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**Eutrophication: impacts of excess nutrient inputs on freshwater, marine, and terrestrial ecosystems**

**DOI: 10.1016/s0269-7491(99)00091-3**  
**Environmental Pollution, 1999, 100, 179-96.**

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**Version:** 2024-04-19

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1478	In-season root-zone N management for mitigating greenhouse gas emission and reactive N losses in intensive wheat production. <b>2013</b> , 47, 6015-22		87
1477	Synthesis of silver nanoclusters, characterization and application to trace level sensing of nitrate in aqueous media. <b>2013</b> , 102, 299-305		22
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1439	Do the changes in temperature and light affect the functional response of the benthic mud snail <i>Heleobia australis</i> (Mollusca: Gastropoda)? <b>2014</b> , 86, 1197-206	8
1438	Short-term effects of biogas digestate and cattle slurry application on greenhouse gas emissions affected by N availability from grasslands on drained fen peatlands and associated organic soils. <b>2014</b> , 11, 6187-6207	23
1437	Nitrate removal under different ecological remediation measures in Taihu Lake: a 15N mass-balance approach. <b>2014</b> , 21, 14138-45	7
1436	Development of a whole community genome amplification-assisted DNA microarray method to detect functional genes involved in the nitrogen cycle. <b>2014</b> , 30, 2907-15	3
1435	Chinese coastal seas are facing heavy atmospheric nitrogen deposition. <b>2014</b> , 9, 095007	40
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1432	Process Optimization of Chemical Precipitation for High Concentration Phosphorus Containing Wastewater Treatment. <b>2014</b> , 1010-1012, 580-583	1
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1430	Partitioning and First-Flush of Nitrogen in Rainfall-Runoff from an Urban Source Area. <b>2014</b> , 140, 04014027	3
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1428	A snapshot of the limnology of eastern Australian water bodies spanning the tropics to Tasmania: the land-use, climate, limnology nexus. <b>2014</b> , 65, 872	10
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1426	Phosphorus resources, their depletion and conservation, a review. <b>2014</b> , 93, 32-49	177
1425	Homogenization of spatial patterns of hydrologic response in artificially drained agricultural catchments. <b>2014</b> , 28, 5010-5020	29
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1423	Phosphorus removal by a fixed-bed hybrid polymer nanocomposite biofilm reactor. <b>2014</b> , 30, 428-439	2
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1419	Effects of salinity on removal of nitrogen and phosphorus from eutrophic saline water in planted <i>Lythrum salicaria</i> L. microcosm systems. <b>2014</b> , 52, 6655-6663		10
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1412	Quantitative evaluation of lake eutrophication responses under alternative water diversion scenarios: a water quality modeling based statistical analysis approach. <i>Science of the Total Environment</i> , <b>2014</b> , 468-469, 219-27	10.2	90
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1408	Floatation of granular sludge and its mechanism: a key approach for high-rate denitrifying reactor. <b>2014</b> , 152, 414-9		23
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1405	Total phosphorus concentrations in surface water of typical agro- and forest ecosystems in China, 2004-2010. <b>2014</b> , 8, 561-569		14
1404	Examining the fate of WWTP effluent nitrogen using $\text{N}_2\text{O}$ , $\text{NH}_4^+$ and $\text{NO}_3^-$ of submersed macrophytes. <b>2014</b> , 76, 243-258		19

1403	Opposing patterns of zooplankton diversity and functioning along a natural stress gradient: when the going gets tough, the tough get going. <b>2014</b> , 123, 461-471	37
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1400	Evaluation of a combined macrophyte-epiphyte bioassay for assessing nutrient enrichment in the Portneuf River, Idaho, USA. <b>2014</b> , 186, 4081-96	3
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1395	Spatial-temporal variation of dissolved N <sub>2</sub> and denitrification in an agricultural river network, southeast China. <b>2014</b> , 189, 1-10	36
1394	Rapid plant species loss at high rates and at low frequency of N addition in temperate steppe. <b>2014</b> , 20, 3520-9	88
1393	Lake eutrophication and its implications for organic carbon sequestration in Europe. <b>2014</b> , 20, 2741-51	118
1392	Influence of moderate pre-oxidation treatment on the physical, chemical and phosphate adsorption properties of iron-containing activated carbon. <b>2014</b> , 26, 519-28	36
1391	Complex patterns in phytoplankton and microeukaryote diversity along the estuarine continuum. <b>2014</b> , 726, 155-178	17
1390	Relations between macroinvertebrates, nutrients, and water quality criteria in wadeable streams of Maryland, USA. <b>2014</b> , 186, 1167-82	14
1389	Evidence for consumer regulation of biofilm nutrient interactions among hardwater streams (Pennsylvania, USA). <b>2014</b> , 722, 183-198	4
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1384	The logistic growth of duckweed ( <i>Lemna minor</i> ) and kinetics of ammonium uptake. <b>2014</b> , 35, 562-7		24
1383	Characterization of fish hold effluent discharged from commercial fishing vessels into harbor waters. <b>2014</b> , 87, 29-38		0
1382	Oceanographic and climatic variation drive top-down/bottom-up coupling in the Galápagos intertidal meta-ecosystem. <b>2014</b> , 84, 411-434		27
1381	Nitrate variability in groundwater of North Carolina using monitoring and private well data models. <b>2014</b> , 48, 10804-12		24
1380	Beating the blues: is there any music in fighting cyanobacteria with ultrasound?. <b>2014</b> , 66, 361-373		29
1379	Coal fly ash enhanced planted-floating bed performance in phosphorus-contaminated water treatment. <b>2014</b> , 73, 276-280		9
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1368	Influence of bioturbation on denitrification and dissimilatory nitrate reduction to ammonium (DNRA) in freshwater sediments. <b>2014</b> , 120, 279-294		54

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1364	Comparing the Effects of Aquatic Stressors on Model Temperate Freshwater Aquatic Communities. <b>2014</b> , 225, 1	11
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1355	Life cycle assessment of macroalgae cultivation and processing for biofuel production. <b>2014</b> , 75, 45-56	124
1354	Denitrification in restored and unrestored Danish streams. <b>2014</b> , 66, 129-140	23
1353	Adsorption of sediment phosphorus by porous ceramic filter media coated with nano-titanium dioxide film. <b>2014</b> , 64, 186-192	26
1352	Humic substances interfere with phosphate removal by Lanthanum modified clay in controlling eutrophication. <b>2014</b> , 54, 78-88	143
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1350	The effect of substrate concentration fluctuation on the performance of high-rate denitrifying reactor. <b>2014</b> , 167, 53-60	8

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1345	Mammalian herbivores in Australia transport nutrients from terrestrial to marine ecosystems via mangroves. <b>2014</b> , 30, 179-188	19
1344	COMMON SENSE: Cost-effective sensors, interoperable with international existing ocean observing systems, to meet EU policies requirements. <b>2014</b> ,	2
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1335	Eutrophication and hypoxia: impacts of nutrient and organic enrichment. 202-243	2
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1314	Managing nutrients and system operations for biofuel production from freshwater macroalgae. <b>2015</b> , 11, 13-21	19

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1312	Diatom floristic change and lake paleoproduction as evidence of recent eutrophication in shallow lakes of the midwestern USA. <b>2015</b> , 53, 17-34	16
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1267	Possible implications of dietary changes on nutrient fluxes, environment and land use in Austria. <b>2015</b> , 136, 14-29	16
1266	Effects of monoculture and mixed culture of grass and legume forage species on soil microbial community structure under different levels of nitrogen fertilization. <b>2015</b> , 68, 61-68	44
1265	Fine-scale chemical exposure differs in point and nonpoint source plumes. <b>2015</b> , 68, 729-44	5
1264	Impact of external nitrogen and phosphorus input between 2006 and 2010 on carbon cycle in China seas. <b>2015</b> , 15, 631-641	10
1263	Assessing threshold values for eutrophication management using Bayesian method in Yuqiao Reservoir, North China. <b>2015</b> , 187, 195	10
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1255	Influence of dissolved organic nitrogen on Ni bioavailability in <i>Prorocentrum donghaiense</i> and <i>Skeletonema costatum</i> . <b>2015</b> , 96, 368-73		7
1254	An assessment of cloud masking schemes for satellite ocean colour data of marine optical extremes. <b>2015</b> , 36, 797-821		16
1253	Toxic cyanobacterial bloom triggers in missisquoi bay, lake champlain, as determined by next-generation sequencing and quantitative PCR. <b>2015</b> , 5, 1346-80		18
1252	Analyzing the importance of top-down and bottom-up controls in food webs of Chinese lakes through structural equation modeling. <b>2015</b> , 49, 199-210		27
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1250	Responses of primary production, leaf litter decomposition and associated communities to stream eutrophication. <i>Environmental Pollution</i> , <b>2015</b> , 202, 32-40	9.3	45
1249	The contribution of household chemicals to environmental discharges via effluents: combining chemical and behavioural data. <b>2015</b> , 150, 427-434		21
1248	Responses of plant nutrient resorption to phosphorus addition in freshwater marsh of Northeast China. <b>2015</b> , 5, 8097		24
1247	Can Organisms Regulate Global Biogeochemical Cycles?. <b>2015</b> , 18, 813-825		3
1246	Nutrient release from the sediments of the Great Bay Estuary, N.H. USA. <b>2015</b> , 161, 76-87		37
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1244	Zooplankton community changes confound the biodilution theory of methylmercury accumulation in a recovering mercury-contaminated lake. <b>2015</b> , 49, 4066-71		19
1243	Exposure factors for marine eutrophication impacts assessment based on a mechanistic biological model. <b>2015</b> , 317, 50-63		23
1242	Tempo-spatial analysis of water quality in tributary bays of the Three Gorges Reservoir region (China). <b>2015</b> , 22, 16709-20		21

1241	Environmental controls of plant species richness in riparian wetlands: Implications for restoration. <b>2015</b> , 16, 480-489	14
1240	A fast-response methodological approach to assessing and managing nutrient loads in eutrophic Mediterranean reservoirs. <b>2015</b> , 85, 47-55	10
1239	Struvite-based phosphorus recovery from the concentrated bioeffluent by using HFO nanocomposite adsorption: Effect of solution chemistry. <b>2015</b> , 141, 227-34	20
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1237	Effects of an invasive consumer on zooplankton communities are unaltered by nutrient inputs. <b>2015</b> , 60, 161-173	7
1236	Model-Based Nitrogen and Phosphorus (Nutrient) Criteria for Large Temperate Rivers: 2. Criteria Derivation. <b>2015</b> , 51, 447-470	3
1235	Nutrient exploitation and competition strategies of the invasive seaweed <i>Caulerpa cylindracea</i> . <b>2015</b> , 50, 384-394	18
1234	Quantification of phytoplankton bloom dynamics by citizen scientists in urban and peri-urban environments. <b>2015</b> , 187, 690	39
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1231	Studies on the treatment efficiency of sediment phosphorus with a combined technology of PCFM and submerged macrophytes. <i>Environmental Pollution</i> , <b>2015</b> , 206, 705-11	9.3 23
1230	Contrasting controls on the phosphorus concentration of suspended particulate matter under baseflow and storm event conditions in agricultural headwater streams. <i>Science of the Total Environment</i> , <b>2015</b> , 533, 49-59	10.2 23
1229	Phytoplankton Community Shifts and Harmful Algae Presence in a Diversion Influenced Estuary. <b>2015</b> , 38, 2213-2226	19
1228	Determining critical nutrient thresholds needed to control harmful cyanobacterial blooms in eutrophic Lake Taihu, China. <b>2015</b> , 49, 1051-9	226
1227	Short-term effects of nutrient enrichment on river biofilm: $\text{NH}_4\text{O}_3$ uptake rate and response of meiofauna. <b>2015</b> , 744, 165-175	12
1226	Stressor intensity determines antagonistic interactions between species invasion and multiple stressor effects on ecosystem functioning. <b>2015</b> , 124, 1005-1012	22
1225	An environmental impact comparison of external wall insulation types. <b>2015</b> , 85, 182-189	49
1224	Remote sensing estimation of the total phosphorus concentration in a large lake using band combinations and regional multivariate statistical modeling techniques. <b>2015</b> , 151, 33-43	27

