Atsuhiko Isobe

List of Publications by Year
in descending order

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Version: 2024-02-01

91	5,213	117571	88593
papers	citations	34 h-index	70 g-index

92	92	92	3908
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The physical oceanography of the transport of floating marine debris. Environmental Research Letters, 2020, 15, 023003.	2.2	469
2	East Asian seas: A hot spot of pelagic microplastics. Marine Pollution Bulletin, 2015, 101, 618-623.	2.3	335
3	Selective transport of microplastics and mesoplastics by drifting in coastal waters. Marine Pollution Bulletin, 2014, 89, 324-330.	2.3	326
4	Abundance of non-conservative microplastics in the upper ocean from 1957 to 2066. Nature Communications, 2019, 10, 417.	5.8	288
5	Microplastics in the Southern Ocean. Marine Pollution Bulletin, 2017, 114, 623-626.	2.3	287
6	A numerical study on the Changjiang diluted water in the Yellow and East China Seas. Journal of Geophysical Research, 2003, 108, .	3.3	252
7	Horizontal and Vertical Distribution of Microplastics in Korean Coastal Waters. Environmental Science & Technology, 2018, 52, 12188-12197.	4.6	218
8	Recent advances in ocean-circulation research on the Yellow Sea and East China Sea shelves. Journal of Oceanography, 2008, 64, 569-584.	0.7	204
9	Toward the Integrated Marine Debris Observing System. Frontiers in Marine Science, 2019, 6, .	1.2	178
10	An inshoreâ€“offshore sorting system revealed from global classification of ocean litter. Nature Sustainability, 2021, 4, 484-493.	11.5	178
11	Using Numerical Model Simulations to Improve the Understanding of Micro-plastic Distribution and Pathways in the Marine Environment. Frontiers in Marine Science, 2017, 4, .	1.2	157
12	Fate of microplastics and mesoplastics carried by surface currents and wind waves: A numerical model approach in the Sea of Japan. Marine Pollution Bulletin, 2017, 121, 85-96.	2.3	138
13	On the origin of the Tsushima Warm Current and its seasonality. Continental Shelf Research, 1999, 19, 117-133.	0.9	128
14	Quantification of Toxic Metals Derived from Macroplastic Litter on Ookushi Beach, Japan. Environmental Science & Technology, 2012, 46, 10099-10105.	4.6	128
15	Freshwater and temperature transports through the Tsushima-Korea Straits. Journal of Geophysical Research, 2002, 107, 2-1.	3.3	115
16	Percentage of microbeads in pelagic microplastics within Japanese coastal waters. Marine Pollution Bulletin, 2016, 110, 432-437.	2.3	96
17	A multilevel dataset of microplastic abundance in the worldâ€™s upper ocean and the Laurentian Great Lakes. Microplastics and Nanoplastics, 2021, 1, .	4.1	80
18	An interlaboratory comparison exercise for the determination of microplastics in standard sample bottles. Marine Pollution Bulletin, 2019, 146, 831-837.	2.3	79

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19	Seasonal variability in the Tsushima Warm Current, Tsushima-Korea Strait. Continental Shelf Research, 1994, 14, 23-35.	0.9	74
20	Sequential monitoring of beach litter using webcams. Marine Pollution Bulletin, 2010, 60, 775-779.	2.3	71
21	A decadal prediction of the quantity of plastic marine debris littered on beaches of the East Asian marginal seas. Marine Pollution Bulletin, 2014, 81, 174-184.	2.3	66
22	Using aerial photography and in situ measurements to estimate the quantity of macro-litter on beaches. Marine Pollution Bulletin, 2011, 62, 762-769.	2.3	65
23	Two-Way Particle-Tracking Model for Specifying Sources of Drifting Objects: Application to the East China Sea Shelf. Journal of Atmospheric and Oceanic Technology, 2009, 26, 1672-1682.	0.5	62
24	Ballooning of River-Plume Bulge and Its Stabilization by Tidal Currents. Journal of Physical Oceanography, 2005, 35, 2337-2351.	0.7	53
25	An estimate of the cross-frontal transport at the shelf break of the East China Sea with the Finite Volume Coastal Ocean Model. Journal of Geophysical Research, 2006, 111, .	3.3	47
26	The fate of missing ocean plastics: Are they just a marine environmental problem?. Science of the Total Environment, 2022, 825, 153935.	3.9	47
27	Establishment of numerical beach-litter hindcast/forecast models: An application to Goto Islands, Japan. Marine Pollution Bulletin, 2011, 62, 293-302.	2.3	43
28	The potential of oceanic transport and onshore leaching of additive-derived lead by marine macro-plastic debris. Marine Pollution Bulletin, 2016, 107, 333-339.	2.3	41
29	Mesh selectivity of neuston nets for microplastics. Marine Pollution Bulletin, 2021, 165, 112111.	2.3	41
30	Low altitude remote-sensing method to monitor marine and beach litter of various colors using a balloon equipped with a digital camera. Marine Pollution Bulletin, 2012, 64, 1156-1162.	2.3	40
31	Seasonal variability of the barotropic and baroclinic motion in the Tsushima-Korea Strait. Journal of Oceanography, 1994, 50, 223-238.	0.7	39
32	Intrusion of less saline shelf water into the Kuroshio subsurface layer in the East China Sea. Journal of Oceanography, 2004, 60, 853-863.	0.7	37
33	Longâ€distance nutrientâ€transport process in the Changjiang river plume on the East China Sea shelf in summer. Journal of Geophysical Research, 2008, 113, .	3.3	37
34	Inverse estimation of drifting-object outflows using actual observation data. Journal of Oceanography, 2010, 66, 291-297.	0.7	37
35	Quantification of marine macro-debris abundance around Vancouver Island, Canada, based on archived aerial photographs processed by projective transformation. Marine Pollution Bulletin, 2018, 132, 44-51.	2.3	37
36	Two-Layer Model on the Branching of the Kuroshio Southwest of Kyushu, Japan. Journal of Physical Oceanography, 2000, 30, 2461-2476.	0.7	33

