

Tanjung Priok Harbor, because the harbor is the biggest harbor in Indonesia. In this harbor, many ships are not only staying there, but also being repaired in docks located there. Ten sampling points were assigned in this study. Six sampling points were in Basin, one sampling point was in front of the dock, one sampling point was at mouth of breakwater and two sampling points outside breakwater. This study showed that concentrations of TBT at Tanjung Priok Harbor were ranging from 0.022 to 0.204 ppm. In 1996 and 1999, we studied also heavy metals in green mussel, *Perna viridis* sp., collected from coastal areas of five major industrial cities (Jakarta,

Medan, Surabaya, Semarang and Makassar). The result showed that concentration of Cd, Pb and Cr for several sampling sites were not detected. However, in Semarang concentration of Cd was 5.93 ppm, in Makassar was 2.21 ppm and in Cilincing (Jakarta) was 1.04 ppm. On the other hand, concentration chromium in Semarang was 2.24 ppm, and concentration Cr in Makassar was detected 4.50 ppm. Both studies showed also that metals concentration in green mussel collected from coastal areas of five major industrial cities didn't change significantly.

Chinese core journals for marine sciences

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Based on Index of *National Newspapers and Periodicals* (Natural Sciences), *Oceanic Abstracts* (Chinese) and the international index journal—*Aquatic Sciences and Fisheries Abstracts*, the journal productivities of hundreds of Chinese journals related to marine sciences were added up. Three aspects of each journal determine the sequence of the periodic. The first is the total paper numbers of each journal of 1998 and 1999. It contributes 50% importance to the sequence. The second is the total papers number from 1990 through 1997. It

contributes 30% importance to the sequence. And the third is the importance of the published institution. It contributes 20% importance to the sequence. (The number of scientists, the constitution of researcher and the administrative level of the publisher determines the importance of the published institution). Through comparative study of the lists, a much more practical *Chinese Core Journals List of Marine Sciences* was obtained.

Chinese core journal list of marine sciences

No.	English Name	Chinese Name (Pronunciation)	Publisher	Publish Place	Frequency
1	*Acta Oceanologica Sinica	Haiyang Xuebao	The Chinese Society of Oceanography	Beijing	Bimonthly
2	*Oceanologia et Limnologia Sinica	Haiyang Yu Huzhao	The Chinese Society for Oceanology and Limnology	Qingdao	Bimonthly
3	Marine Sciences	Haiyang Kexue	Institute of Oceanology, Academia Sinica	Qingdao	Monthly
4	*Marine Science Bulletin	Haiyang Tongbao	State Oceanic Information Center, SOA	Tianjin	Bimonthly
5	Tropic Oceanology	Redai Haiyang	South China Sea Institute of Oceanology, Academia Sinica	Guangzhou	Quarterly
6	Marine Environmental Science	Haiyang Huanjin Kexue	Institute of Marine Environmental Protection, SOA	Dalian	Quarterly
7	Journal of Ocean University of Qingdao	Qingdao Haiyang Daxue Xuebao	Ocean University of Qingdao	Qingdao	Quarterly
8	Journal of Oceanography in Taiwan Strait	Taiwan Haixia	Third Institute of Oceanography, SOA	Xiamen	Quarterly
9	**Donghai Marine Sciences	Donghai Haiyang	Second Institute of Oceanography, SOA	Hangzhou	Quarterly
10	***Journal of Oceanography of Huanghai and Bohai Seas	Huangbohai Haiyang	First Institute of Oceanography, SOA	Qingdao	Quarterly
11	Journal of Fishery Sciences of China	Zhongguo Shuichan Kexue	Chinese Academy of Fishery Sciences	Beijing	Quarterly
12	Ocean Technology	Haiyang Jishu	Institute of Ocean Technology, SOA	Tianjin	Quarterly
13	Chinese Journal of Polar Research	Jidi Yanjiu	Chinese Polar Administration	Shanghai	Quarterly
14	Chinese Journal of Marine Drugs	Zhongguo Haiyang Yuewu	Shandong Institute of Marine Medica	Qingdao	Bimonthly