1223	Ecotoxicological assessment of organic wastes spread on land: Towards a proposal of a suitable test battery. <b>2015</b> , 113, 103-11		17
1222	High-temporal resolution fluvial sediment source fingerprinting with uncertainty: a Bayesian approach. <b>2015</b> , 40, 78-92		53
1221	Phytate in pig and poultry nutrition. <b>2015</b> , 99, 605-25		138
1220	Nutrient load estimation in the waste of Nile tilapia <i>Oreochromis niloticus</i> (L.) reared in cages in tropical climate conditions. <i>Aquaculture Research</i> , <b>2015</b> , 46, 1309-1322	1.9	35
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1218	Diversity measures in macroinvertebrate and zooplankton communities related to the trophic status of subtropical reservoirs: Contradictory or complementary responses?. <b>2015</b> , 50, 135-149		40
1217	Comparative study of nitrogen removal and bio-film clogging for three filter media packing strategies in vertical flow constructed wetlands. <b>2015</b> , 74, 1-7		22
1216	Can we predict biological condition of stream ecosystems? A multi-stressors approach linking three biological indices to physico-chemistry, hydromorphology and land use. <b>2015</b> , 48, 88-98		41
1215	Integrated ecosystem health assessment based on eco-exergy theory: A case study of the Jiangsu coastal area. <b>2015</b> , 48, 107-119		28
1214	The impacts of an invasive herbivore ( <i>Camelus dromedaries</i> ) on arid zone freshwater pools: An experimental investigation of the effects of dung on macroinvertebrate colonisation. <b>2015</b> , 113, 69-76		13
1213	Climate and land use interactively affect lake phytoplankton nutrient limitation status. <b>2015</b> , 96, 392-402		56
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1211	Assessment of the characteristic of nutrients, total metals, and fecal coliform in Sibulaut River, Sarawak, Malaysia. <b>2016</b> , 6, 77-96		20
1210	Effects of Hydroclimate on In-ditch Water Quality: Case Study of Two Tailwater Recovery Ditches in Mississippi. <b>2016</b> ,		
1209	Water Stress Induced by Enrichment of Nutrient and Climate Change Factors. <b>2016</b> ,		
1208	Algae as an Indicator of Water Quality. <b>2016</b> ,		14
1207	Thinking beyond the Bioreactor Box: Incorporating Stream Ecology into Edge-of-Field Nitrate Management. <b>2016</b> , 45, 866-72		8
1206	Nitrate Pollution and Preliminary Source Identification of Surface Water in a Semi-Arid River Basin, Using Isotopic and Hydrochemical Approaches. <i>Water (Switzerland)</i> , <b>2016</b> , 8, 328	3	46

1205	Adapting the social-ecological system framework for urban stormwater management: the case of green infrastructure adoption. <b>2016</b> , 21,		28
1204	Application of ecological indicators in coastal watershed under high pressure during summer period. <b>2016</b> , 21, 537-548		5
1203	Sedimentary Organic Matter and Phosphate along the Kapuas River (West Kalimantan, Indonesia). <b>2016</b> , 2016, 1-9		2
1202	Vertical Phosphorus Migration in a Biosolids-Amended Sandy Loam Soil in Laboratory Settings: Concentrations in Soils and Leachates. <b>2016</b> , 2016, 1-8		0
1201	Quantifying Spatial Changes in the Structure of Water Quality Constituents in a Large Prairie River within Two Frameworks of a Water Quality Model. <i>Water (Switzerland)</i> , <b>2016</b> , 8, 158	3	6
1200	Long-Term Trends and Temporal Synchrony in Plankton Richness, Diversity and Biomass Driven by Re-Oligotrophication and Climate across 17 Danish Lakes. <i>Water (Switzerland)</i> , <b>2016</b> , 8, 427	3	17
1199	Where Does River Runoff Matter for Coastal Marine Conservation?. <b>2016</b> , 3,		17
1198	Global Change. <b>2016</b> , 273-313		6
1197	A Review on the Valorization of Macroalgal Wastes for Biomethane Production. <b>2016</b> , 14,		66
1196	Quantitative Understanding of Nanoparticle Uptake in Watermelon Plants. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1288	6.2	147
1195	Irrigation Water Quality Standards for Indirect Wastewater Reuse in Agriculture: A Contribution toward Sustainable Wastewater Reuse in South Korea. <i>Water (Switzerland)</i> , <b>2016</b> , 8, 169	3	85
1194	Spatial analysis of water quality of the Karra River, Hetauda, Nepal. <b>2016</b> , 8, 58-65		
1193	Phosphorus mobility among sediments, water and cyanobacteria enhanced by cyanobacteria blooms in eutrophic Lake Dianchi. <i>Environmental Pollution</i> , <b>2016</b> , 219, 580-587	9.3	64
1192	Bolstered physical defences under nutrient-enriched conditions may facilitate a secondary foundational algal species in the South Pacific. <b>2016</b> , 104, 646-653		11
1191	Reciprocal feedbacks between spatial subsidies and reserve networks in coral reef meta-ecosystems. <b>2016</b> , 26, 264-78		12
1190	Bayesian Modeling of the Effects of Extreme Flooding and the Grazer Community on Algal Biomass Dynamics in a Monsoonal Taiwan Stream. <b>2016</b> , 72, 372-80		3
1189	Evaluating relative sensitivity of SWAT-simulated nitrogen discharge to projected climate and land cover changes for two watersheds in North Carolina, USA. <b>2016</b> , 30, 1403-1418		7
1188	First record of toxins associated with cyanobacterial blooms in oligotrophic North Patagonian lakes of Chile—genomic approach. <b>2016</b> , 101, 57-68		19

1187	The influence of herbivores on primary producers can vary spatially and interact with disturbance. <b>2016</b> , 125, 1273-1283	10
1186	Estimation of environmental capacity of phosphorus in Gorgan Bay, Iran, via a 3D ecological-hydrodynamic model. <b>2016</b> , 188, 649	8
1185	Environmental factors affecting the balance of autotrophs versus heterotrophs in the microbial food web of temporary ponds. <b>2016</b> , 782, 127-143	9
1184	The impact of feral camels ( <i>Camelus dromedarius</i> ) on remote waterholes in central Australia. <b>2016</b> , 38, 191	11
1183	Soil phosphorus status and environmental risk of phosphorus run-off from pastures in south-eastern New South Wales. <b>2016</b> , 54, 685	2
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1181	Phosphorus Management. <b>2016</b> , 81-113	3
1180	Nitrogen, phosphorus, and eutrophication in streams. <b>2016</b> , 6, 155-164	266
1179	Phosphorus Uptake by Potato from Fertilizers Recovered from Anaerobic Digestion. <b>2016</b> , 108, 2036-2049	8
1178	Ammonia removal from raw manure digestate by means of a turbulent mixing stripping process. <b>2016</b> , 176, 1-10	61
1177	Contrasting effects of nutrient enrichment on below-ground biomass in coastal wetlands. <b>2016</b> , 104, 249-260	29
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1170	Asynchronous onset of eutrophication among shallow prairie lakes of the Northern Great Plains, Alberta, Canada. <b>2016</b> , 22, 271-83	15

1169	Release characteristics of sediment P in all fractions of Donghu Lake, Wuhan, China. <b>2016</b> , 57, 25572-25580	5
1168	Seasonal Variability in Stormwater Quality Treatment of Permeable Pavements Situated Over Heavy Clay and in a Cold Climate. <b>2016</b> , 227, 1	27
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1165	ZrO <sub>2</sub> nanoparticles confined in CMK-3 as highly effective sorbent for phosphate adsorption. <b>2016</b> , 230, 188-195	36
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1162	Water residence time in Chesapeake Bay for 1980-2012. <b>2016</b> , 164, 101-111	67
1161	Eutrophication alters Si cycling and litter decomposition in wetlands. <b>2016</b> , 130, 289-299	10
1160	Western Lake Erie Basin: Soft-data-constrained, NHDPlus resolution watershed modeling and exploration of applicable conservation scenarios. <i>Science of the Total Environment</i> , <b>2016</b> , 569-570, 1265-1281	36
1159	Sedimentary Bacteriopheophytin a as an indicator of meromixis in varved lake sediments of Lake Jaczno, north-east Poland, CE 1891-2010. <b>2016</b> , 144, 109-118	15
1158	Assessment of environment impacts of egg production chain using life cycle assessment. <b>2016</b> , 183, 980-987	17
1157	Biomass decay rates and tissue nutrient loss in bloom and non-bloom-forming macroalgal species. <b>2016</b> , 178, 58-64	21
1156	Life cycle assessment of phosphorus use efficiency in crop production system of three crops in Chaohu Watershed, China. <b>2016</b> , 139, 1298-1307	13
1155	Simulated storm surge effects on freshwater coastal wetland soil porewater salinity and extractable ammonium levels: Implications for marsh recovery after storm surge. <b>2016</b> , 181, 338-344	10
1154	Eutrophication, Ammonia Intoxication, and Infectious Diseases: Interdisciplinary Factors of Mass Mortalities in Cultured Nile Tilapia. <b>2016</b> , 28, 187-98	20
1153	Nitrogen limitation of algal biofilms in coastal wetlands of Lakes Michigan and Huron. <b>2016</b> , 35, 25-40	12
1152	Freshwater algae competition and correlation between their growth and microcystin production. <b>2016</b> , 23, 21577-21583	5



