

Tomohiro Kuwae

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8640275/publications.pdf>

Version: 2024-02-01

74
papers

2,040
citations

304743

22
h-index

254184

43
g-index

83
all docs

83
docs citations

83
times ranked

2121
citing authors

#	ARTICLE	IF	CITATIONS
1	Implementation of Japanese Blue Carbon Offset Crediting Projects. Structure and Function of Mountain Ecosystems in Japan, 2022, , 353-377.	0.5	2
2	Biofilm and invertebrate consumption by western sandpipers (<i>Calidris mauri</i>) and dunlin (<i>Calidris alpina</i>) during spring migratory stopover: insights from tissue and breath CO ₂ isotopic (¹³ C, ¹⁵ N) analyses. , 2022, 10, coac006.		5
3	Implementation of blue carbon offset crediting for seagrass meadows, macroalgal beds, and macroalgae farming in Japan. Marine Policy, 2022, 138, 104996.	3.2	33
4	Drivers of inorganic carbon dynamics and air-water CO ₂ fluxes in two large tropical estuaries: Insights from coupled radon (²²² Rn) and CO ₂ surveys. Limnology and Oceanography, 2022, 67, .	3.1	5
5	New possibilities for climate change countermeasures in ports: Organic carbon containment and creation of blue carbon ecosystems through beneficial utilization of dredged soil. Marine Policy, 2022, 141, 105072.	3.2	9
6	Lateral carbon fluxes and CO ₂ evasion from a subtropical mangrove-seagrass-coral continuum. Science of the Total Environment, 2021, 752, 142190.	8.0	38
7	Age- and sex-related dietary specialization facilitate seasonal resource partitioning in a migratory shorebird. Ecology and Evolution, 2021, 11, 1866-1876.	1.9	8
8	Improvement of the coral growth and cost-effectiveness of hybrid infrastructure by an innovative breakwater design in Naha Port, Okinawa, Japan. Coastal Engineering Journal, 2021, 63, 248-262.	1.9	1
9	Low CO ₂ evasion rate from the mangrove-surrounding waters of the Sundarbans. Biogeochemistry, 2021, 153, 95-114.	3.5	10
10	Green port structures and their ecosystem services in highly urbanized Japanese bays. Coastal Engineering Journal, 2021, 63, 310-322.	1.9	12
11	Global Trends in Air-Water CO ₂ Exchange Over Seagrass Meadows Revealed by Atmospheric Eddy Covariance. Global Biogeochemical Cycles, 2021, 35, e2020GB006848.	4.9	13
12	Reduction in Riverine Freshwater Supply Changes Inorganic and Organic Carbon Dynamics and Air-Water CO ₂ Fluxes in a Tropical Mangrove Dominated Estuary. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG006144.	3.0	13
13	Contribution of Biological Effects to Carbonate System Variations and the Air-Water CO ₂ Flux in Urbanized Bays in Japan. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016974.	2.6	10
14	Linking climate change mitigation and adaptation through coastal green-gray infrastructure: a perspective. Coastal Engineering Journal, 2021, 63, 188-199.	1.9	16
15	An unintended ecological benefit from human intervention: The enhancement of carbon storage in seagrass meadows. Journal of Applied Ecology, 2021, 58, 2441.	4.0	4
16	A comparative method for evaluating ecosystem services from the viewpoint of public works. Ocean and Coastal Management, 2021, 212, 105848.	4.4	5
17	Seagrass contributes substantially to the sedimentary lignin pool in an estuarine seagrass meadow. Science of the Total Environment, 2021, 793, 148488.	8.0	10
18	Special issue on coastal blue carbon and green infrastructure. Coastal Engineering Journal, 2021, 63, 187-187.	1.9	1

