Vassilis Kitidis

List of Publications by Year
in descending order

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57 papers	4,857 citations	293460 24 h-index	162838 57 g-index
62 all docs	62 docs citations	62 times ranked	8507 citing authors

#	Article	IF	Citations
1	Landscape controls on riverine export of dissolved organic carbon from Great Britain. Biogeochemistry, 2023, 164, 163-184.	1.7	26
2	The role of a changing Arctic Ocean and climate for the biogeochemical cycling of dimethyl sulphide and carbon monoxide. Ambio, 2022, 51, 411-422.	2.8	10
3	Nitrous oxide and methane in a changing Arctic Ocean. Ambio, 2022, 51, 398-410.	2.8	6
4	Derivation of seawater <i>p</i>CO₂ from net community production identifies the South Atlantic Ocean as a CO₂ source. Biogeosciences, 2022, 19, 93-115.	1.3	5
5	Tidal mixing of estuarine and coastal waters in the western English Channel is a control on spatial and temporal variability in seawater CO₂. Biogeosciences, 2022, 19, 1657-1674.	1.3	5
6	Uncertainties in eddy covariance airâ€“sea CO₂ flux measurements and implications for gas transfer velocity parameterisations. Atmospheric Chemistry and Physics, 2021, 21, 8089-8110.	1.9	20
7	Wind speed and mesoscale features drive net autotrophy in the South Atlantic Ocean. Remote Sensing of Environment, 2021, 260, 112435.	4.6	10
8	Contrasting Estuarine Processing of Dissolved Organic Matter Derived From Natural and Humanâ€Impacted Landscapes. Global Biogeochemical Cycles, 2021, 35, e2021GB007023.	1.9	12
9	Nearâ€Surface Stratification Due to Ice Melt Biases Arctic Airâ€Sea CO‹sub›2‹/sub› Flux Estimates. Geophysical Research Letters, 2021, 48, e2021GL095266.	1.5	14
10	Sensitivity of Modeled CO2 Airâ€“Sea Flux in a Coastal Environment to Surface Temperature Gradients, Surfactants, and Satellite Data Assimilation. Remote Sensing, 2020, 12, 2038.	1.8	5
11	Underway seawater and atmospheric measurements of volatile organic compounds in the Southern Ocean. Biogeosciences, 2020, 17, 2593-2619.	1.3	19
12	Global Carbon Budget 2020. Earth System Science Data, 2020, 12, 3269-3340.	3.7	1,477
13	Constraining the Oceanic Uptake and Fluxes of Greenhouse Gases by Building an Ocean Network of Certified Stations: The Ocean Component of the Integrated Carbon Observation System, ICOS-Oceans. Frontiers in Marine Science, 2019, 6, .	1.2	13
14	Insights from year-long measurements of airâ€“water CH₄ and CO₂ exchange in a coastal environment. Biogeosciences, 2019, 16, 961-978.	1.3	17
15	Winter weather controls net influx of atmospheric CO2 on the north-west European shelf. Scientific Reports, 2019, 9, 20153.	1.6	25
16	Unified concepts for understanding and modelling turnover of dissolved organic matter from freshwaters to the ocean: the UniDOM model. Biogeochemistry, 2019, 146, 105-123.	1.7	33
17	Seasonality and spatial heterogeneity of the surface ocean carbonate system in the northwest European continental shelf. Progress in Oceanography, 2019, 177, 101909.	1.5	16
18	High Resolution pH Measurements Using a Lab-on-Chip Sensor in Surface Waters of Northwest European Shelf Seas. Sensors, 2018, 18, 2622.	2.1	13

