

Yuri Artioli

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

2,412
citations

236833

25
h-index

276775

41
g-index

48
all docs

48
docs citations

48
times ranked

3842
citing authors

#	ARTICLE	IF	CITATIONS
1	End-to-End Models for the Analysis of Marine Ecosystems: Challenges, Issues, and Next Steps. <i>Marine and Coastal Fisheries</i> , 2010, 2, 115-130.	0.6	202
2	ERSEM15.06: a generic model for marine biogeochemistry and the ecosystem dynamics of the lower trophic levels. <i>Geoscientific Model Development</i> , 2016, 9, 1293-1339.	1.3	196
3	Vulnerability of coastal ecosystems to changes in harmful algal bloom distribution in response to climate change: projections based on model analysis. <i>Global Change Biology</i> , 2014, 20, 3845-3858.	4.2	184
4	Biomass changes and trophic amplification of plankton in a warmer ocean. <i>Global Change Biology</i> , 2014, 20, 2124-2139.	4.2	176
5	Scaling up experimental ocean acidification and warming research: from individuals to the ecosystem. <i>Global Change Biology</i> , 2015, 21, 130-143.	4.2	148
6	Oceanic controls on the primary production of the northwest European continental shelf: model experiments under recent past conditions and a potential future scenario. <i>Biogeosciences</i> , 2012, 9, 97-117.	1.3	110
7	Assessing risks and mitigating impacts of harmful algal blooms on mariculture and marine fisheries. <i>Reviews in Aquaculture</i> , 2020, 12, 1663-1688.	4.6	101
8	Potential impacts of climate change on the primary production of regional seas: A comparative analysis of five European seas. <i>Progress in Oceanography</i> , 2016, 140, 91-115.	1.5	88
9	How well do ecosystem indicators communicate the effects of anthropogenic eutrophication?. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 82, 583-596.	0.9	87
10	The carbonate system in the North Sea: Sensitivity and model validation. <i>Journal of Marine Systems</i> , 2012, 102-104, 1-13.	0.9	85
11	Nutrient budgets for European seas: A measure of the effectiveness of nutrient reduction policies. <i>Marine Pollution Bulletin</i> , 2008, 56, 1609-1617.	2.3	84
12	Regional adaptation defines sensitivity to future ocean acidification. <i>Nature Communications</i> , 2017, 8, 13994.	5.8	78
13	Carbon on the Northwest European Shelf: Contemporary Budget and Future Influences. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	70
14	Modeling the carbon fluxes of the northwest European continental shelf: Validation and budgets. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	67
15	Trophic network model of the Northern Adriatic Sea: Analysis of an exploited and eutrophic ecosystem. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 83, 577-590.	0.9	61
16	Modelling nutrient emissions from river systems and loads to the coastal zone: Po River case study, Italy. <i>Ecological Modelling</i> , 2005, 184, 37-53.	1.2	56
17	Estimating the ecological, economic and social impacts of ocean acidification and warming on UK fisheries. <i>Fish and Fisheries</i> , 2017, 18, 389-411.	2.7	53
18	Tidal downwelling and implications for the carbon biogeochemistry of cold-water corals in relation to future ocean acidification and warming. <i>Global Change Biology</i> , 2013, 19, 2708-2719.	4.2	51

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19	Defining and modelling the coastal zone affected by the Po river (Italy). <i>Ecological Modelling</i> , 2005, 184, 55-68.	1.2	48
20	Harmful algal blooms: the impacts on cultural ecosystem services and human well-being in a case study setting, Cornwall, UK. <i>Marine Policy</i> , 2018, 97, 232-238.	1.5	46
21	Heterogeneity of impacts of high CO ₂ on the North Western European Shelf. <i>Biogeosciences</i> , 2014, 11, 601-612.	1.3	42
22	Modelling the combined impacts of climate change and direct anthropogenic drivers on the ecosystem of the northwest European continental shelf. <i>Journal of Marine Systems</i> , 2015, 152, 51-63.	0.9	42
23	Assimilation of Ocean Color Plankton Functional Types to Improve Marine Ecosystem Simulations. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 834-854.	1.0	38
24	Modelling Marine Sediment Biogeochemistry: Current Knowledge Gaps, Challenges, and Some Methodological Advice for Advancement. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	36
25	Monitoring of offshore geological carbon storage integrity: Implications of natural variability in the marine system and the assessment of anomaly detection criteria. <i>International Journal of Greenhouse Gas Control</i> , 2017, 64, 99-112.	2.3	29
26	Climate-Driven Change in the North Atlantic and Arctic Oceans Can Greatly Reduce the Circulation of the North Sea. <i>Geophysical Research Letters</i> , 2018, 45, 11,827.	1.5	26
27	Modelling Dispersion of CO ₂ Plumes in Sea Water as an Aid to Monitoring and Understanding Ecological Impact. <i>Energy Procedia</i> , 2013, 37, 3379-3386.	1.8	25
28	Modelling impacts and recovery in benthic communities exposed to localised high CO ₂ . <i>Marine Pollution Bulletin</i> , 2016, 109, 267-280.	2.3	22
29	Stakeholder perspectives on the importance of water quality and other constraints for sustainable mariculture. <i>Environmental Science and Policy</i> , 2020, 114, 506-518.	2.4	20
30	Impacts of land use on water quality and the viability of bivalve shellfish mariculture in the UK: A case study and review for SW England. <i>Environmental Science and Policy</i> , 2021, 126, 122-131.	2.4	19
31	Placing biodiversity in ecosystem models without getting lost in translation. <i>Journal of Sea Research</i> , 2015, 98, 83-90.	0.6	17
32	Controls on near-bed oxygen concentration on the Northwest European Continental Shelf under a potential future climate scenario. <i>Progress in Oceanography</i> , 2020, 187, 102400.	1.5	13
33	Improving pacific oyster (<i>Crassostrea gigas</i> , Thunberg, 1793) production in Mediterranean coastal lagoons: Validation of the growth model "ShellSIM" on traditional and novel farming methods. <i>Aquaculture</i> , 2020, 516, 734612.	1.7	10
34	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.	2.8	10
35	Optimising environmental monitoring for carbon dioxide sequestered offshore. <i>International Journal of Greenhouse Gas Control</i> , 2021, 110, 103397.	2.3	9
36	What can ecosystem models tell us about the risk of eutrophication in the North Sea?. <i>Climatic Change</i> , 2015, 132, 111-125.	1.7	8

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37	Harmful Algal Blooms and their impacts on shellfish mariculture follow regionally distinct patterns of water circulation in the western English Channel during the 2018 heatwave. <i>Harmful Algae</i> , 2022, 111, 102166.	2.2	7
38	Nitrous oxide and methane in a changing Arctic Ocean. <i>Ambio</i> , 2022, 51, 398-410.	2.8	6
39	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.	1.8	5
40	Modeling the Seasonality and Controls of Nitrous Oxide Emissions on the Northwest European Continental Shelf. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005613.	1.3	4
41	Climatic Controls on the Spring Phytoplankton Growing Season in a Temperate Shelf Sea. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	1
42	Regional Modelling to Inform the Design of Sub-Sea CO ₂ Storage Monitoring Networks. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0