1151	Strategy for management of lake-catchment system integrated with natural and anthropogenic factors in China. <b>2016</b> , 96, 26-33	2
1150	How many seasons are there in a sub-tropical lake? A multivariate statistical approach to determine seasonality and its application to phytoplankton dynamics. <b>2016</b> , 60, 39-50	5
1149	Bioremediation of Eutrophic Water by the Controlled Cultivation of Water Hyacinths. <b>2016</b> ,	1
1148	Carbon and nitrogen tracers of land use effects on net ecosystem metabolism in mangrove estuaries, southwest Florida. <b>2016</b> , 181, 14-26	6
1147	Efficacy and phosphorus equivalency values of two bacterial phytases ( <i>Escherichia coli</i> and <i>Citrobacter braakii</i> ) allow the partial reduction of dicalcium phosphate added to the diets of broiler chickens from 1 to 21 days of age. <b>2016</b> , 221, 226-233	7
1146	Effects of experimental nutrient loading on phosphorus uptake by biofilms: evidence for nutrient saturation in mid-Atlantic streams. <b>2016</b> , 35, 503-517	6
1145	Artificial destratification effects on nitrogen and phosphorus dynamics in a eutrophic impoundment in the northern Great Plains. <b>2016</b> , 188, 469	3
1144	Has eutrophication promoted forage fish production in the Baltic Sea?. <b>2016</b> , 45, 649-60	13
1143	TiO <sub>2</sub> nanoparticles for the remediation of eutrophic shallow freshwater systems: Efficiency and impacts on aquatic biota under a microcosm experiment. <b>2016</b> , 178, 58-71	17
1142	Red soil for sediment capping to control the internal nutrient release under flow conditions. <b>2016</b> , 10, 1	7
1141	Low-cost chlorophyll meter (LCCM): portable measuring device for leaf chlorophyll. <b>2016</b> ,	1
1140	Coupling fallout <sup>210</sup> Pb and stable isotopes ( <sup>13</sup> C, <sup>15</sup> N) for catchment urbanization reconstruction in southeastern coastal zone of Brazil. <b>2016</b> , 310, 1021-1032	3
1139	Environmentally induced, occupational diseases with emphasis on chronic kidney disease of multifactorial origin affecting tropical countries. <b>2016</b> , 28, 33	19
1138	The influence of urea and nitrate nutrients on the bioavailability and toxicity of nickel to <i>Prorocentrum donghaiense</i> (Dinophyta) and <i>Skeletonema costatum</i> (Bacillariophyta). <b>2016</b> , 181, 22-28	5
1137	Influence of Treated Sewage Discharge on the Benthos Ciliate Assembly in the Lowland River. <b>2016</b> , 23, 461-471	6
1136	Simulation of oil bioremediation in a tidally influenced beach: Spatiotemporal evolution of nutrient and dissolved oxygen. <b>2016</b> , 121, 2385-2404	19
1135	Biomass pyramids in lake plankton: influence of Cyanobacteria size and abundance. <b>2016</b> , 6,	23
1134	Modeling lake trophic state: a random forest approach. <b>2016</b> , 7, e01321	36

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1132	Beyond the urban stream syndrome: organic matter budget for diagnostics and restoration of an impaired urban river. <b>2016</b> , 19, 1623-1643	11
1131	Pyrolysis temperature and steam activation effects on sorption of phosphate on pine sawdust biochars in aqueous solutions. <b>2016</b> , 28, 42-50	62
1130	The influence of nutrient loading, climate and water depth on nitrogen and phosphorus loss in shallow lakes: a pan-European mesocosm experiment. <b>2016</b> , 778, 13-32	6
1129	Shallow lake restoration and water quality management by the combined effects of polyaluminium chloride addition and benthivorous fish removal: a field mesocosm experiment. <b>2016</b> , 778, 243-252	11
1128	Phosphorus retention of forested and emergent marsh depressional wetlands in differing land uses in Florida, USA. <b>2016</b> , 24, 45-60	6
1127	Effects of eutrophication on the planktonic food web dynamics of marine coastal ecosystems: The case study of two tropical inlets. <b>2016</b> , 119, 176-88	21
1126	Measuring the Effects of Water-based Recreation on the Spatial Ecology of Eastern Musk Turtles ( <i>Sternotherus odoratus</i> ) in a Provincial Park in Ontario, Canada. <b>2016</b> , 104, 440-447	3
1125	Influence of hydrological connectivity on winter limnology in floodplain lakes of the Saskatchewan River Delta, Saskatchewan. <b>2016</b> , 73, 140-152	14
1124	Evaluation of sediment amendment with zirconium-reacted bentonite to control phosphorus release. <b>2016</b> , 75, 1	22
1123	A multi-regional soil phosphorus balance for exploring secondary fertilizer potential: the case of Norway. <b>2016</b> , 104, 307-320	26
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1120	Benthic algal assessment of ecological status in European lakes and rivers: Challenges and opportunities. <i>Science of the Total Environment</i> , <b>2016</b> , 568, 603-613	10.2 52
1119	Environmental change in the Western Iberia Upwelling Ecosystem since the preindustrial period revealed by dinoflagellate cyst records. <b>2016</b> , 26, 874-889	21
1118	Stable isotope on the evaluation of water quality in the presence of WWTPs in rivers. <b>2016</b> , 23, 18175-82	9
1117	Impact of Treated Sewage Effluent on the Microbiology of a Small Brook Using Flow Cytometry as a Diagnostic Tool. <b>2016</b> , 227, 57	10
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1115	Plant species richness enhances nitrogen retention in green roof plots. <b>2016</b> , 26, 2130-2144	16
1114	Neutral effect of nitrogen addition and negative effect of phosphorus addition on topsoil extracellular enzymatic activities in an alpine grassland ecosystem. <b>2016</b> , 107, 205-213	51
1113	Remote-sensing estimation of dissolved inorganic nitrogen concentration in the Bohai Sea using band combinations derived from MODIS data. <b>2016</b> , 37, 327-340	18
1112	Effect of nitrate enrichment and diatoms on the bioavailability of Fe(III) oxyhydroxide colloids in seawater. <b>2016</b> , 147, 105-13	6
1111	Elevated nutrients change bacterial community composition and connectivity: high throughput sequencing of young marine biofilms. <b>2016</b> , 32, 57-69	37
1110	Phyco-remediation of industrial waste-water and flue gases with algal-diesel engenderment from micro-algae: A review. <b>2016</b> , 173, 90-97	53
1109	Distribution and speciation of metals, phosphorus, sulfate and organic material in brackish estuary water affected by acid sulfate soils. <b>2016</b> , 66, 264-274	20
1108	Clonal integration enhances expansion ability of <i>Ipomoea aquatica</i> in aquatic-terrestrial ecotones. <b>2016</b> , 128, 33-40	11
1107	Chemical behavior of different species of phosphorus in coagulation. <b>2016</b> , 144, 2264-9	34
1106	Management of eutrophication in Lake De Kuil (The Netherlands) using combined flocculant - Lanthanum modified bentonite treatment. <b>2016</b> , 97, 83-95	79
1105	Adaptations of a green tide forming <i>Ulva linza</i> (Ulvophyceae, Chlorophyta) to selected salinity and nutrients conditions mimicking representative environments in the Yellow Sea. <b>2016</b> , 55, 210-218	13
1104	Salinization decreases population densities of the freshwater crustacean, <i>Daphnia dentifera</i> . <b>2016</b> , 770, 165-172	25
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1102	Geo-engineering experiments in two urban ponds to control eutrophication. <b>2016</b> , 97, 69-82	51
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1097	Runoff, nitrogen (N) and phosphorus (P) losses from purple slope cropland soil under rating fertilization in Three Gorges Region. <b>2016</b> , 23, 4541-50	30
1096	Characterization of phosphorus forms in lake macrophytes and algae by solution (31)P nuclear magnetic resonance spectroscopy. <b>2016</b> , 23, 7288-97	27
1095	Continental-Scale Increase in Lake and Stream Phosphorus: Are Oligotrophic Systems Disappearing in the United States?. <b>2016</b> , 50, 3409-15	124
1094	Reservoir Sedimentation and Upstream Sediment Sources: Perspectives and Future Research Needs on Streambank and Gully Erosion. <b>2016</b> , 57, 945-55	45
1093	Effects of submergence and eutrophication on the morphological traits and biomass allocation of the invasive plant <i>Alternanthera philoxeroides</i> . <b>2016</b> , 31, 341-349	11
1092	Water flux management and phytoplankton communities in a Mediterranean coastal lagoon. Part I: How to promote dinoflagellate dominance?. <b>2016</b> , 104, 139-52	17
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1089	Environmental variability drives rapid and dramatic changes in nutrient limitation of tropical macroalgae with different ecological strategies. <b>2016</b> , 35, 669-680	10
1088	The size structure and pigment composition of phytoplankton in a semi-enclosed bay, Hong Kong, after a 12-year nutrient reduction. <b>2016</b> , 6, 10-18	1
1087	Do oxidizing transitions constrain organic matter mineralization in eutrophic freshwater wetlands?. <b>2016</b> , 774, 81-92	8
1086	Algal blooms, circulators, waterfowl, and eutrophic Greenfield Lake, North Carolina. <b>2016</b> , 32, 168-181	13
1085	Electrochemical treatment of water containing <i>Microcystis aeruginosa</i> in a fixed bed reactor with three-dimensional conductive diamond anodes. <b>2016</b> , 319, 111-20	24
1084	Elevated pCO <sub>2</sub> causes a shift towards more toxic microcystin variants in nitrogen-limited <i>Microcystis aeruginosa</i> . <b>2016</b> , 92,	18
1083	Enhanced Phosphate Removal by Nanosized Hydrated La(III) Oxide Confined in Cross-linked Polystyrene Networks. <b>2016</b> , 50, 1447-54	199
1082	Impact of terrestrial runoff on organic matter, trophic state, and phytoplankton in a tropical, upland reservoir. <b>2016</b> , 78, 367-379	4
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1080	Life cycle assessment of lignocellulosic biomass pretreatment methods in biofuel production. <b>2016</b> , 21, 44-50	69

1079	Dynamics of dissolved and particulate phosphorus influenced by seasonal hypoxia in Green Bay, Lake Michigan. <i>Science of the Total Environment</i> , <b>2016</b> , 541, 1070-1082	10.2	45
1078	Frontier Discoveries and Innovations in Interdisciplinary Microbiology. <b>2016</b> ,		3
1077	Optimum Phosphorus Concentration for Growth of <i>Catharanthus roseus</i> (L.) G. Don Pacifica White in a Subirrigation and Top Watering System. <b>2016</b> , 47, 52-64		4
1076	Grey water footprint assessment at the river basin level: Accounting method and case study in the Segura River Basin, Spain. <b>2016</b> , 60, 1173-1183		58
1075	Insect herbivory on native and exotic aquatic plants: phosphorus and nitrogen drive insect growth and nutrient release. <b>2016</b> , 778, 209-220		21
1074	Effects of sediment dredging on nitrogen cycling in Lake Taihu, China: Insight from mass balance based on a 2-year field study. <b>2016</b> , 23, 3871-83		31
1073	Scale-up of phosphate remobilization from sewage sludge in a microbial fuel cell. <b>2016</b> , 200, 435-43		26
1072	Enhancement of algicidal properties of immobilized <i>Bacillus methylotrophicus</i> ZJU by coating with magnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles and wheat bran. <b>2016</b> , 301, 65-73		38
1071	The role of ions, heavy metals, fluoride, and agrochemicals: critical evaluation of potential aetiological factors of chronic kidney disease of multifactorial origin (CKDmfo/CKDu) and recommendations for its eradication. <b>2016</b> , 38, 639-78		48
1070	Controlling phosphate releasing from poultry litter using stabilized Fe-Mn binary oxide nanoparticles. <i>Science of the Total Environment</i> , <b>2016</b> , 542, 1020-9	10.2	17
1069	Study of Water Quality in a Spanish River Based on Statistical Process Control and Functional Data Analysis. <b>2016</b> , 48, 163-186		8
1068	A review of phosphorus management through the food system: identifying the roadmap to ecological agriculture. <b>2016</b> , 114, 45-54		16
1067	A comparative study of cambium histology of <i>Ceiba speciosa</i> (A. St.-Hil.) Ravenna (Malvaceae) under urban pollution. <b>2017</b> , 24, 12049-12062		7
1066	Review and conceptual models of agricultural impacts and water quality in waterways of the Great Barrier Reef catchment area. <b>2017</b> , 68, 1		43
1065	Modelling the influence of changing climate in present and future marine eutrophication impacts from spring barley production. <b>2017</b> , 140, 537-546		7
1064	Effects of water level fluctuation and sediment-water nutrient exchange on phosphorus biogeochemistry in two coastal wetlands. <b>2017</b> , 79, 57-72		5
1063	Stochastic optimal control of agrochemical pollutant loads in reservoirs for irrigation. <b>2017</b> , 146, 37-46		13
1062	Precipitation and temperature drive seasonal variation in bioaccumulation of polycyclic aromatic hydrocarbons in the planktonic food webs of a subtropical shallow eutrophic lake in China. <i>Science of the Total Environment</i> , <b>2017</b> , 583, 447-457	10.2	13

