> , 2000 , 20, 1243-1256	2.4	73
25	Utilization of estuarine organic matter during growth and migration by juvenile brown shrimp <i>Penaeus aztecus</i> in a South Texas estuary. <i>Marine Ecology - Progress Series</i> , 2000 , 199, 205-216	2.6	37
24	Distribution of adsorbed ammonium pools in two intertidal sedimentary structures, Marennes-Olfon Bay, France. <i>Marine Ecology - Progress Series</i> , 1999 , 182, 29-35	2.6	13
23	Food sources of an infaunal suspension-feeding bivalve <i>Cerastoderma edule</i> in a muddy sandflat of Marennes-Olfon Bay, as determined by analyses of carbon and nitrogen stable isotopes. <i>Marine Ecology - Progress Series</i> , 1999 , 187, 147-158	2.6	93
22	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. <i>Marine Ecology - Progress Series</i> , 1999 , 187, 301-307	2.6	109

21	Nitrification rates related to sedimentary structures in an Atlantic intertidal mudflat, Marennes-Olŕon Bay, France. <i>Marine Ecology - Progress Series</i> , 1999 , 191, 33-41	2.6	3
20	Stable carbon isotope ratios differentiate autotrophs supporting animal diversity in Lake Baikal. <i>Comptes Rendus De LiAcadŕmie Des Sciences Sŕrie 3, Sciences De La Vie</i> , 1998 , 321, 509-516		8
19	Dynamics of spatial patterns of microphytobenthic biomass: inferences from a geostatistical analysis of two comprehensive surveys in Marennes-Olŕon Bay (France). <i>Marine Ecology - Progress Series</i> , 1998 , 166, 131-141	2.6	71
18	SEASONAL EFFECT ON THE RELATIONSHIP BETWEEN THE PHOTOSYNTHETIC CAPACITY OF INTERTIDAL MICROPHYTOBENTHOS AND TEMPERATURE 1. <i>Journal of Phycology</i> , 1997 , 33, 723-728	3	64
17	Temporal variation of delta13C in particulate organic matter and oyster <i>Crassostrea gigas</i> in Marennes-Olŕon Bay (France): effect of freshwater inflow. <i>Marine Ecology - Progress Series</i> , 1997 , 147, 105-115	2.6	76
16	Food source of intertidal nematodes in the Bay of Marennes-Olŕon (France), as determined by dual stable isotope analysis. <i>Marine Ecology - Progress Series</i> , 1996 , 142, 303-309	2.6	78
15	Isotopic Determination of Food Sources of <i>Crassostrea gigas</i> Along a Trophic Gradient in the Estuarine Bay of Marennes-Olŕon. <i>Estuarine, Coastal and Shelf Science</i> , 1996 , 42, 347-360	2.9	230
14	Seasonal Variations in Suspended Particulate Matter in the Marennes-Olŕon Bay, France, using Lipids as Biomarkers. <i>Estuarine, Coastal and Shelf Science</i> , 1996 , 43, 335-357	2.9	24
13	Quantifying the short-term temperature effect on light-saturated photosynthesis of intertidal microphytobenthos. <i>Marine Ecology - Progress Series</i> , 1996 , 134, 309-313	2.6	85
12	Effect of starvation on RNA, DNA and protein content of laboratory-reared larvae and juveniles of <i>Solea solea</i> . <i>Marine Ecology - Progress Series</i> , 1991 , 72, 69-77	2.6	79
11	Anomalies de calcification chez la palourde japonaise <i>Ruditapes philippinarum</i> : Caractŕisation et comparaison des compositions en acides aminŕs de diffŕentes parties de la coquille analysŕs par HPLC. <i>Aquaculture</i> , 1989 , 81, 169-183	4.4	7
10	Excretion of nitrogenous products by <i>Penaeus japonicus</i> bate in relation to environmental osmotic conditions. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1982 , 72, 673-678		35
9	Evolution de quelques Enzymes Digestives chez le Jeune <i>Mugil capito</i> Diverses Etapes de sa Croissance. <i>Biochemical Systematics and Ecology</i> , 1982 , 10, 185-189	1.4	4
8	The effects of temperature and salinity on phosphate levels in two euryhaline crustacean species. <i>Journal of Sea Research</i> , 1982 , 15, 284-292		4
7	Acides aminŕs de microsporidies parasites de crustacŕs dŕcapodes marins. <i>Biochemical Systematics and Ecology</i> , 1980 , 8, 205-209	1.4	4
6	Le mŕtabolisme amino-acide de <i>Palaemon serratus</i> : Variations des acides amines libres du muscle et de lŕhepatopancreas au cours du cycle de mue. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1980 , 67, 553-560		4
5	Influence dŕune microsporidiose sur les acides aminŕs libres de <i>Carcinus mediterraneus</i> Czerniavsky, 1884 soumis ŕ diverses salinitŕs et ŕ des valeurs extrŕmes de tempŕature. <i>Journal of Experimental Marine Biology and Ecology</i> , 1980 , 43, 207-220	2.1	8
4	Variations circadiennes des acides aminŕs libres du muscle de <i>Penaeus kerathurus</i> . <i>Biochemical Systematics and Ecology</i> , 1979 , 7, 65-67	1.4	13

3	Tolérance aux températures extrêmes de <i>Palaemon serratus</i> (Pennant): Influence de la taille et de l'acclimatation. <i>Journal of Experimental Marine Biology and Ecology</i> , 1978 , 35, 137-146	2.1	11
2	Influence de la température sur la croissance et la mue de <i>Palaemon serratus</i> en fonction de leur taille. <i>Aquaculture</i> , 1978 , 14, 13-22	4.4	20
1	Influence de la température sur les acides aminés libres de <i>Palaemon serratus</i> et <i>P. squilla</i> . <i>Biochemical Systematics and Ecology</i> , 1977 , 5, 297-300	1.4	6