

Vassilis Kitidis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9071866/publications.pdf>

Version: 2024-02-01

57
papers

4,857
citations

257450

24
h-index

144013

57
g-index

62
all docs

62
docs citations

62
times ranked

7548
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Carbon Budget 2020. Earth System Science Data, 2020, 12, 3269-3340.	9.9	1,477
2	Global Carbon Budget 2015. Earth System Science Data, 2015, 7, 349-396.	9.9	616
3	Global carbon budget 2014. Earth System Science Data, 2015, 7, 47-85.	9.9	463
4	A multi-decade record of high-quality CO_2 data in version 3 of the Surface Ocean CO_2 Atlas (SOCAT). Earth System Science Data, 2016, 8, 383-413.	9.9	413
5	A broad spatio-temporal view of the Western English Channel observatory. Journal of Plankton Research, 2010, 32, 585-601.	1.8	161
6	An update to the Surface Ocean CO_2 Atlas (SOCAT version 2). Earth System Science Data, 2014, 6, 69-90.	9.9	158
7	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.	1.4	136
8	Impact of ocean acidification on benthic and water column ammonia oxidation. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	83
9	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.	1.4	82
10	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.	1.4	69
11	Methane and nitrous oxide in surface water along the North-West Passage, Arctic Ocean. Marine Chemistry, 2010, 121, 80-86.	2.3	62
12	Nitrous oxide as a function of oxygen and archaeal gene abundance in the North Pacific. Nature Communications, 2016, 7, 13451.	12.8	58
13	Seasonal dynamics of the carbonate system in the Western English Channel. Continental Shelf Research, 2012, 42, 30-40.	1.8	55
14	Bioturbation determines the response of benthic ammonia-oxidizing microorganisms to ocean acidification. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120441.	4.0	55
15	The open-ocean source of atmospheric carbon monoxide. Deep-Sea Research Part II: Topical Studies in Oceanography, 2006, 53, 1685-1694.	1.4	54
16	Nitrogen uptake and dissolved organic nitrogen release in planktonic communities characterised by phytoplankton size structure in the Central Atlantic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2005, 52, 1637-1661.	1.4	39
17	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.	1.4	37
18	Surface ocean carbon dioxide during the Atlantic Meridional Transect (1995-2013); evidence of ocean acidification. Progress in Oceanography, 2017, 158, 65-75.	3.2	35

#	ARTICLE	IF	CITATIONS
19	Both respiration and photosynthesis determine the scaling of plankton metabolism in the oligotrophic ocean. <i>Nature Communications</i> , 2015, 6, 6961.	12.8	33
20	Unified concepts for understanding and modelling turnover of dissolved organic matter from freshwaters to the ocean: the UniDOM model. <i>Biogeochemistry</i> , 2019, 146, 105-123.	3.5	33
21	An approach for the identification of exemplar sites for scaling up targeted field observations of benthic biogeochemistry in heterogeneous environments. <i>Biogeochemistry</i> , 2017, 135, 1-34.	3.5	30
22	Intercomparison of carbonate chemistry measurements on a cruise in northwestern European shelf seas. <i>Biogeosciences</i> , 2014, 11, 4339-4355.	3.3	26
23	Landscape controls on riverine export of dissolved organic carbon from Great Britain. <i>Biogeochemistry</i> , 2023, 164, 163-184.	3.5	26
24	Two intertidal, non-calcifying macroalgae (<i>Palmaria palmata</i> and <i>Saccharina latissima</i>) show complex and variable responses to short-term CO ₂ acidification. <i>ICES Journal of Marine Science</i> , 2016, 73, 887-896.	2.5	25
25	Winter weather controls net influx of atmospheric CO ₂ on the north-west European shelf. <i>Scientific Reports</i> , 2019, 9, 20153.	3.3	25
26	Seasonal benthic nitrogen cycling in a temperate shelf sea: the Celtic Sea. <i>Biogeochemistry</i> , 2017, 135, 103-119.	3.5	24
27	The biogeochemical cycling of methane in Ria de Vigo, NW Spain: Sediment processing and sea-air exchange. <i>Journal of Marine Systems</i> , 2007, 66, 258-271.	2.1	23
28	Satellite estimates of net community production indicate predominance of net autotrophy in the Atlantic Ocean. <i>Remote Sensing of Environment</i> , 2015, 164, 254-269.	11.0	23
29	Photochemical production of ammonium in the oligotrophic Cyprus Gyre (Eastern Mediterranean). <i>Biogeosciences</i> , 2006, 3, 439-449.	3.3	22
30	Air-sea fluxes of CO ₂ and CH ₄ from the Penlee Point Atmospheric Observatory on the south-west coast of the UK. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5745-5761.	4.9	22
31	Oxygen dynamics in shelf seas sediments incorporating seasonal variability. <i>Biogeochemistry</i> , 2017, 135, 35-47.	3.5	22
32	The fate of phosphate in an in situ Lagrangian addition experiment in the Eastern Mediterranean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2005, 52, 2911-2927.	1.4	21
33	Effects of high CO ₂ on the fixed nitrogen inventory of the Western English Channel. <i>Journal of Plankton Research</i> , 2010, 32, 631-641.	1.8	20
34	Biological and physical forcing of carbonate chemistry in an upwelling filament off northwest Africa: Results from a Lagrangian study. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	4.9	20
35	Uncertainties in eddy covariance air-sea CO ₂ flux measurements and implications for gas transfer velocity parameterisations. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 8089-8110.	4.9	20
36	Underway seawater and atmospheric measurements of volatile organic compounds in the Southern Ocean. <i>Biogeosciences</i> , 2020, 17, 2593-2619.	3.3	19