#	ARTICLE	IF	CITATIONS
19	Seven ecological and technical attributes for biofilm-based recovery of shorebird populations in intertidal flat ecosystems. <i>Ecological Solutions and Evidence</i> , 2021, 2, .	2.0	4
20	Benthic Filtering Reduces the Abundance of Primary Producers in the Bottom Water of an Open Sandy Beach System (Kashimanada Coast, Japan). <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085338.	4.0	7
21	Integration of Submerged Aquatic Vegetation Motion Within Hydrodynamic Models. <i>Water Resources Research</i> , 2020, 56, e2020WR027369.	4.2	21
22	Macroalgal metabolism and lateral carbon flows can create significant carbon sinks. <i>Biogeosciences</i> , 2020, 17, 2425-2440.	3.3	72
23	Spatial and seasonal impacts of submerged aquatic vegetation (SAV) drag force on hydrodynamics in shallow waters. <i>Journal of Marine Systems</i> , 2020, 209, 103373.	2.1	11
24	ESTIMATION METHOD FOR ECOSYSTEM SERVICES OF FOOD PROVISION IN TIDAL FLATS AND SEAGRASS BEDS. <i>Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering)</i> , 2020, 76, I_973-I_978.	0.4	1
25	SEASONAL CHANGES IN ENVIRONMENTAL DNA IN SEAGRASS BEDS AND EXAMINATION OF WATER SAMPLING PROCEDURE. <i>Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering)</i> , 2020, 76, I_943-I_948.	0.4	0
26	The future of Blue Carbon science. <i>Nature Communications</i> , 2019, 10, 3998.	12.8	406
27	Role of carbonate burial in Blue Carbon budgets. <i>Nature Communications</i> , 2019, 10, 1106.	12.8	105
28	The Future of Blue Carbon: Addressing Global Environmental Issues. , 2019, , 347-373.		7
29	CO2 Fluxes in Mangrove Ecosystems. , 2019, , 185-221.		1
30	CO2 Uptake in the Shallow Coastal Ecosystems Affected by Anthropogenic Impacts. , 2019, , 295-319.		6
31	Air-water CO2 Flux in Shallow Coastal Waters: Theory, Methods, and Empirical Studies. , 2019, , 153-184.		5
32	Relative sea-level change regulates organic carbon accumulation in coastal habitats. <i>Global Change Biology</i> , 2019, 25, 1063-1077.	9.5	23
33	Biotransport of metallic trace elements from marine to terrestrial ecosystems by seabirds. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 106-114.	4.3	12
34	NATIONWIDE ESTIMATE OF THE ANNUAL UPTAKE OF ATMOSPHERIC CARBON DIOXIDE BY SHALLOW COASTAL ECOSYSTEMS IN JAPAN. <i>Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering)</i> , 2019, 75, 10-20.	0.4	10
35	EFFECT OF WATER VELOCITY THROUGH CAISSON JOINTS ON THE CORAL DISTRIBUTION ON BREAKWATERS. <i>Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering)</i> , 2019, 75, I_1147-I_1152.	0.4	1
36	Method for the quantitative evaluation of ecosystem services in coastal regions. <i>PeerJ</i> , 2019, 6, e6234.	2.0	9

#	ARTICLE	IF	CITATIONS
37	The seasonal trophic link between Great Cormorant <i>Phalacrocorax carbo</i> and ayu <i>Plecoglossus altivelis altivelis</i> reared for mass release. <i>Ecological Research</i> , 2018, 33, 935-948.	1.5	3
38	Contributions of the direct supply of belowground seagrass detritus and trapping of suspended organic matter to the sedimentary organic carbon stock in seagrass meadows. <i>Biogeosciences</i> , 2018, 15, 4033-4045.	3.3	17
39	Improved Post-processing of Eddy-Covariance Data to Quantify Atmosphere–Aquatic Ecosystem CO ₂ Exchanges. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	3
40	Nitrogen fluxes between the ocean and a river basin using stable isotope analysis. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 212, 286-293.	2.1	5
41	Modeling a coastal ecosystem to estimate climate change mitigation and a model demonstration in Tokyo Bay. <i>Ecological Modelling</i> , 2018, 384, 261-289.	2.5	24
42	DEVELOPMENT OF A SEAGRASS MODEL IN WAVES AND UNIDIRECTIONAL CURRENTS. <i>Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering)</i> , 2018, 74, 1_31-1_36.	0.4	1
43	Effects of watershed land-cover on the biogeochemical properties of estuarine tidal flat sediments: A test in a densely-populated subtropical island. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 184, 207-213.	2.1	4
44	EELGRASS MODEL CONSIDERING INTERACTION WITH FLOW FIELD. <i>Journal of Japan Society of Civil Engineers Ser B3 (Ocean Engineering)</i> , 2017, 73, 1_821-1_826.	0.3	5
45	A comparison of CO ₂ dynamics and air–water fluxes in a river–dominated estuary and a mangrove–dominated marine estuary. <i>Geophysical Research Letters</i> , 2016, 43, 11,726.	4.0	52
46	Blue carbon in human-dominated estuarine and shallow coastal systems. <i>Ambio</i> , 2016, 45, 290-301.	5.5	51
47	Feather mercury concentration in streaked shearwaters wintering in separate areas of southeast Asia. <i>Marine Ecology - Progress Series</i> , 2016, 546, 263-269.	1.9	11
48	EVALUATION OF THE COASTAL PROTECT FUNCTION AND THE PORT FUNCTION OF TIDAL FLATS IN TOKYO BAY. <i>Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering)</i> , 2015, 71, 1_1651-1_1656.	0.4	1
49	Radiocarbon isotopic evidence for assimilation of atmospheric CO ₂ by the seagrass <i>Zostera marina</i> . <i>Biogeosciences</i> , 2015, 12, 6251-6258.	3.3	28
50	Total alkalinity flux in coral reefs estimated from eddy covariance and sediment pore-water profiles. <i>Limnology and Oceanography</i> , 2015, 60, 229-241.	3.1	16
51	How organic carbon derived from multiple sources contributes to carbon sequestration processes in a shallow coastal system?. <i>Global Change Biology</i> , 2015, 21, 2612-2623.	9.5	119
52	Biofilm Consumption and Variable Diet Composition of Western Sandpipers (<i>Calidris mauri</i>) during Migratory Stopover. <i>PLoS ONE</i> , 2015, 10, e0124164.	2.5	32
53	Seed dispersal in the seagrass <i>Zostera marina</i> is mostly within the parent bed in a protected bay. <i>Marine Ecology - Progress Series</i> , 2015, 523, 41-56.	1.9	24
54	Migratory movements of rhinoceros auklets in the northwestern Pacific: connecting seasonal productivities. <i>Marine Ecology - Progress Series</i> , 2015, 525, 229-243.	1.9	15