Chinese core journal list of marine sciences (*Continued*)

No.	English Name	Chinese Name (Pronunciation)	Publisher	Publish Place	Frequency
15	Marine Geology and Quaternary Geology	Haiyang Dizhi Yu Disiji Dizhi	Institute of Marine Geology	Qingdao	Quarterly
16	Marine Forecasts	Haiyang Yubao	National Research Center for Marine Environment Forecasts, SOA	Beijing	Quarterly
17	Journal of Xiamen University	Xiamen Daxue Xuebao	Xiamen University	Xiamen	Bimonthly
18	Transactions of Oceanology and Limnology	Haiyang Huzhao Tongbao	The Shandong Society of Oceanography	Qingdao	Quarterly
19	The Ocean Engineering	Haiyang Gongcheng	The Chinese Society of Oceanography	Qingdao	Quarterly
20	Coastal Engineering	Haian Gongcheng	Shandong Society of Coastal Engineering	Qingdao	Quarterly
21	Journal of Fisheries of China	Shuichan Xuebao	China Society of Fisheries	Shanghai	Bimonthly
22	Marine Fisheries Research	Haiyang Shuichan Yanjiu	Yellow Sea Fisheries Research Institute	Qingdao	Quarterly
23	****Marine Fisheries	Haiyang Yuye	East China Sea Fisheries Research Institute	Shanghai	Quarterly
24	****Shandong Fisheries	Qilu Yuye	Shandong Society of Fisheries	Yantai	Bimonthly
25	Journal of Tropical Meteorology	Redai Qixiang Xuebao	Guangzhou Institute of Tropical and Oceanic Meteorology	Guangzhou	Quarterly
26	China Offshore Oil and Gas. Engineering	Zhongguo Haishang Youqi-Gongcheng	China Offshore Oil Production Research Center	Beijing	Bimonthly
27	****Hebei Fisheries	Hebei Yuye	Hebei Society of Fisheries	Shijiazhuang	Bimonthly
28	Journal of Shanghai Fisheries University	Shanghai Shuichan Daxue Xuebao	Shanghai Fisheries University	Shanghai	Quarterly
29	Journal of Dalian Maritime University	Dalian Haishi Daxue Xuebao	Dalian Maritime University	Dalian	Quarterly
30	Sea-lake Salt & Chemical Industry	Haihuan Yu Huagong	Salt Research Institute, China National Salt Industry Corp.	Tianjin	Quarterly
31	China Offshore Oil and Gas. Geology	Zhongguo Haishang Youqi-Dizhi	China Offshore Oil Exploration and Development Research Center	Gaobeidian	Bimonthly
32	****Fisheries Science & Technology Information	Shuichan Keji Qingbao	Shanghai Fisheries Society	Shanghai	Bimonthly
33	Fisheries Science	Shuichan Kexue	Liaoning Marine Fisheries Research Institute	Dalian	Bimonthly
34	Meteorology	Qixiang	State Meteorological Administration	Beijing	Bimonthly
35	Journal of Dalian Fisheries University	Dalian Shuichan Xueyuan Xuebao	Dalian Fisheries University	Dalian	Quarterly
36	Journal of Zhejiang Ocean University	Zhejiang Haiyang Xueyuan Xuebao	Zhejiang Ocean University	Zhoushan	Quarterly
37	Journal of Zhanjiang Ocean University	Zhanjiang Haiyang Daxue Xuebao	Zhanjiang Ocean University	Zhanjiang	Quarterly
38	Navigation of China	Zhongguo Hanghai	Chinese Society of Navigation	Shanghai	Half Year
39	Chinese Journal of Zoology	Dongwuxue Zazhi	China Zoological Society	Beijing	Bimonthly
40	Acta Ecologica Sinica	Shengtai Xuebao	Chinese Society of Ecology	Beijing	Bimonthly

* No. 1, No. 2 and No. 4 have English edition, the others have English abstracts.

** Donghai is the Chinese pronunciation of East China Sea.

*** Huanghai is the Chinese pronunciation of Yellow Sea

**** No. 23, No. 24, No. 27 and No. 32 have few papers with English abstracts.