

List of the Most Outstanding Papers Published by CJOL/JOL in 2017–2018

Based on the 2019 Journal Citation Report on the Web of Science, we selected 51 top-cited papers published by CJOL/JOL in 2017–2018 in six fields: aquaculture, biology, chemistry, ecology, geology, and physics, and we further invited 7 scientists to rank them in scientific merit. These experts chose 22 outstanding papers that we now honor as the Most Outstanding Papers, as shown in the list below.

The first / corresponding author will be awarded a certificate. We warmly congratulate the awardees for their success and sincerely thank all the authors and reviewers for contributing to and supporting our journal. We will do our best to provide good service in the future. For more information, please contact the editorial office by email: jol@qdio.ac.cn.

The Editorial Office of *Journal of Oceanology and Limnology*

Title	Author	Year	Volume	Issue	Page
Trace metal anomalies in bleached <i>Porites</i> coral at Meiji Reef, tropical South China Sea	Li Shu; Yu Kefu; Zhao Jianxin; Feng Yuexing; Chen Tianran	2017	35	1	115-121
Scanning electron microscopy coupled with energy-dispersive X-ray spectrometry for quick detection of sulfur-oxidizing bacteria in environmental water samples	Sun Chengjun; Jiang Fenghua; Gao Wei; Li Xiaoyun; Yu Yanzhen; Yin Xiaofei; Wang Yong; Ding Haibing	2017	35	1	185-191
Genome-wide mining, characterization, and development of microsatellite markers in <i>Marsupenaeus japonicus</i> by genome survey sequencing	Lu Xia; Luan Sheng; Kong Jie; Hu Longyang; Mao Yong; Zhong Shengping	2017	35	1	203-214
Verification of protein sparing by feeding carbohydrate to common carp <i>Cyprinus carpio</i>	Cheng Zhenyan; Li Jinghui; Zhang Baolong; Fang Zhenzhen; Sun Jinhui; Bai Dongqing; Sun Jinsheng; Qiao Xiuting	2017	35	2	251-257
Biomass and nutrient productivities of <i>Tetraselmis chuii</i> under mixotrophic culture conditions with various C:N ratios	Lu Lin; Wang Jun; Yang Guanpin; Zhu Baohua; Pan Kehou	2017	35	2	303-312
Characteristics of the $\delta^{15}\text{N}_{\text{NO}_3}$ distribution and its drivers in the Changjiang River estuary and adjacent waters	Wang Wentao; Yu Zhiming; Song Xiuxian; Wu Zaixing; Yuan Yongquan; Zhou Peng; Cao Xihua	2017	35	2	367-382
Temporal and spatial characteristics of harmful algal blooms in Qingdao Waters, China	Yuan Yongquan; Yu Zhiming; Song Xiuxian; Cao Xihua	2017	35	2	400-414
Effects of temperature, salinity, and irradiance on the growth of harmful algal bloom species <i>Phaeocystis globosa</i> Scherffel (Prymnesiophyceae) isolated from the South China Sea	Xu Ning; Huang Bozhu; Hu Zhangxi; Tang Yingzhong; Duan Shunshan; Zhang Chengwu	2017	35	3	557-565
Effect of pollution on DNA damage and essential fatty acid profile in <i>Cirrhinus mrigala</i> from River Chenab	Hussain, Bilal; Sultana, Tayyaba; Sultana, Salma; Al-Ghanim, K. A.; Mahboob, Shahid	2017	35	3	572-579
Molt and reproduction enhancement together with hemolymph ecdysteroid elevation under eyestalk ablation in the female fiddler crab <i>Uca triangularis</i> (Brachyura: Decapoda)	Supriya, Nagathinkal T.; Sudha, Kappalli; Krishnakumar, Velayudhannair; Anilkumar, Gopinathan	2017	35	3	645-657
Dynamic genetic features of eukaryotic plankton diversity in the Nakdong River estuary of Korea	Lee, Jee Eun; Chung, Ik Kyo; Lee, Sang-Rae	2017	35	4	844-857
Detection of spatial hot spots and variation for the neon flying squid <i>Ommastrephes bartramii</i> resources in the northwest Pacific Ocean	Feng Yongjiu; Chen Xinjun; Liu Yan	2017	35	4	921-935
A simple method to model the reduced environment of lake bottom sapropel formation	Gaskova, Olga L.; Strakhovenko, Vera D.; Ermolaeva, Nadezhda I.; Zarubina, Eugene Yu.; Ovdina, Ekaterina A.	2017	35	4	956-966

A new method to estimate wave height of specified return period	Wang Liping; Xu Xin; Liu Guilin; Chen Baiyu; Chen Zhengshou	2017	35	5	1002-1009
Correspondence between the ENSO-like state and glacial-interglacial condition during the past 360 kyr	Zhang Shuai; Li Tiegang; Chang Fengming; Yu Zhoufei; Xiong Zhifang; Wang Haixia	2017	35	5	1018-1031
Preparation and characterization of controlled-release fertilizers coated with marine polysaccharide derivatives	Wang Jing; Liu Song; Qin Yukun; Chen Xiaolin; Xing Rong'e; Yu Huahua; Li Kecheng; Li Pengcheng	2017	35	5	1086-1093
Variation in the life-history traits of a Schilbid catfish, <i>Clupisoma garua</i> (Hamilton, 1822) in the coastal waters of southern Bangladesh	Siddik, Muhammad Abu Bakar; Chaklader, Md Reaz; Abu Hanif, Md; Nahar, Ashfaqun; Ilham, Ilham; Cole, Anthony; Fotedar, Ravi	2017	35	5	1189-1196
Predictive ability of genomic selection models for breeding value estimation on growth traits of Pacific white shrimp <i>Litopenaeus vannamei</i>	WANG Quanchao; Yu Yang; Li Fuhua; Zhang Xiaojun; Xiang Jianhai	2017	35	5	1221-1229
Effects of temperature and salinity on survival, growth and DNA methylation of juvenile Pacific abalone, <i>Haliotis discus hannai</i> Ino	Kong Ning; Liu Xiao; Li Junyuan; Mu Wendan; Lian Jianwu; Xue Yanjie; Li Qi	2017	35	5	1248-1258
Effect of mesoscale wind stress-SST coupling on the Kuroshio extension jet	Wei Yanzhou; Zhang Ronghua; Wang Hongna; Kang Xianbiao	2018	36	3	612-619
In vitro prebiotic effects of seaweed polysaccharides	Chen Xiaolin; Sun Yuhao; Hu Linfeng; Liu Song; Yu Huahua; Xing Rong'e; Li Rongfeng; Wang Xueqin; Li Pengcheng	2018	36	3	926-932
Application of first order rate kinetics to explain changes in bloom toxicity-the importance of understanding cell toxin quotas	Orr, Philip T.; Willis, Anusuya; Burford, Michele A.	2018	36	4	1063-1074