1061	Impacts of sea cucumber farming on biogeochemical characteristics in the Yellow River estuary, Northern China. <b>2017</b> , 97, 19-30	4
1060	Symbiotic bacteria associated with a bobtail squid reproductive system are detectable in the environment, and stable in the host and developing eggs. <b>2017</b> , 19, 1463-1475	22
1059	Implication of Nitrifying and Denitrifying Bacteria for Nitrogen Removal in a Shallow Lake. <b>2017</b> , 45, 1500319	7
1058	Temporal trends in live foraminiferal assemblages near a pollution outfall on the Levant shelf. <b>2017</b> , 117, 50-60	10
1057	Designing and construction of simulated constructed wetland for treatment of sewage containing metals. <b>2017</b> , 38, 2691-2699	11
1056	Water purification characteristics of pervious concrete fabricated with CSA cement and bottom ash aggregates. <b>2017</b> , 136, 1-8	52
1055	Spectrophotometric monitoring of nitrite in seawater after liquid microextraction of its derivative with 2,3-diaminonaphthalene. <b>2017</b> , 52, 11-17	8
1054	Prediction by decision tree modelling of the relative magnitude of functional group abundance in a pasture ecosystem in the south of Chile. <b>2017</b> , 239, 38-50	6
1053	Speciation and fractionation of phosphorus in biosolids-amended soils: effects of water treatment residual nanoparticles. <b>2017</b> , 14, 1729-1738	5
1052	Ultrasensitive detection of orthophosphate ions with reduced graphene oxide/ferritin field-effect transistor sensors. <b>2017</b> , 4, 856-863	23
1051	Nitrite toxicity in juvenile Goodeinae fishes <i>Skiffia multipunctata</i> (Pellegrin, 1901) and <i>Goodea atripinnis</i> (Jordan, 1880). <b>2017</b> , 33, 300-305	1
1050	Inhibitory effects of sulfamethoxazole on denitrifying granule properties: Short- and long-term tests. <b>2017</b> , 233, 391-398	20
1049	Can nutrient pathways and biotic interactions control eutrophication in riverine ecosystems? Evidence from a model driven mesocosm experiment. <b>2017</b> , 115, 162-171	10
1048	A life cycle assessment of perovskite/silicon tandem solar cells. <b>2017</b> , 25, 679-695	55
1047	Determination of Nitrate in Seawater with Valve-Free Continuous Flow Analysis. <b>2017</b> , 45, 151-156	5
1046	Controllability of Phosphorus Losses in Surface Runoff from Sloping Farmland Treated by Agricultural Practices. <b>2017</b> , 28, 1704-1716	17
1045	Effects of internal phosphorus loadings and food-web structure on the recovery of a deep lake from eutrophication. <b>2017</b> , 43, 255-264	24
1044	Assessment and analysis of ecological quality, macroinvertebrate communities and diversity in rivers of a multifunctional tropical island. <b>2017</b> , 77, 228-238	19

1043	Using Reclaimed Water for Agricultural and Landscape Irrigation in China: a Review. <b>2017</b> , 66, 672-686		44
1042	Prioritising local action for water quality improvement using citizen science; a study across three major metropolitan areas of China. <i>Science of the Total Environment</i> , <b>2017</b> , 584-585, 1268-1281	10.2	21
1041	Bloom and bust: Toxic algae's impact on nearby property values. <b>2017</b> , 135, 209-221		44
1040	Rediscovery of the endangered species <i>Harpalus flavescens</i> (Coleoptera: Carabidae) in the Loire River. <b>2017</b> , 10, 488-494		1
1039	Chitosan as coagulant on cyanobacteria in lake restoration management may cause rapid cell lysis. <b>2017</b> , 118, 121-130		40
1038	Biogeochemistry drives diversity in the prokaryotes, fungi, and invertebrates of a Panama forest. <b>2017</b> , 98, 2019-2028		34
1037	Critical assessment of chitosan as coagulant to remove cyanobacteria. <i>Harmful Algae</i> , <b>2017</b> , 66, 1-12	5.3	23
1036	Influence of operational parameters on nutrient removal from eutrophic water in a constructed wetland. <b>2017</b> , 792, 105-120		7
1035	Environmental impacts of producing bioethanol and biobased lactic acid from standalone and integrated biorefineries using a consequential and an attributional life cycle assessment approach. <i>Science of the Total Environment</i> , <b>2017</b> , 598, 497-512	10.2	50
1034	Performance of partial-denitrification process providing nitrite for anammox in sequencing batch reactor (SBR) and upflow sludge blanket (USB) reactor. <b>2017</b> , 122, 38-46		23
1033	Temperature shapes coral-algal symbiosis in the South China Sea. <b>2017</b> , 7, 40118		30
1032	Spread of the native grass <i>Elymus athericus</i> in salt marshes of Mont-Saint-Michel bay as an unusual case of coastal eutrophication. <b>2017</b> , 21, 421-433		11
1031	Body size drives allochthony in food webs of tropical rivers. <b>2017</b> , 183, 505-517		19
1030	Does eutrophication-driven evolution change aquatic ecosystems?. <b>2017</b> , 372,		62
1029	Benchmarking nutrient use efficiency of dairy farms: The effect of epistemic uncertainty. <b>2017</b> , 156, 25-33		8
1028	Temporal scale dependent interactions between multiple environmental disturbances in microcosm ecosystems. <b>2017</b> , 23, 5237-5248		25
1027	Effects of environmental and water quality parameters on the functioning of copepod assemblages in tropical estuaries. <b>2017</b> , 194, 150-161		10
1026	Spatiotemporal changes and fragmentation of mangroves and its effects on fish diversity in Ca Mau Province (Vietnam). <b>2017</b> , 21, 355-368		17

1025	Global perturbation of organic carbon cycling by river damming. <b>2017</b> , 8, 15347	149
1024	An evaluation of the sustainability of onsite wastewater treatment systems for nutrient management. <b>2017</b> , 121, 186-196	17
1023	Effect of combined ecological floating bed for eutrophic lake remediation. <b>2017</b> ,	3
1022	Can we effectively stop the expansion of trees on wetlands? Results of a birch removal experiment. <b>2017</b> , 25, 359-367	5
1021	Nutrient and herbivore alterations cause uncoupled changes in producer diversity, biomass and ecosystem function, but not in overall multifunctionality. <b>2017</b> , 7, 2639	4
1020	How Plant Root Exudates Shape the Nitrogen Cycle. <b>2017</b> , 22, 661-673	166
1019	Identifying the relationships between trophic states and their driving factors in the Shihmen Reservoir, Taiwan. <b>2017</b> , 64, 38-45	8
1018	Dispersal and assimilation of an aquaculture waste subsidy in a low productivity coastal environment. <b>2017</b> , 120, 309-321	16
1017	Reduced Phytoplankton and Zooplankton Diversity Associated with Increased Cyanobacteria in Lake Champlain, USA. <b>2017</b> , 160, 100-118	15
1016	Ambient groundwater flow diminishes nitrate processing in the hyporheic zone of streams. <b>2017</b> , 53, 3941-3967	29
1015	Spatio-temporal evaluation of the surface water quality in the middle Nile Delta using Palmer's algal pollution index. <b>2017</b> , 4, 219-226	12
1014	Conceptualising the interactive effects of climate change and biological invasions on subarctic freshwater fish. <b>2017</b> , 7, 4109-4128	35
1013	Development of an epiphyte indicator of nutrient enrichment: a critical evaluation of observational and experimental studies. <b>2017</b> , 79, 207-227	12
1012	High-throughput amplicon sequencing and stream benthic bacteria: identifying the best taxonomic level for multiple-stressor research. <b>2017</b> , 7, 44657	26
1011	Residence and transport time scales associated with Shatt Al-Arab discharges under various hydrological conditions estimated using a numerical model. <b>2017</b> , 118, 85-92	16
1010	Fate of river-transported carbon in china: implications for carbon cycling in coastal ecosystems. <b>2017</b> , 3, e01265	8
1009	Effect of humic acid preloading on phosphate adsorption onto zirconium-modified zeolite. <b>2017</b> , 24, 12195-12211	22
1008	Impacts of sanitation improvement on reduction of nitrogen discharges entering the environment from human excreta in China. <i>Science of the Total Environment</i> , <b>2017</b> , 593-594, 439-448	10.2 8



1007	Seasonal water quality changes in on-farm water storage systems in a south-central U.S. agricultural watershed. <b>2017</b> , 187, 131-139		17
1006	Distinguishing globally-driven changes from regional- and local-scale impacts: The case for long-term and broad-scale studies of recovery from pollution. <b>2017</b> , 124, 573-586		20
1005	Significant Change in Marine Plankton Structure and Carbon Production After the Addition of River Water in a Mesocosm Experiment. <b>2017</b> , 74, 289-301		3
1004	Evaluation of simulated dredging to control internal phosphorus release from sediments: Focused on phosphorus transfer and resupply across the sediment-water interface. <i>Science of the Total Environment</i> , <b>2017</b> , 592, 662-673	10.2	82
1003	Planktonic algal bloom significantly alters sediment bacterial community structure. <b>2017</b> , 17, 2547-2556		4
1002	Development of a two-dimensional eutrophication model in an urban lake (China) and the application of uncertainty analysis. <b>2017</b> , 345, 63-74		25
1001	Reproduction capacity of <i>Potamogeton crispus</i> fragments and its role in water purification and algae inhibition in eutrophic lakes. <i>Science of the Total Environment</i> , <b>2017</b> , 580, 1421-1428	10.2	22
1000	Host-plant-based restoration as a potential tool to improve conservation status of odonate specialists. <b>2017</b> , 10, 151-160		9
999	Assessing the farm-scale impacts of cover crops and non-inversion tillage regimes on nutrient losses from an arable catchment. <b>2017</b> , 237, 181-193		27
998	Nanostructured ZnFeZr oxyhydroxide precipitate as efficient phosphate adsorber in waste water: understanding the role of different material-building-blocks. <b>2017</b> , 4, 180-190		14
997	The oxygen isotopic composition of phosphate in river water and its potential sources in the Upper River Taw catchment, UK. <i>Science of the Total Environment</i> , <b>2017</b> , 574, 680-690	10.2	33
996	Neurotoxins in a water supply reservoir: An alert to environmental and human health. <b>2017</b> , 126, 12-22		13
995	Linking human-biophysical interactions with the trophic status of Dal Lake, Kashmir Himalaya, India. <b>2017</b> , 62, 84-96		31
994	Zooplankton variability at four monitoring sites of the Northeast Atlantic Shelves differing in latitude and trophic status. <b>2017</b> , 39, 891-909		8
993	Effects of Urbanization on Surface and Subsurface Hydrologic Variables of Upper Bhima River Basin, Maharashtra, India. <b>2017</b> , 567-610		
992	Microbial functional genes elucidate environmental drivers of biofilm metabolism in glacier-fed streams. <b>2017</b> , 7, 12668		24
991	Establishment of stream nutrient criteria by comparing reference conditions with ecological thresholds in a typical eutrophic lake basin. <b>2017</b> , 19, 1554-1562		1
990	Conservation and Management of Vulnerable Marine Benthic Ecosystems. <b>2017</b> , 1165-1207		7

