Hongsheng Bi

List of Publications by Year in descending order

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43 papers	701 citations	623188 14 h-index	610482 24 g-index
43 all docs	43 docs citations	43 times ranked	867 citing authors

#	Article	IF	Citations
1	Transport and coastal zooplankton communities in the northern California Current system. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	56
2	A Semi-Automated Image Analysis Procedure for In Situ Plankton Imaging Systems. PLoS ONE, 2015, 10, e0127121.	1.1	51
3	Copepods and salmon: characterizing the spatial distribution of juvenile salmon along the Washington and Oregon coast, USA. Fisheries Oceanography, 2011, 20, 125-138.	0.9	44
4	Enhanced convolutional neural network for plankton identification and enumeration. PLoS ONE, 2019, 14, e0219570.	1.1	42
5	Responses of benthic foraminifera to the 2011 oil spill in the Bohai Sea, PR China. Marine Pollution Bulletin, 2015, 96, 245-260.	2.3	41
6	Deployment of an imaging system to investigate fine-scale spatial distribution of early life stages of the ctenophore Mnemiopsis leidyi in Chesapeake Bay. Journal of Plankton Research, 2013, 35, 270-280.	0.8	35
7	Modeling the pelagic habitat of salmon off the Pacific Northwest (USA) coast using logistic regression. Marine Ecology - Progress Series, 2007, 336, 249-265.	0.9	35
8	Detecting a nearshore fish parade using the adaptive resolution imaging sonar (ARIS): An automated procedure for data analysis. Fisheries Research, 2017, 191, 190-199.	0.9	33
9	Spatial distribution of ocean habitat of yearling Chinook (Oncorhynchus tshawytscha) and coho (Oncorhynchus kisutch) salmon off Washington and Oregon, USA. Fisheries Oceanography, 2008, 17, 463-476.	0.9	23
10	Large-scale forcing of environmental conditions on subarctic copepods in the northern California Current system. Progress in Oceanography, 2015, 134, 404-412.	1.5	21
11	Human impacts and changes in the coastal waters of south China. Science of the Total Environment, 2016, 562, 108-114.	3.9	21
12	Physical processes leading to the development of an anomalously large Cochlodinium polykrikoides bloom in the East sea/Japan sea. Harmful Algae, 2016, 55, 250-258.	2.2	21
13	Early warning of Noctiluca scintillans blooms using in-situ plankton imaging system: An example from Dapeng Bay, P.R. China. Ecological Indicators, 2020, 112, 106123.	2.6	21
14	Nutrient bioextraction and microalgae growth inhibition using submerged macrophyte Myriophyllum spicatum in a low salinity area of East China Sea. Marine Pollution Bulletin, 2018, 127, 67-72.	2.3	17
15	Sonar imaging surveys fill data gaps in forage fish populations in shallow estuarine tributaries. Fisheries Research, 2020, 226, 105520.	0.9	16
16	Decadal Changes in Zooplankton of the Northeast U.S. Continental Shelf. PLoS ONE, 2014, 9, e87720.	1.1	15
17	Growth and nutrient uptake of Gracilaria lemaneiformis under different nutrient conditions with implications for ecosystem services: A case study in the laboratory and in an enclosed mariculture area in the East China Sea. Aquatic Botany, 2019, 153, 73-80.	0.8	15
18	Interannual sea level variability in the Pearl River Estuary and its response to El NiÃ±oâ€“Southern Oscillation. Global and Planetary Change, 2018, 162, 163-174.	1.6	14