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19	Determining Atlantic Ocean province contrasts and variations. Progress in Oceanography, 2017, 158, 19-40.	1.5	12
20	Seasonal benthic nitrogen cycling in a temperate shelf sea: the Celtic Sea. Biogeochemistry, 2017, 135, 103-119.	1.7	24
21	Pteropods are excellent recorders of surface temperature and carbonate ion concentration. Scientific Reports, 2017, 7, 12645.	1.6	14
22	An approach for the identification of exemplar sites for scaling up targeted field observations of benthic biogeochemistry in heterogeneous environments. Biogeochemistry, 2017, 135, 1-34.	1.7	30
23	Oxygen dynamics in shelf seas sediments incorporating seasonal variability. Biogeochemistry, 2017, 135, 35-47.	1.7	22
24	Surface ocean carbon dioxide during the Atlantic Meridional Transect (1995â€“2013); evidence of ocean acidification. Progress in Oceanography, 2017, 158, 65-75.	1.5	35
25	Comparing benthic biogeochemistry at a sandy and a muddy site in the Celtic Sea using a model and observations. Biogeochemistry, 2017, 135, 155-182.	1.7	10
26	Characterization of a Time-Domain Dual Lifetime Referencing pCO2 Optode and Deployment as a High-Resolution Underway Sensor across the High Latitude North Atlantic Ocean. Frontiers in Marine Science, 2017, 4, .	1.2	7
27	Nitrous oxide as a function of oxygen and archaeal gene abundance in the North Pacific. Nature Communications, 2016, 7, 13451.	5.8	58
28	Airâ€“sea fluxes of CO₂ and CH₄ from the Penlee Point Atmospheric Observatory on the south-west coast of the UK. Atmospheric Chemistry and Physics, 2016, 16, 5745-5761.	1.9	22
29	Two intertidal, non-calcifying macroalgae (Palmaria palmata and Saccharina latissima) show complex and variable responses to short-term CO2 acidification. ICES Journal of Marine Science, 2016, 73, 887-896.	1.2	25
30	A multi-decade record of high-quality <i>f</i>CO₂ data in version 3 of the Surface Ocean CO₂ Atlas (SOCAT). Earth System Science Data, 2016, 8, 383-413.	3.7	413
31	Satellite estimates of net community production indicate predominance of net autotrophy in the Atlantic Ocean. Remote Sensing of Environment, 2015, 164, 254-269.	4.6	23
32	Both respiration and photosynthesis determine the scaling of plankton metabolism in the oligotrophic ocean. Nature Communications, 2015, 6, 6961.	5.8	33
33	Global Carbon Budget 2015. Earth System Science Data, 2015, 7, 349-396.	3.7	616
34	Global carbon budget 2014. Earth System Science Data, 2015, 7, 47-85.	3.7	463
35	Intercomparison of carbonate chemistry measurements on a cruise in northwestern European shelf seas. Biogeosciences, 2014, 11, 4339-4355.	1.3	26
36	Oxygen photolysis in the Mauritanian upwelling: Implications for net community production. Limnology and Oceanography, 2014, 59, 299-310.	1.6	17

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37	Spatio-temporal variability in ammonia oxidation and ammonia-oxidising bacteria and archaea in coastal sediments of the western English Channel. Marine Ecology - Progress Series, 2014, 511, 41-58.	0.9	12
38	An update to the Surface Ocean CO₂ Atlas (SOCAT version 2). Earth System Science Data, 2014, 6, 69-90.	3.7	158
39	Bioturbation determines the response of benthic ammonia-oxidizing microorganisms to ocean acidification. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120441.	1.8	55
40	Biological and physical forcing of carbonate chemistry in an upwelling filament off northwest Africa: Results from a Lagrangian study. Global Biogeochemical Cycles, 2012, 26, .	1.9	20
41	Seasonal dynamics of the carbonate system in the Western English Channel. Continental Shelf Research, 2012, 42, 30-40.	0.9	55
42	Impact of ocean acidification on benthic and water column ammonia oxidation. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	83
43	Carbon monoxide emission from a Mauritanian upwelling filament. Marine Chemistry, 2011, 127, 123-133.	0.9	18
44	Effects of high CO2 on the fixed nitrogen inventory of the Western English Channel. Journal of Plankton Research, 2010, 32, 631-641.	0.8	20
45	A broad spatio-temporal view of the Western English Channel observatory. Journal of Plankton Research, 2010, 32, 585-601.	0.8	161
46	Methane and nitrous oxide in surface water along the North-West Passage, Arctic Ocean. Marine Chemistry, 2010, 121, 80-86.	0.9	62
47	Photochemical production and consumption of ammonium in a temperate riverâ€“sea system. Marine Chemistry, 2008, 112, 118-127.	0.9	13
48	The biogeochemical cycling of methane in Ria de Vigo, NW Spain: Sediment processing and seaâ€“air exchange. Journal of Marine Systems, 2007, 66, 258-271.	0.9	23
49	Variability of chromophoric organic matter in surface waters of the Atlantic Ocean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2006, 53, 1666-1684.	0.6	82
50	The open-ocean source of atmospheric carbon monoxide. Deep-Sea Research Part II: Topical Studies in Oceanography, 2006, 53, 1685-1694.	0.6	54
51	Photochemical production of ammonium in the oligotrophic Cyprus Gyre (Eastern Mediterranean). Biogeosciences, 2006, 3, 439-449.	1.3	22
52	Latitudinal distribution of microbial plankton abundance, production, and respiration in the Equatorial Atlantic in autumn 2000. Deep-Sea Research Part I: Oceanographic Research Papers, 2005, 52, 861-880.	0.6	37
53	Nitrogen uptake and dissolved organic nitrogen release in planktonic communities characterised by phytoplankton sizeâ€“structure in the Central Atlantic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2005, 52, 1637-1661.	0.6	39
54	Nutrient cycling in the south east Levantine basin of the eastern Mediterranean: Results from a phosphorus starved system. Deep-Sea Research Part II: Topical Studies in Oceanography, 2005, 52, 2879-2896.	0.6	136

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55	The fate of phosphate in an in situ Lagrangian addition experiment in the Eastern Mediterranean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2005, 52, 2911-2927.	0.6	21
56	Summary and overview of the CYCLOPS P addition Lagrangian experiment in the Eastern Mediterranean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2005, 52, 3090-3108.	0.6	69
57	Chapter 10. Methane Biogeochemistry and Carbon Stores in the Arctic Ocean: Hydrates and Permafrost. Issues in Environmental Science and Technology, 0, , 285-300.	0.4	1