989	Effect of interspecific competition on the growth and nutrient uptake of three macrophytes in nutrient-rich water. <b>2017</b> , 51, 625-634	4
988	Transport and potential attenuation of nitrogen in shallow groundwaters in the lower Rangitikei catchment, New Zealand. <b>2017</b> , 206, 55-66	16
987	Multimetric assessment of macroinvertebrate responses to mitigation measures in a dammed and polluted river of Central Spain. <b>2017</b> , 83, 356-367	7
986	Evaluation of algal bloom mitigation and nutrient removal in floating constructed wetlands with different macrophyte species. <b>2017</b> , 108, 581-588	17
985	Coagulation performance of a novel poly-ferric-acetate (PFC) coagulant in phosphate-kaolin synthetic water treatment. <b>2017</b> , 34, 2641-2647	7
984	Consequences of eutrophication in the management of water resources in Mediterranean reservoirs: A case study of Lake Cedrino (Sardinia, Italy). <b>2017</b> , 12, 21-35	47
983	Seasonal and spatial changes in water and sediment quality variables in Bafa Lake. <b>2017</b> , 76, 1	2
982	Reconciling the opposing effects of warming on phytoplankton biomass in 188 large lakes. <b>2017</b> , 7, 10762	53
981	Centennial-scale reductions in nitrogen availability in temperate forests of the United States. <b>2017</b> , 7, 7856	38
980	Factors controlling the stable isotope composition and C:N ratio of seston and periphyton in shallow lake mesocosms with contrasting nutrient loadings and temperatures. <b>2017</b> , 62, 1596-1613	11
979	Dynamic water quality evaluation based on fuzzy matter-element model and functional data analysis, a case study in Poyang Lake. <b>2017</b> , 24, 19138-19148	26
978	Enhancement of carbon and nitrogen removal by helophytes along subsurface water flowpaths receiving treated wastewater. <i>Science of the Total Environment</i> , <b>2017</b> , 599-600, 1667-1676	10.2 12
977	What role does stream restoration play in nutrient management?. <b>2017</b> , 47, 335-371	24
976	Assessment of the sediment quality of freshwater ecosystems in eastern China based on spatial and temporal variation of nutrients. <b>2017</b> , 24, 19412-19421	6
975	Weighting the impacts to stream water quality in small basins devoted to forage crops, dairy and beef cow production. <b>2017</b> , 65, 76-84	13
974	Removal of nutrients from urban stormwater runoff by storm-pulsed and seasonally pulsed created wetlands in the subtropics. <b>2017</b> , 108, 414-424	19
973	Combining multivariate statistical techniques and random forests model to assess and diagnose the trophic status of Poyang Lake in China. <b>2017</b> , 83, 74-83	26
972	A dual indicator approach for monitoring benthic impacts from organic enrichment with test application near Atlantic salmon farms. <b>2017</b> , 124, 258-265	12

971	An Integrated Landscape Management Approach to Sustainable Bioenergy Production. <b>2017</b> , 10, 929-948	6
970	Estimating Discharge and Nonpoint Source Nitrate Loading to Streams From Three End-Member Pathways Using High-Frequency Water Quality Data. <b>2017</b> , 53, 10201-10216	34
969	Study of phosphate release from Bogor botanical gardens sediment into pore water using diffusive gradient in thin film (DGT). <b>2017</b> , 188, 012028	
968	Influences of anthropogenic land use on microbial community structure and functional potentials of stream benthic biofilms. <b>2017</b> , 7, 15117	24
967	Influences of environmental factors on biomass of phytoplankton in the northern part of Tai Lake, China, from 2000 to 2012. <b>2017</b> , 189, 608	6
966	Aquatic Nitrate Retention at River Network Scales Across Flow Conditions Determined Using Nested In Situ Sensors. <b>2017</b> , 53, 9740-9756	39
965	Harmonizing Goals for Agricultural Intensification and Human Health Protection in Sub-Saharan Africa. <b>2017</b> , 10, 194008291772066	7
964	Elemental stoichiometry and compositions of weevil larvae and two acorn hosts under natural phosphorus variation. <b>2017</b> , 7, 45810	10
963	Controlling Eutrophication in A Mediterranean Shallow Reservoir by Phosphorus Loading Reduction: The Need for an Integrated Management Approach. <b>2017</b> , 59, 635-651	13
962	California vernal pool endemic responses to hydroperiod, plant thatch, and nutrients. <b>2017</b> , 801, 129-140	8
961	How the System of Rice Intensification Can Contribute to Climate-Smart Agriculture. <b>2017</b> , 109, 1163-1182	32
960	Short-term Effects of Great Cormorant Droppings on Water Quality and Microbial Community of an Artificial Agricultural Reservoir. <b>2017</b> , 46, 470-476	4
959	Characterization of waterborne nitrogen emissions for marine eutrophication modelling in life cycle impact assessment at the damage level and global scale. <b>2017</b> , 22, 1558-1570	17
958	Effect of metals on microcystin abundance and environmental fate. <i>Environmental Pollution</i> , <b>2017</b> , 226, 154-162	9.3 6
957	From cumulated energy demand to cumulated raw material demand: the material footprint as a sum parameter in life cycle assessment. <b>2017</b> , 7,	24
956	Predicting the Ecological Quality Status of Marine Environments from eDNA Metabarcoding Data Using Supervised Machine Learning. <b>2017</b> , 51, 9118-9126	96
955	Pilot-scale removal and recovery of dissolved phosphate from secondary wastewater effluents with reusable ZnFeZr adsorbent @ FeO/SiO particles with magnetic harvesting. <b>2017</b> , 109, 77-87	100
954	Nitrogen and phosphorus in sediments in China: A national-scale assessment and review. <i>Science of the Total Environment</i> , <b>2017</b> , 576, 840-849	10.2 48

953	Biological and chemical factors driving the temporal distribution of cyanobacteria and heterotrophic bacteria in a eutrophic lake (West Lake, China). <b>2017</b> , 101, 1685-1696		30
952	Spatial differentiation of marine eutrophication damage indicators based on species density. <b>2017</b> , 73, 676-685		15
951	Effects of filter-feeding planktivorous fish and cyanobacteria on structuring the zooplankton community in the eastern plain lakes of China. <b>2017</b> , 99, 238-245		16
950	Eutrophication and warming-driven green tides ( <i>Ulva rigida</i> ) are predicted to increase under future climate change scenarios. <b>2017</b> , 114, 439-447		86
949	Trend analysis of nutrient loadings in a large prairie catchment. <b>2017</b> , 62, 657-679		3
948	Incubation experiments to determine the response of a natural plankton community to treated sewage effluent. <b>2017</b> , 186, 250-262		9
947	Assessment of nitrogen and phosphorus flows in agricultural and urban systems in a small island under limited data availability. <i>Science of the Total Environment</i> , <b>2017</b> , 574, 1521-1532	10.2	32
946	Phosphate stable oxygen isotope variability within a temperate agricultural soil. <b>2017</b> , 285, 64-75		26
945	Strong divergence in quantitative traits and plastic behavior in response to nitrogen availability among provenances of a common wetland plant. <b>2017</b> , 136, 138-145		2
944	Nutrients, emerging pollutants and pesticides in a tropical urban reservoir: Spatial distributions and risk assessment. <i>Science of the Total Environment</i> , <b>2017</b> , 575, 1307-1324	10.2	67
943	Effect of calcium ion on phosphate adsorption onto hydrous zirconium oxide. <b>2017</b> , 309, 118-129		101
942	Effects of microcystin-LR and cylindrospermopsin on plant-soil systems: A review of their relevance for agricultural plant quality and public health. <b>2017</b> , 153, 191-204		79
941	Effects of four different phosphorus-locking materials on sediment and water quality in Xi'an moat. <b>2017</b> , 24, 264-274		9
940	The consequences of landscape change on fishing strategies. <i>Science of the Total Environment</i> , <b>2017</b> , 579, 930-939	10.2	4
939	The environmental impact of phenolic foam insulation boards. <b>2017</b> , 170, 91-103		11
938	Autonomous Platform Collecting the Vegetation in Excess From Natural Reservations Lakes Used As a Future Biomass Resource. <b>2017</b> ,		
937	Salinization and Origin of the Coastal Shallow Groundwater Aquifer, Northwestern Nile Delta, Egypt. <b>2017</b> , 275-306		1
936	High-frequency dissolved organic carbon and nitrate measurements reveal differences in storm hysteresis and loading in relation to land cover and seasonality. <b>2017</b> , 53, 5345-5363		96

935	Transcriptome profiles of <i>Daphnia magna</i> across to the different water chemistry of surface water of the Korean Demilitarized Zone. <b>2017</b> , 9, 188-198		4
934	Mobile prototype with solar panels for rehabilitation of natural reservations lakes. <b>2017</b> ,		
933	. <b>2017</b> ,		
932	Impact of Temperature and Nutrients on Carbon: Nutrient Tissue Stoichiometry of Submerged Aquatic Plants: An Experiment and Meta-Analysis. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 655	6.2	27
931	Spatiotemporal Distribution of Eutrophication in Lake Tai as Affected by Wind. <i>Water (Switzerland)</i> , <b>2017</b> , 9, 200	3	10
930	Chlorophyll-A Prediction of Lakes with Different Water Quality Patterns in China Based on Hybrid Neural Networks. <i>Water (Switzerland)</i> , <b>2017</b> , 9, 524	3	20
929	Water and Wastewater Purification Using Periphyton. <b>2017</b> , 107-135		2
928	The Evaluation of Phosphorus Removal Processes and Mechanisms From Surface Water by Periphyton. <b>2017</b> , 171-202		1
927	A Case Study of Potential Reasons of Increased Soil Phosphorus Levels in the Northeast United States. <b>2017</b> , 7, 85		10
926	Nitrogen Related Diffuse Pollution from Horticulture Production Mitigation Practices and Assessment Strategies. <b>2017</b> , 3, 25		20
925	Effects of Sediment Chemical Properties on Phosphorus Release Rates in the Sediment-Water Interface of the Steppe Wetlands. <b>2017</b> , 14,		3
924	Impacts of Nitrogen and Phosphorus: From Genomes to Natural Ecosystems and Agriculture. <b>2017</b> , 5,		85
923	Simplifying Regional Tuning of MODIS Algorithms for Monitoring Chlorophyll-a in Coastal Waters. <b>2017</b> , 4,		6
922	Preliminary Assessment of Growth Rates on Different Concentration of Microalgae <i>Scenedesmus</i> sp. in Industrial Meat Food Processing Wastewater. <b>2017</b> , 103, 06010		6
921	Eutrophication and Warming Boost Cyanobacterial Biomass and Microcystins. <b>2017</b> , 9,		68
920	Three-Dimensional Modeling of Wind- and Temperature-Induced Flows in the Itaipu Reservoir, NE Brazil. <i>Water (Switzerland)</i> , <b>2017</b> , 9, 772	3	3
919	Physiological response of a golden tide alga (<i>Sargassum muticum</i>) to the interaction of ocean acidification and phosphorus enrichment. <b>2017</b> , 14, 671-681		54
918	Coagulant plus ballast technique provides a rapid mitigation of cyanobacterial nuisance. <b>2017</b> , 12, e0178976		18