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37	Annual Variation of the Kuroshio Transport in a Two-Layer Numerical Model with a Ridge. Journal of Physical Oceanography, 2002, 32, 994-1009.	0.7	33
38	Title is missing!. Journal of Oceanography, 1999, 55, 185-195.	0.7	32
39	Operational Data Assimilation System for the Kuroshio South of Japan: Reanalysis and Validation. Journal of Oceanography, 2004, 60, 303-312.	0.7	32
40	Marine Litter Windrows: A Strategic Target to Understand and Manage the Ocean Plastic Pollution. Frontiers in Marine Science, 2021, 8, .	1.2	31
41	Summer behavior of the Changjiang diluted water to the East/Japan Sea: A modeling study in 2003. Continental Shelf Research, 2014, 81, 7-18.	0.9	30
42	Sequential webcam monitoring and modeling of marine debris abundance. Marine Pollution Bulletin, 2018, 132, 33-43.	2.3	30
43	High-resolution ASCAT wind vector data set gridded by applying an optimum interpolation method to the global ocean. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	28
44	Impact of Changjiang River Discharge on Sea Surface Temperature in the East China Sea. Journal of Physical Oceanography, 2016, 46, 1735-1750.	0.7	28
45	Application of finite volume coastal ocean model to hindcasting the wind-induced sea-level variation in Fukuoka bay. Journal of Oceanography, 2007, 63, 333-339.	0.7	27
46	The determinant of the volume transport distribution of the Tsushima Warm Current around the Tsushima/Korea Straits. Continental Shelf Research, 1997, 17, 319-336.	0.9	25
47	Atmosphere and Marginal-Sea Interaction Leading to an Interannual Variation in Cold-Air Outbreak Activity over the Japan Sea. Journal of Climate, 2007, 20, 5707-5714.	1.2	25
48	Thermohaline front at the mouth of Tokyo Bay in winter. Continental Shelf Research, 1989, 9, 77-91.	0.9	22
49	Microplastics on plankton samples: Multiple digestion techniques assessment based on weight, size, and FTIR spectroscopy analyses. Marine Pollution Bulletin, 2021, 173, 113027.	2.3	22
50	The Circulation in the Upper and Intermediate Layers of the South China Sea. Journal of Oceanography, 2001, 57, 93-104.	0.7	20
51	â€œHot Spotsâ€•in the climate systemâ€”new developments in the extratropical oceanâ€“atmosphere interaction research: a short review and an introduction. Journal of Oceanography, 2015, 71, 463-467.	0.7	20
52	Hindcast and predictability of sporadic Kuroshioâ€•water intrusion (kyucho in the Bungo Channel) into the shelf and coastal waters. Journal of Geophysical Research, 2010, 115, .	3.3	19
53	Title is missing!. Journal of Oceanography, 2001, 57, 235-249.	0.7	18
54	Fortnightly atmospheric tides forced by spring and neap tides in coastal waters. Scientific Reports, 2015, 5, 10167.	1.6	16