#	ARTICLE	IF	CITATIONS
37	Carbon monoxide emission from a Mauritanian upwelling filament. <i>Marine Chemistry</i> , 2011, 127, 123-133.	2.3	18
38	Oxygen photolysis in the Mauritanian upwelling: Implications for net community production. <i>Limnology and Oceanography</i> , 2014, 59, 299-310.	3.1	17
39	Insights from year-long measurements of air-sea CH ₄ and CO ₂ exchange in a coastal environment. <i>Biogeosciences</i> , 2019, 16, 961-978.	3.3	17
40	Seasonality and spatial heterogeneity of the surface ocean carbonate system in the northwest European continental shelf. <i>Progress in Oceanography</i> , 2019, 177, 101909.	3.2	16
41	Pteropods are excellent recorders of surface temperature and carbonate ion concentration. <i>Scientific Reports</i> , 2017, 7, 12645.	3.3	14
42	Near-Surface Stratification Due to Ice Melt Biases Arctic Air-Sea CO ₂ Flux Estimates. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095266.	4.0	14
43	Photochemical production and consumption of ammonium in a temperate river-sea system. <i>Marine Chemistry</i> , 2008, 112, 118-127.	2.3	13
44	High Resolution pH Measurements Using a Lab-on-Chip Sensor in Surface Waters of Northwest European Shelf Seas. <i>Sensors</i> , 2018, 18, 2622.	3.8	13
45	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. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	13
46	Determining Atlantic Ocean province contrasts and variations. <i>Progress in Oceanography</i> , 2017, 158, 19-40.	3.2	12
47	Contrasting Estuarine Processing of Dissolved Organic Matter Derived From Natural and Human-Impacted Landscapes. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB007023.	4.9	12
48	Spatio-temporal variability in ammonia oxidation and ammonia-oxidising bacteria and archaea in coastal sediments of the western English Channel. <i>Marine Ecology - Progress Series</i> , 2014, 511, 41-58.	1.9	12
49	Comparing benthic biogeochemistry at a sandy and a muddy site in the Celtic Sea using a model and observations. <i>Biogeochemistry</i> , 2017, 135, 155-182.	3.5	10
50	Wind speed and mesoscale features drive net autotrophy in the South Atlantic Ocean. <i>Remote Sensing of Environment</i> , 2021, 260, 112435.	11.0	10
51	The role of a changing Arctic Ocean and climate for the biogeochemical cycling of dimethyl sulphide and carbon monoxide. <i>Ambio</i> , 2022, 51, 411-422.	5.5	10
52	Characterization of a Time-Domain Dual Lifetime Referencing pCO ₂ Optode and Deployment as a High-Resolution Underway Sensor across the High Latitude North Atlantic Ocean. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	7
53	Nitrous oxide and methane in a changing Arctic Ocean. <i>Ambio</i> , 2022, 51, 398-410.	5.5	6
54	Sensitivity of Modeled CO ₂ Air-Sea Flux in a Coastal Environment to Surface Temperature Gradients, Surfactants, and Satellite Data Assimilation. <i>Remote Sensing</i> , 2020, 12, 2038.	4.0	5

#	ARTICLE	IF	CITATIONS
55	Derivation of seawater $\delta^{13}C_{org}$ from net community production identifies the South Atlantic Ocean as a $\delta^{13}C_{org}$ source. <i>Biogeosciences</i> , 2022, 19, 93-115.	3.3	5
56	Tidal mixing of estuarine and coastal waters in the western English Channel is a control on spatial and temporal variability in seawater $\delta^{13}C_{org}$. <i>Biogeosciences</i> , 2022, 19, 1657-1674.	3.3	5
57	Chapter 10. Methane Biogeochemistry and Carbon Stores in the Arctic Ocean: Hydrates and Permafrost. <i>Issues in Environmental Science and Technology</i> , 0, , 285-300.	0.4	1