917	Laboratory and Full Boom-Based Investigation of Nozzle Setup Error Effects on Flow, Pressure, and Spray Pattern Distribution. <b>2017</b> , 33, 641-653	9
916	Assessment of Near-Bottom Water Quality of Southwestern Coast of Sarawak, Borneo, Malaysia: A Multivariate Statistical Approach. <b>2017</b> , 2017, 1-12	5
915	The rise and fall of dissolved phosphate in South African rivers. <b>2017</b> , 113,	5
914	Determination of Heavy Metals in Fish Tissues, Water and Sediment from the Onitsha Segment of the River Niger Anambra State Nigeria. <b>2017</b> , 07,	3
913	Plant-Microbe Ecology: Interactions of Plants and Symbiotic Microbial Communities. <b>2017</b> ,	11
912	Effects of Biochar Treatment of Municipal Biosolids and Horse Manure on Quality of Runoff from Fescue Plots. <b>2017</b> , 60, 409-417	4
911	Evaluation of eutrophication of Ostravice river depending on the chemical and physical parameters. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2017</b> , 92, 012016	0.3
910	Establishing reference nutrient conditions using improved statistical methods in a river network with typical monsoon climatic pattern. <b>2018</b> , 89, 260-268	2
909	In Situ Detection of Macronutrients and Chloride in Seawater by Submersible Electrochemical Sensors. <b>2018</b> , 90, 4702-4710	38
908	Forty-year trends in the flux and concentration of phosphorus in British rivers. <b>2018</b> , 558, 314-327	11
907	Nitrification-Denitrification of Thiocyanate, Ammonia, and Nitrates in Highly Contaminated Gold Mine Effluents Using Methanol as Energy Source. <b>2018</b> , 144, 05018002	2
906	Examining the utility of river restoration approaches for flood mitigation and channel stability enhancement: a recent review. <b>2018</b> , 77, 1	23
905	A modern robust approach to remotely estimate chlorophyll in coastal and inland zones. <b>2018</b> , 61, 2491-2509	8
904	A macrophysiology approach to watershed science and management. <i>Science of the Total Environment</i> , <b>2018</b> , 626, 434-440	10.2 3
903	Longitudinal patterns and response lengths of algae in riverine ecosystems: A model analysis emphasising benthic-pelagic interactions. <b>2018</b> , 442, 66-78	9
902	Structural and functional characteristics of buffer strip vegetation in an agricultural landscape - high potential for nutrient removal but low potential for plant biodiversity. <i>Science of the Total Environment</i> , <b>2018</b> , 628-629, 805-814	10.2 24
901	Modelling phosphorus uptake in microalgae. <b>2018</b> , 46, 483-490	21
900	Stoichiometry of carbon, nitrogen, and phosphorus through the freshwater pipe. <b>2018</b> , 3, 89-101	49

899	The Lake-Catchment (LakeCat) Dataset: characterizing landscape features for lake basins within the conterminous USA. <b>2018</b> , 37, 208-221		19
898	Nitrate reduction pathways in the presence of excess nitrogen in a shallow eutrophic estuary. <i>Environmental Pollution</i> , <b>2018</b> , 238, 599-606	9-3	41
897	Soil properties in relation to diversionary feeding stations for ungulates on a Mediterranean mountain. <b>2018</b> , 127, 136-143		7
896	Dynamics of arbuscular mycorrhizal fungal community structure and functioning along a nitrogen enrichment gradient in an alpine meadow ecosystem. <b>2018</b> , 220, 1222-1235		64
895	Effect of pre-treatment of bentonite with sodium and calcium ions on phosphate adsorption onto zirconium-modified bentonite. <b>2018</b> , 217, 183-195		57
894	A novel approach to evaluate potential risk of organic enrichment in marine aquaculture farms: a case study in Sanggou Bay. <b>2018</b> , 25, 16842-16851		5
893	The Interactive Effects of Elevated CO <sub>2</sub> and Ammonium Enrichment on the Physiological Performances of <i>Saccharina japonica</i> (Laminariales, Phaeophyta). <b>2018</b> , 53, 487-497		5
892	Identifying external nutrient reduction requirements and potential in the hypereutrophic Lake Taihu Basin, China. <b>2018</b> , 25, 10014-10028		5
891	Distributions of particulate and dissolved phosphorus in aquatic habitats of Peninsular Malaysia. <b>2018</b> , 128, 415-427		14
890	Environmental Impacts of Aluminum Dross After Metal Extraction. <b>2018</b> , 1155-1161		
889	The Impact of the Storage of Nutrients and Other Trace Elements on the Degradation of a Wetland. <b>2018</b> , 12, 87-100		5
888	Separating the effects of water quality and urbanization on temperate insectivorous bats at the landscape scale. <b>2018</b> , 8, 667-678		16
887	Small But Important: The Role of Small Floodplain Tributaries to River Nutrient Budgets. <b>2018</b> , 2, 64-71		1
886	Ecosystem nitrogen retention is regulated by plant community trait interactions with nutrient status in an alpine meadow. <b>2018</b> , 106, 1570-1581		12
885	Metals and limnological variables in an urban reservoir: compartmentalization and identification of potential impacted areas. <b>2017</b> , 190, 19		5
884	Optical properties and composition changes in chromophoric dissolved organic matter along trophic gradients: Implications for monitoring and assessing lake eutrophication. <b>2018</b> , 131, 255-263		75
883	Molecular detection of harmful cyanobacteria and expression of their toxin genes in Dutch lakes using multi-probe RNA chips. <i>Harmful Algae</i> , <b>2018</b> , 72, 25-35	5-3	1
882	Advances in Nano Based Biosensors for Food and Agriculture. <b>2018</b> , 1-52		8

881	Key factors influencing differences in stream water quality across space. <b>2018</b> , 5, e1260		86
880	Relationship between phytoplankton community succession and environmental parameters in Qinhuangdao coastal areas, China: A region with recurrent brown tide outbreaks. <b>2018</b> , 159, 85-93		22
879	Water Quality: Trends and Challenges. <b>2018</b> , 25-51		4
878	Riverbed sediments buffer phosphorus concentrations downstream of sewage treatment works across the River Wensum catchment, UK. <b>2018</b> , 18, 2107-2116		11
877	Comparative effects of ammonium, nitrate and urea on growth and photosynthetic efficiency of three bloom-forming cyanobacteria. <b>2018</b> , 63, 626-638		18
876	Ciliated protozoa in the impact zone of the Uzhgorod treatment plant. <b>2018</b> , 30, 02008		4
875	Fishes in a changing world: learning from the past to promote sustainability of fish populations. <b>2018</b> , 92, 804-827		33
874	Nutrient enrichment during shrimp cultivation alters bacterioplankton assemblies and destroys community stability. <b>2018</b> , 156, 366-374		20
873	Spatial-temporal variations of dissolved organic nitrogen molecular composition in agricultural runoff water. <b>2018</b> , 137, 375-383		13
872	Zooplankton seasonality across a latitudinal gradient in the Northeast Atlantic Shelves Province. <b>2018</b> , 160, 49-62		7
871	Sulfate amendment improves the growth and bioremediation capacity of a cyanobacteria cultured on municipal wastewater centrate. <b>2018</b> , 32, 30-37		7
870	Environmentally applications of invasive bivalves for water and wastewater decontamination. <i>Science of the Total Environment</i> , <b>2018</b> , 630, 1016-1027	10.2	16
869	Competition between invasive <i>Lemna minuta</i> and native <i>L. minor</i> in indoor and field experiments. <b>2018</b> , 812, 57-65		9
868	Pre-impoundment assessment of the limnological processes and eutrophication in a reservoir using three-dimensional modeling: Abolabbas reservoir, Iran. <b>2018</b> , 6, 48-61		8
867	Global change effects on plankton community structure and trophic interactions in a Patagonian freshwater eutrophic system. <b>2018</b> , 816, 61-77		2
866	Effect of inter-basin water transfer on water quality in an urban lake: A combined water quality index algorithm and biophysical modelling approach. <b>2018</b> , 92, 61-71		24
865	Spatially differentiated midpoint indicator for marine eutrophication of waterborne emissions in Sweden. <b>2018</b> , 23, 70-81		22
864	<i>Ulva rigida</i> in the future ocean: potential for carbon capture, bioremediation and biomethane production. <b>2018</b> , 10, 39-51		44



863	Nutrient Leaching and Greenhouse Gas Emissions in Grassed Detention and Bioretention Stormwater Basins. <b>2018</b> , 4, 04017014		23
862	Removing ammonium from water and wastewater using cost-effective adsorbents: A review. <b>2018</b> , 63, 174-197		114
861	Water quality assessment of the ecologically stressed Hooghly River Estuary, India: A multivariate approach. <b>2018</b> , 126, 592-599		38
860	Nutrient transferring from wastewater to desert through artificial cultivation of desert cyanobacteria. <b>2018</b> , 247, 947-953		22
859	Abiotic control of phytoplankton blooms in temperate coastal marine ecosystems: A case study in the South Atlantic Ocean. <i>Science of the Total Environment</i> , <b>2018</b> , 612, 894-902	10.2	16
858	Macroalgae reduces survival of nursery-reared <i>Acropora</i> corals in the Florida reef tract. <b>2018</b> , 26, 563-569		17
857	Phosphorus mobility and degree of saturation in oxisol under no-tillage after long-term dairy liquid manure application. <b>2018</b> , 177, 45-53		21
856	Effects of dam construction and increasing pollutants on the ecohydrological evolution of a shallow freshwater lake in the Yangtze floodplain. <i>Science of the Total Environment</i> , <b>2018</b> , 621, 219-227	10.2	26
855	Differences in soil chemistry remain following wildfires on temperate heath and blanket bog sites of conservation concern. <b>2018</b> , 315, 20-26		5
854	Disentangling the response of lake littoral invertebrate assemblages to multiple pressures. <b>2018</b> , 85, 1149-1157		7
853	From End-of-Pipe to Nature Based Solutions: a Simple Statistical Tool for Maximizing the Ecosystem Services Provided by Reservoirs for Drinking Water Treatment. <b>2018</b> , 32, 1307-1323		4
852	Natural and anthropogenic forcing of Holocene lake ecosystem development at Lake Uddelermeer (The Netherlands). <b>2018</b> , 59, 329-347		6
851	Freshwater eutrophication drives sharp reductions in temporal beta diversity. <b>2018</b> , 99, 47-56		53
850	Military training areas as refuges for threatened dragonfly species: Effect of spatial isolation and military activity. <b>2018</b> , 217, 28-35		9
849	Nutrient modeling of an urban lake using best subset method. <b>2018</b> , 15, 1867-1878		5
848	Spatially explicit fate factors of waterborne nitrogen emissions at the global scale. <b>2018</b> , 23, 1286-1296		15
847	Water Chemistry During Baseflow Helps Inform Watershed Management: A Case Study of the Lake Wister Watershed, Oklahoma. <b>2018</b> , 165, 42-58		1
846	Phosphorus Distribution in Delta Sediments: A Unique Data Set from Deer Creek Reservoir. <b>2018</b> , 5, 58		1