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19	Estimating copepod stage-specific mortality rates in open ocean waters: a case study from the northern Gulf of Mexico, USA. Marine Ecology - Progress Series, 2011, 427, 145-159.	0.9	14
20	Spatial variations in the distribution of yearling spring Chinook salmon off Washington and Oregon using COZIGAM analysis. Marine Ecology - Progress Series, 2012, 465, 253-265.	0.9	14
21	N/P ratio of nutrient uptake in the Baltic Sea. Ocean Science, 2011, 7, 693-704.	1.3	13
22	Trends in Relative Abundance and Early Life Survival of Atlantic Menhaden during 1977â€“2013 from Long-Term Ichthyoplankton Programs. Transactions of the American Fisheries Society, 2016, 145, 1139-1151.	0.6	13
23	Predominant factors of disaster caused by tropical cyclones in South China coast and implications for early warning systems. Science of the Total Environment, 2020, 726, 138556.	3.9	13
24	Egg production rates and stage-specific development times of Clausocalanus furcatus (Copepoda,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	11
25	Distribution and controlling factors of phytoplankton assemblages associated with mariculture in an eutrophic enclosed bay in the East China Sea. Acta Oceanologica Sinica, 2018, 37, 102-112.	0.4	11
26	A field scale evaluation of Gracilaria lemaneiformis co-cultured with Crassostrea gigas as a nutrient bioextraction strategy in Yantian Bay, China. Algal Research, 2019, 38, 101407.	2.4	9
27	Dynamic Downscaling Segmentation for Noisy, Low-Contrast in Situ Underwater Plankton Images. IEEE Access, 2020, 8, 111012-111026.	2.6	8
28	A two-stage adaptive thresholding segmentation for noisy low-contrast images. Ecological Informatics, 2022, 69, 101632.	2.3	8
29	Estimated development times for stage-structured marine organisms are biased if based only on survivors. Journal of Plankton Research, 2011, 33, 751-762.	0.8	7
30	Multiâ€scale spatial dynamics of the Chesapeake Bay nettle, Chrysaora chesapeakei. Ecosphere, 2020, 11, e03128.	1.0	7
31	Cohort analysis of Euphausia pacifica from the Northeast Pacific population using a Gaussian mixture model. Progress in Oceanography, 2021, 191, 102495.	1.5	7
32	Interannual summer variability in euphausiid populations on the eastern Bering Sea shelf during the recent cooling event (2008â€“2010). Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 95, 12-19.	0.6	6
33	Spatio-temporal variability of phytoplankton assemblages and its controlling factors in spring and summer in the Subei Shoal of Yellow Sea, China. Acta Oceanologica Sinica, 2019, 38, 84-92.	0.4	6
34	Sea Surface Salinity Variability in the Bering Sea in 2015â€“2020. Remote Sensing, 2022, 14, 758.	1.8	6
35	A comparative analysis of coastal and shelf-slope copepod communities in the northern California Current system: Synchronized response to large-scale forcing?. Limnology and Oceanography, 2012, 57, 1467-1478.	1.6	5
36	Spawning locations and larval dispersal of Atlantic Menhaden during 1977â€“2013. ICES Journal of Marine Science, 2017, 74, 1574-1586.	1.2	5

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37	Adaptive feeding in the American oyster <scp>Crassostrea virginica</scp>: Complex impacts of pulsatile flow during pseudofecal ejection events. Limnology and Oceanography, 2020, 65, 2010-2023.	1.6	5
38	Settlement and survival of Chrysaora chesapeakei polyps: implications for adult abundance. Marine Ecology - Progress Series, 2018, 601, 139-151.	0.9	5
39	Biomass and estimated production, and feeding pressure on zooplankton of chaetognaths in the Yellow Sea, China. Terrestrial, Atmospheric and Oceanic Sciences, 2020, 31, 61-75.	0.3	2
40	Potential Applications of Low Altitude Remote Sensing for Monitoring Jellyfish. Korean Journal of Remote Sensing, 2017, 33, 15-24.	0.4	2
41	The Influence of a Deepâ€Water Intrusion on the Distribution of Chrysaora melanaster in the Southeastern Bering Sea. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016867.	1.0	1
42	Biological Response of Planktic Foraminifera to Decline in Seawater pH. Biology, 2022, 11, 98.	1.3	1
43	Image Recognition Based on Compressive Imaging and Optimal Feature Selection. IEEE Photonics Journal, 2022, 14, 1-12.	1.0	1