#	ARTICLE	IF	CITATIONS
55	Net uptake of atmospheric CO_2 by coastal submerged aquatic vegetation. <i>Global Change Biology</i> , 2014, 20, 1873-1884.	9.5	103
56	Ecological geotechnics: Role of waterfront geoenvironment as habitats in the activities of crabs, bivalves, and birds for biodiversity restoration. <i>Soils and Foundations</i> , 2013, 53, 246-258.	3.1	7
57	CHARACTERISTICS OF NITROGEN AND PHOSPHORUS BUDGETS AT A TIDAL FLAT IN TOKYO PORT WILD BIRD PARK. <i>Journal of Japan Society of Civil Engineers</i> , 2013, 1, 145-161.	0.2	1
58	Variable and complex food web structures revealed by exploring missing trophic links between birds and biofilm. <i>Ecology Letters</i> , 2012, 15, 347-356.	6.4	102
59	Burrowing Criteria and Burrowing Mode Adjustment in Bivalves to Varying Geoenvironmental Conditions in Intertidal Flats and Beaches. <i>PLoS ONE</i> , 2011, 6, e25041.	2.5	49
60	Factors Affecting Leachability Test Results for Sediment PCDDs/DFs and Co-PCBs. <i>Journal of Japan Society on Water Environment</i> , 2010, 33, 87-96.	0.4	0
61	Transport and deposition of macrophytes to the dysphotic bottom of coastal waters. <i>Aquatic Botany</i> , 2010, 92, 289-293.	1.6	3
62	Foraging mode shift in varying environmental conditions by dunlin <i>Calidris alpina</i> . <i>Marine Ecology - Progress Series</i> , 2010, 406, 281-289.	1.9	48
63	Increasing temperature induces shorter leaf life span in an aquatic plant. <i>Oikos</i> , 2009, 118, 1158-1163.	2.7	13
64	A benthic-pelagic coupled ecosystem model to estimate the hypoxic estuary including tidal flat Model description and validation of seasonal/daily dynamics. <i>Ecological Modelling</i> , 2008, 215, 10-39.	2.5	70
65	BIOFILM GRAZING IN A HIGHER VERTEBRATE: THE WESTERN SANDPIPER, <i>Calidris mauri</i> . <i>Ecology</i> , 2008, 89, 599-606.	3.2	112
66	Role of Waterfront Geoenvironments in the Relationships between Birds, Sediments and Benthos. <i>Proceedings of Coastal Engineering Jsce</i> , 2008, 55, 1171-1175.	0.1	0
67	Oxygen Consumption Flux Across the Sediment. <i>Proceedings of Coastal Engineering Jsce</i> , 2008, 55, 1001-1005.	0.1	0
68	Oxygen Consumption Mechanism in the Benthic Ecosystem of Tokyo Bay. <i>Proceedings of Coastal Engineering Jsce</i> , 2008, 55, 1206-1210.	0.1	1
69	Oxygen exchange flux between sediment and water in an intertidal sandflat, measured in situ by the eddy-correlation method. <i>Marine Ecology - Progress Series</i> , 2006, 307, 59-68.	1.9	55
70	Title is missing!. <i>Proceedings of Civil Engineering in the Ocean</i> , 2004, 20, 323-328.	0.0	0
71	Effect of emersion and immersion on the porewater nutrient dynamics of an intertidal sandflat in Tokyo Bay. <i>Estuarine, Coastal and Shelf Science</i> , 2003, 57, 929-940.	2.1	61
72	Determination of Abundance and Biovolume of Bacteria in Sediments by Dual Staining with 4',6-Diamidino-2-Phenylindole and Acridine Orange: Relationship to Dispersion Treatment and Sediment Characteristics. <i>Applied and Environmental Microbiology</i> , 1999, 65, 3407-3412.	3.1	84

#	ARTICLE	IF	CITATIONS
73	Dissolved inorganic nitrogen cycling in Banzu intertidal sand-flat, Japan. <i>Mangroves and Salt Marshes</i> , 1998, 2, 167-175.	0.6	23
74	Small Shorebirds Feast On Green Slime To Fuel Their Long Migration. <i>Frontiers for Young Minds</i> , 0, 9, .	0.8	0