845	Eco-Fer (Ecotru Fixed Bed Reactor) : Application of Ecotru on Fixed Bed Reactor for Eliminating Ammonium in Waste Water. <b>2018</b> , 73, 05005		
844	Water Quality Assessment of Tributaries of Batang Baleh in Sarawak Using Cluster Analysis. <b>2018</b> , 2018, 8682951		4
843	Assessment of the consecutive harmful dinoflagellate blooms during 2015 in the Izmit Bay (the Marmara Sea). <b>2018</b> , 37, 91-101		5
842	Self-Assembly of an Anion-Binding Cryptand for the Selective Encapsulation, Sequestration, and Precipitation of Phosphate from Aqueous Systems. <b>2018</b> , 130, 13255-13259		5
841	Small but with big impact? Ecotoxicological effects of a municipal wastewater effluent on a small creek. <b>2018</b> , 53, 1149-1160		8
840	Application of high-resolution telemetered sensor technology to develop conceptual models of catchment hydrogeological processes. <b>2018</b> , 1, 100007		4
839	Continuous flow synthesis of phosphate binding h-BN@magnetite hybrid material.. <b>2018</b> , 8, 40829-40835		9
838	Seasonal Variation and Retention of Ammonium in Small Agricultural Streams in Central Thailand. <b>2018</b> , 5, 78		3
837	Rapid Determination of Dissolved Phosphorus in Environmental Waters Using Inductively Coupled Plasma Tandem Mass Spectrometry. <b>2018</b> , 46, e1863-e1867		3
836	The effects of nutrients on stream invertebrates: a regional estimation by generalized propensity score. <b>2018</b> , 7, 21		5
835	L'eutrophisation. <b>2018</b> ,		7
834	Legacy of early anthropogenic effects on recent lake eutrophication (Lake Bhit, northern French Alps). <b>2018</b> , 24, 72-87		9
833	Prairie Lakes: Model Systems for Integrating Ecology and Human Dimensions for Better Management. <b>2018</b> , 27, 110-113		
832	Effectiveness of Best Management Practices to Reduce Phosphorus Loading to a Highly Eutrophic Lake. <b>2018</b> , 15,		6
831	Myriophyllum aquaticum-Based Surface Flow Constructed Wetlands for Enhanced Eutrophic Nutrient Removal: A Case Study from Laboratory-Scale up to Pilot-Scale Constructed Wetland. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 1391	3	3
830	Low buffering capacity and slow recovery of anthropogenic phosphorus pollution in watersheds. <b>2018</b> , 11, 921-925		65
829	Risk Indicators for Identifying Critical Source Areas in Five Arkansas Watersheds. <b>2018</b> , 61, 1025-1032		2
828	A 1600-year record of human impacts on a floodplain lake in the Mississippi River Valley. <b>2018</b> , 60, 445-460		7

827	Combined effects of warming and nutrients on marine communities are moderated by predators and vary across functional groups. <b>2018</b> , 24, 5853-5866	13
826	Toward an In Situ Phosphate Sensor in Natural Waters Using a Microfluidic Flow Loop Analyzer. <b>2018</b> , 165, B737-B745	8
825	Toxicity effects of zinc on two marine diatoms, under varying macronutrient environment. <b>2018</b> , 142, 275-285	8
824	Mapping Satellite Inherent Optical Properties Index in Coastal Waters of the Yucatán Peninsula (Mexico). <b>2018</b> , 10, 1894	6
823	Hydrodynamic and water quality modeling of a large floodplain lake (Poyang Lake) in China. <b>2018</b> , 25, 35084-35098	9
822	Nutrient Release from Living and Terminated Cover Crops Under Variable Freeze-Thaw Cycles. <b>2018</b> , 110, 1036-1045	22
821	The Diet, Health, and Environment Trilemma. <b>2018</b> , 43, 109-134	31
820	Microbial nitrogen limitation in the mammalian large intestine. <b>2018</b> , 3, 1441-1450	48
819	The influence of cyanobacteria blooms on the attenuation of nitrogen throughputs in a Baltic coastal lagoon. <b>2018</b> , 141, 143-165	18
818	Salt Recovery from Wastewater Using Membrane Distillation-Crystallization. <b>2018</b> , 18, 7275-7285	16
817	Synthesis and Characterization of MoS <sub>2</sub> /TiO <sub>2</sub> Nanocomposites for Enhanced Photocatalytic Degradation of Methylene Blue under Sunlight Irradiation. <b>2018</b> , 778, 137-143	3
816	Characterization of bacterial and microbial eukaryotic communities associated with an ephemeral hypoxia event in Taihu Lake, a shallow eutrophic Chinese lake. <b>2018</b> , 25, 31543-31557	9
815	Size Fractionation of Dissolved Organic Nitrogen in Peatland Fluvial Systems. <b>2018</b> , 52, 11198-11205	2
814	Interplay between productivity and regional species pool determines community assembly in aquatic microcosms. <b>2018</b> , 80, 1	2
813	Population growth, land use and land cover transformations, and water quality nexus in the Upper Ganga River basin. <b>2018</b> , 22, 4745-4770	30
812	The Synergic Characteristics of Surface Water Pollution and Sediment Pollution with Heavy Metals in the Haihe River Basin, Northern China. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 73	3 8
811	What Are the Key Catchment Characteristics Affecting Spatial Differences in Riverine Water Quality?. <b>2018</b> , 54, 7252-7272	38
810	Impact of climate change and climate anomalies on hydrologic and biogeochemical processes in an agricultural catchment of the Chesapeake Bay watershed, USA. <i>Science of the Total Environment</i> , <b>2018</b> , 637-638, 1443-1454	10.2 32

809	Sediment type and nitrogen deposition affect the relationship between <i>Alternanthera philoxeroides</i> and experimental wetland plant communities. <b>2018</b> , 69, 811	2
808	Hydrochemistry of Lake Rara: A high mountain lake in western Nepal. <b>2018</b> , 23, 87-97	13
807	Water Policy in Chile. <b>2018</b> ,	26
806	Exposure of <i>Microcystis aeruginosa</i> to hydrogen peroxide and titanium dioxide under visible light conditions: Modeling the impact of hydrogen peroxide and hydroxyl radical on cell rupture and microcystin degradation. <b>2018</b> , 141, 217-226	29
805	Aquatic plant debris changes sediment enzymatic activity and microbial community structure. <b>2018</b> , 25, 21801-21810	1
804	Responses of phytoplankton community to eutrophication in Semerak Lagoon (Malaysia). <b>2018</b> , 25, 22944-22962	6
803	Contaminant dilution measure for the solute transport in an estuary. <b>2018</b> , 117, 65-74	6
802	Modeling the combined effects of changing land cover, climate, and atmospheric deposition on nitrogen transport in the Neuse River Basin. <b>2018</b> , 18, 68-79	3
801	Clean WaterR3: evaluation of three treatment technologies to remove contaminants from recycled production runoff. <b>2018</b> , 199-206	1
800	Temporal changes in the hydrology and nutrient concentrations of a large tropical river: Anthropogenic influence in the Lower Grijalva River, Mexico. <b>2018</b> , 34, 649-660	7
799	Engineered nanoparticles interact with nutrients to intensify eutrophication in a wetland ecosystem experiment. <b>2018</b> , 28, 1435-1449	22
798	Size-fractionated chlorophyll a and phycocyanin temporal variations in a highly eutrophic lake and its isolated karstic springs. <b>2018</b> , 47, 118-127	2
797	Effects of Nutrient Limitations and Watershed Inputs on Community Respiration in a Deep, Tropical Lake: Comparison of Pelagic and Littoral Habitats. <b>2018</b> , 54, 5213-5224	3
796	Investigating the Efficacy of Integrating Energy Crops into Non-Profitable Subfields in Iowa. <b>2018</b> , 11, 623-637	3
795	Response of Natural Cyanobacteria and Algae Assemblages to a Nutrient Pulse and Elevated Temperature. <b>2018</b> , 9, 1851	41
794	Spatial and Seasonal Patterns of Nutrients and Heavy Metals in Twenty-Seven Rivers Draining into the South China Sea. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 50	3 11
793	Biological nitrogen removal and metabolic characteristics of a novel aerobic denitrifying fungus <i>Hanseniaspora uvarum</i> strain KPL108. <b>2018</b> , 267, 569-577	33
792	Adsorption Characteristics of Several Bioretention-Modified Fillers for Phosphorus. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 831	3 10

791	Hydroclimatic influences and physiographic controls on phosphorus dynamics in prairie pothole wetlands. <i>Science of the Total Environment</i> , <b>2018</b> , 645, 1410-1424	10.2	13
790	Semicontinuous Culture of <i>Chlorella vulgaris</i> Microalgae for Wastewater Treatment. <b>2018</b> , 12, 765-772		6
789	Spatiotemporal Changes of Cyanobacterial Bloom in Large Shallow Eutrophic Lake Taihu, China. <b>2018</b> , 9, 451		47
788	A paradox of warming in a deep peri-Alpine lake (Lake Lugano, Switzerland and Italy). <b>2018</b> , 824, 215-228		13
787	Alien Plant Diversity in Mediterranean Wetlands: A Comparative Study within Valencian, Balearic and Sardinian Floras. <b>2018</b> , 46, 317-326		9
786	Effective seeding strategy using flat type poly (vinyl alcohol) cryogel for anammox enrichment. <b>2018</b> , 205, 88-97		15
785	Environmental and economic implications of food safety interventions: Life cycle and operating cost assessment of antimicrobial systems in U.S. beef packing industry. <b>2018</b> , 198, 541-550		10
784	Middens, currents and shorelines: Complex depositional processes of waterlogged prehistoric lakeside settlements based on the example of Zurich-Parkhaus Opfa (Switzerland). <b>2018</b> , 97, 26-41		8
783	The Impact of Warming and Nutrients on Algae Production and Microcystins in Seston from the Iconic Lake Lesser Prespa, Greece. <b>2018</b> , 10,		7
782	New Screening tool for Obtaining Concentration Statistics of Pollution Generated by Rivers in Estuaries. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 639	3	1
781	Horizontal Circulation Patterns in a Large Shallow Lake: Taihu Lake, China. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 792	3	9
780	Nutrient limitation of benthic algae in Lake Baikal, Russia. <b>2018</b> , 37, 472-482		10
779	The Control of Nutrient Run-Off from Agricultural Areas: Insights into Governance from Australia's Sugarcane Industry and the Great Barrier Reef. <b>2018</b> , 7, 451-468		7
778	Adsorption of ammonium on clinoptilolite in presence of competing cations: Investigation on groundwater remediation. <b>2018</b> , 198, 480-487		54
777	Development of lanthanum hydroxide loaded on molecular sieve adsorbent and mechanistic study for phosphate removal. <b>2018</b> , 768, 953-961		19
776	Estuaries as Sources and Sinks of N <sub>2</sub> O Across a Land Use Gradient in Subtropical Australia. <b>2018</b> , 32, 877-894		31
775	Microbial Nitrogen Cycle Hotspots in the Plant-Bed/Ditch System of a Constructed Wetland with NO Mitigation. <b>2018</b> , 52, 6226-6236		47
774	Phosphorus retention and internal loading in the Bay of Quinte, Lake Ontario, using diagenetic modelling. <i>Science of the Total Environment</i> , <b>2018</b> , 636, 39-51	10.2	22