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55	Ensemble numerical forecasts of the sporadic Kuroshio water intrusion (kyucho) into shelf and coastal waters. Ocean Dynamics, 2012, 62, 633-644.	0.9	14
56	The influence of the bottom cold water on the seasonal variability of the Tsushima warm current. Continental Shelf Research, 1995, 15, 763-777.	0.9	12
57	Intrusion of Kuroshio-Derived bottom cold water into Osaka Bay and its possible cause. Journal of Oceanography, 2010, 66, 191-199.	0.7	12
58	A Combined Balloon Photography and Buoy-Tracking Experiment for Mapping Surface Currents in Coastal Waters. Journal of Atmospheric and Oceanic Technology, 2016, 33, 1237-1250.	0.5	12
59	Interannual Variation of Freshwater in the Yellow and East China Seas: Roles of the Changjiang Discharge and Wind Forcing. Journal of Oceanography, 2005, 61, 817-834.	0.7	11
60	Technical issues in modeling surface-drifter behavior on the East China Sea shelf. Journal of Oceanography, 2010, 66, 161-174.	0.7	11
61	Tidally Induced Instability Processes Suppressing River Plume Spread in a Nonrotating and Nonhydrostatic Regime. Journal of Geophysical Research: Oceans, 2018, 123, 3545-3562.	1.0	11
62	Seasonal variation of the vertically averaged flow caused by the Jebar effect in the Tsushima Strait. Journal of Oceanography, 1994, 50, 617-633.	0.7	10
63	Atmosphereâ€“Ocean Coupled Process along Coastal Areas of the Yellow and East China Seas in Winter. Journal of Climate, 2014, 27, 155-167.	1.2	10
64	Numerical study of tidal front with varying sharpness in spring and neap tidal cycle. Journal of Oceanography, 2006, 62, 801-810.	0.7	9
65	Reliability of ADCP data detided with a numerical model on the East China Sea shelf. Journal of Oceanography, 2007, 63, 135-141.	0.7	9
66	Current Structure and Behavior of the River Plume in Suo-Nada. Journal of Oceanography, 2003, 59, 833-843.	0.7	8
67	Driving Mechanism of Band Structure of Mean Current over the Continental Shelf. Journal of Physical Oceanography, 2004, 34, 1839-1855.	0.7	8
68	Decadal Vision in Oceanography (I). Oceanography in Japan, 2013, 22, 191-218.	0.5	8
69	A Role of the Yellow and East China Seas in the Development of Extratropical Cyclones in Winter. Journal of Climate, 2012, 25, 8328-8340.	1.2	7
70	Transient and local weakening of surface winds observed above the Kuroshio front in the winter East China Sea. Journal of Geophysical Research D: Atmospheres, 2014, 119, 1277-1291.	1.2	7
71	Paleoâ€ocean Destratification Triggered by the Subduction of the Oyashio Water Into the Sea of Japan After the Last Glacial Maximum. Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003593.	1.3	7
72	Low-Frequency Temperature Variability at Fukue Island Located Southwest of the Tsushima Straits. Journal of Oceanography, 2000, 56, 141-152.	0.7	6

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73	Seasonality of the Kuroshio Transport Revealed in a Kuroshio Assimilation System. Journal of Oceanography, 2004, 60, 321-328.	0.7	6
74	Favorable conditions for cold-water intrusion from the Kuroshio intermediate layer into Osaka Bay. Journal of Oceanography, 2011, 67, 149-158.	0.7	6
75	Circulation and Material Transport in Suo-Nada during Spring and Summer. Journal of Oceanography, 2002, 58, 759-773.	0.7	5
76	Numerical study of the summer temperature decrease induced by the enhancement of estuarine circulation in Fukuoka Bay. Journal of Oceanography, 2006, 62, 207-217.	0.7	5
77	Lagrangian H/U3 Values Computed around Fronts Using a Fine-Resolution Numerical Model and Ferryboat-Monitored SST Dataset. Journal of Physical Oceanography, 2008, 38, 2575-2586.	0.7	5
78	Seasonal Variability in Circulation Pattern and Residence Time of Suo-Nada. Journal of Oceanography, 2003, 59, 259-277.	0.7	4
79	Intensification of the subpolar front in the Sea of Japan during winter cyclones. Journal of Geophysical Research: Oceans, 2016, 121, 2253-2267.	1.0	4
80	Intrusion of Less Saline Shelf Water into the Kuroshio Subsurface Layer in the East China Sea. Journal of Oceanography, 2004, 60, 853-863.	0.7	4
81	Introduction to Special Section: Kuroshio Observation, State Estimation and Prediction. Journal of Oceanography, 2004, 60, 265-268.	0.7	3
82	Long-term Variations of Water Temperature in Fukuoka Bay and Their Possible Cause. Oceanography in Japan, 2005, 14, 399-409.	0.5	3
83	Generation Mechanism of Thermohaline Front in Shelf Sea. Geospatial Technology and the Role of Location in Science, 1992, , 11-33.	0.2	3
84	Synoptic-Scale Atmospheric Motions Modulated by Spring Phytoplankton Bloom in the Sea of Japan. Journal of Climate, 2014, 27, 7587-7602.	1.2	2
85	Modulation of Extratropical Cyclones by Previous Cyclones via the Sea Surface Temperature Anomaly Over the Sea of Japan in Winter. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6312-6330.	1.2	2
86	Editorial: Marine Litter Windrows. Frontiers in Marine Science, 2022, 8, .	1.2	2
87	â€œHot Spotsâ€•in the Climate System. , 2016, , .		1
88	Abundance of non-conservative microplastics in the upper ocean from 1957 to 2066. Nature Communications, 2019, 10, .	5.8	1
89	Occurrence, Transport, and Fate of Marine Plastic Debris. Material Cycles and Waste Management Research, 2018, 29, 270-277.	0.0	1
90	The dependence of precipitation on wind direction over the Kuroshio front in the winter East China Sea. Journal of Oceanography, 2016, 72, 687-696.	0.7	0

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91	From the Viewpoint of Marine Environmental Problems: Marine Plastic Pollution. Trends in the Sciences, 2021, 26, 1_48-1_50.	0.0	0