773	Synergistic removal effect of P in sediment of all fractions by combining the modified bentonite granules and submerged macrophyte. <i>Science of the Total Environment</i> , <b>2018</b> , 626, 458-467	10.2	20
772	Multiple-stressor effects of sediment, phosphorus and nitrogen on stream macroinvertebrate communities. <i>Science of the Total Environment</i> , <b>2018</b> , 637-638, 577-587	10.2	30
771	The morphological and molecular detection for the presence of toxic <i>Cylindrospermopsis</i> (Nostocales, Cyanobacteria) in Beijing city, China. <b>2018</b> , 36, 263-272		7
770	Effects of winter weather and mixing regime on the restoration of a deep perialpine lake (Lake Lugano, Switzerland and Italy). <b>2018</b> , 824, 229-242		11
769	Review of metal (hydr)oxide and other adsorptive materials for phosphate removal from water. <b>2018</b> , 6, 5269-5286		101
768	Prediction of starry stonewort ( <i>Nitellopsis obtusa</i> ) invasion risk in upper Midwest (USA) lakes using ecological niche models. <b>2018</b> , 151, 43-50		3
767	Toward sensitive determination of ammonium in field: A novel fluorescent probe, 4,5-dimethoxyphthalaldehyde along with a hand-held portable laser diode fluorometer. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 276, 356-361	8.5	10
766	Recirculation of human-derived nutrients from cities to agriculture across six continents. <b>2018</b> , 1, 427-435		63
765	Long-term effects of nutrient enrichment controlling plant species and functional composition in a boreal rich fen. <b>2018</b> , 29, 907-920		9
764	Self-Assembly of an Anion-Binding Cryptand for the Selective Encapsulation, Sequestration, and Precipitation of Phosphate from Aqueous Systems. <b>2018</b> , 57, 13071-13075		17
763	National-scale evaluation of phosphorus emissions and the related water-quality risk hotspots accompanied by increased agricultural production. <b>2018</b> , 267, 33-41		10
762	Interactive effects of dissolved nitrogen, phosphorus and litter chemistry on stream fungal decomposers. <b>2018</b> , 94,		12
761	Decomposition of <i>Wolffia arrhiza</i> residues rapidly increases mineral nitrogen and decreases extractable phosphorus in acidic soils. <b>2018</b> , 190, 510		1
760	Probabilistic Forecasting of Nitrogen Dynamics in Hyporheic Zone. <b>2018</b> , 54, 4417-4431		4
759	A Meta-Analysis on the Effect of Agricultural Conservation Practices on Nutrient Loss. <b>2018</b> , 47, 1172-1178		5
758	Trade and the role of non-food commodities for global eutrophication. <b>2018</b> , 1, 314-321		39
757	Density and biotic interactions modify the combined effects of global and local stressors. <b>2018</b> , 127, 1746-1758		9
756	Causes of Harmful Algal Blooms. <b>2018</b> , 1-38		6

755	Impact of industrial phosphate waste discharge on the marine environment in the Gulf of Gabes (Tunisia). <b>2018</b> , 13, e0197731		28
754	Denitrification and the controlling factors in Yunnan Plateau Lakes (China): Exploring the role of enhanced internal nitrogen cycling by algal blooms. <b>2019</b> , 76, 349-358		14
753	Comprehensive simulation of nitrate transport in coupled surface-subsurface hydrologic systems using the linked SWAT-MODFLOW-RT3D model. <b>2019</b> , 122, 104242		37
752	Management Options to Reduce Phosphorus Leaching from Vegetated Buffer Strips. <b>2019</b> , 48, 322-329		11
751	Effect of zirconium-modified zeolite addition on phosphorus mobilization in sediments. <i>Science of the Total Environment</i> , <b>2019</b> , 646, 144-157	10.2	31
750	Impacts of water residence time on nitrogen budget of lakes and reservoirs. <i>Science of the Total Environment</i> , <b>2019</b> , 646, 75-83	10.2	28
749	Enhanced removal of nitrate and phosphate from wastewater by <i>Chlorella vulgaris</i> : Multi-objective optimization and CFD simulation. <b>2019</b> , 27, 639-648		13
748	Relationship between water quality variations and land use in the Batutegei Dam Watershed, Sekampung, Indonesia. <b>2019</b> , 24, 93-101		4
747	Coupled benthic-hyporheic responses of macroinvertebrates to surface water pollution in a gravel-bed river. <b>2019</b> , 38, 591-604		4
746	A Novel Approach for Deriving Nutrient Criteria to Support Good Ecological Status: Application to Coastal and Transitional Waters and Indications for Use. <b>2019</b> , 6,		11
745	Determining keystone species complexes and macroscopic properties for improving ecosystem-based conservation practices in coral reefs along the western Caribbean Sea (Mexico and Honduras). <b>2019</b> , 29, 1971-1987		3
744	Simultaneous control of nitrogen and phosphorus release from sediments using iron-modified zeolite as capping and amendment materials. <b>2019</b> , 249, 109369		23
743	Winter Phosphorus Release from Cover Crops and Linkages with Runoff Chemistry. <b>2019</b> , 48, 907-914		19
742	Improvement of the process of removing phosphorus from high-phosphorus distillery effluent by ferric chloride using response surface methodology and three-step method. <b>2019</b> , 79, 2046-2055		1
741	A novel screening tool for the health risk in recreational waters near estuary: The Carrying Capacity indicator. <i>Science of the Total Environment</i> , <b>2019</b> , 694, 133584	10.2	4
740	Coral degradation alters predator odour signatures and influences prey learning and survival. <b>2019</b> , 286, 20190562		4
739	The impact of atmospheric acid deposition on tree growth and forest understory vegetation in the Athabasca Oil Sands Region. <i>Science of the Total Environment</i> , <b>2019</b> , 696, 133877	10.2	10
738	Sewage contamination under water scarcity effects on stream biota: biofilm, grazers, and their interaction. <b>2019</b> , 26, 26636-26645		3

737	Combined use of calcium nitrate addition and anion exchange resin capping to control sedimentary phosphorus release and its nitrate-nitrogen releasing risk. <i>Science of the Total Environment</i> , <b>2019</b> , 689, 203-214	10.2	10
736	Fate and transport processes of phosphorous fractions in selected surface sediments of Cochin Estuary, Southwest Coast of India. <b>2019</b> , 20, 234-250		2
735	Process optimization of anammox-driven hydroxyapatite crystallization for simultaneous nitrogen removal and phosphorus recovery. <b>2019</b> , 290, 121779		22
734	Biotic factors drive distinct DNRA potential rates and contributions in typical Chinese shallow lake sediments. <i>Environmental Pollution</i> , <b>2019</b> , 254, 112903	9.3	24
733	Testing mechanisms underlying responses of plant functional traits to flooding duration gradient in a lakeshore meadow. <b>2019</b> , 34, 481-495		7
732	Latitude, distance offshore and local environmental features as modulators of zooplankton assemblages across the NE Atlantic Shelves Province. <b>2019</b> , 41, 293-308		1
731	Cage aquaculture in Neotropical waters promotes attraction and aggregation of fish. <i>Aquaculture Research</i> , <b>2019</b> , 50, 2896-2906	1.9	2
730	Eutrophication forcings on a peri-urban lake ecosystem: Context for integrated watershed to airshed management. <b>2019</b> , 14, e0219241		16
729	Histological alterations of selected tissues (gill, liver, kidney and stomach) in two common fish species within two eutrophic peri-urban lakes in Zimbabwe. <b>2019</b> , 44, 155-162		1
728	Magnetite-modified activated carbon based capping and mixing technology for sedimentary phosphorus release control. <b>2019</b> , 248, 109287		17
727	Dynamical effects of retention structures on the mitigation of lake eutrophication. <b>2019</b> , 119, 309-326		6
726	Fatty acids, C and N dynamics and stable isotope ratios during experimental degradation of shrimp pond effluents in mangrove water. <b>2019</b> , 150, 104751		4
725	Recent Progress on Adsorption Materials for Phosphate Removal. <b>2019</b> , 13, 3-16		23
724	Catchment Water Resources. <b>2019</b> , 153-178		0
723	Detecting Amphibians in Agricultural Landscapes Using Environmental DNA Reveals the Importance of Wetland Condition. <b>2019</b> , 38, 2750-2763		5
722	Resilience to changes in lake trophic state: Nutrient allocation into resting eggs. <b>2019</b> , 9, 12813-12825		4
721	Influence of physico-chemical parameters and pCO <sub>2</sub> concentration on mangroves-associated polychaetes at Pichavaram, southeast coast of India. <b>2019</b> , 1, 1		0
720	Socio-ecological mechanisms for persistence of native Australian grasses under pressure from nitrogen runoff and invasive species. <b>2019</b> , 413, 108830		1



7 <sup>19</sup>	15N Tracing of Microbial Assimilation, Partitioning and Transport of Fertilisers in Grassland Soils. <b>2019</b> ,		0
7 <sup>18</sup>	Nutrient Concentration Targets to Achieve Periphyton Biomass Objectives Incorporating Uncertainties. <b>2019</b> , 55, 1443-1463		3
7 <sup>17</sup>	Evaluating functional diversity conservation for freshwater fishes resulting from terrestrial protected areas. <b>2019</b> , 64, 2057-2070		2
7 <sup>16</sup>	Contrasting behavior of nitrate and phosphate flux from high flow events on small agricultural and urban watersheds. <b>2019</b> , 145, 141-160		11
7 <sup>15</sup>	High-throughput DNA sequencing reveals the dominance of pico- and other filamentous cyanobacteria in an urban freshwater Lake. <i>Science of the Total Environment</i> , <b>2019</b> , 661, 465-480	10.2	15
7 <sup>14</sup>	A connection cloud model coupled with extenics for water eutrophication evaluation. <b>2019</b> , 12, 659-669		8
7 <sup>13</sup>	Tropic Status Assesment in Segara Anakan Lagoon, Indonesia : Experience in Applying the Trophic Index Trix. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 255, 012032	0.3	
7 <sup>12</sup>	A Generically Parameterized model of Lake eutrophication (GPLake) that links field-, lab- and model-based knowledge. <i>Science of the Total Environment</i> , <b>2019</b> , 695, 133887	10.2	6
7 <sup>11</sup>	Impact of Land Use Land Cover (LULC) Change on Surface Runoff in an Increasingly Urbanized Tropical Watershed. <b>2019</b> , 33, 4087-4103		26
7 <sup>10</sup>	The effects of restored hydrologic connectivity on floodplain trapping vs. release of phosphorus, nitrogen, and sediment along the Pocomoke River, Maryland USA. <b>2019</b> , 138, 334-352		9
7 <sup>09</sup>	Effect of oxoanions on oxidant decay, bromate and brominated disinfection by-product formation during chlorination in the presence of copper corrosion products. <b>2019</b> , 166, 115087		13
7 <sup>08</sup>	N <sub>2</sub> and N <sub>2</sub> O production and emission variation during the flood period of Poyang Lake (China). <b>2019</b> , 81, 1		0
7 <sup>07</sup>	Determination of ammonia nitrogen in natural waters: Recent advances and applications. <b>2019</b> , 24, e00073		27
7 <sup>06</sup>	Multiple-stressor effects of dicyandiamide (DCD) and agricultural stressors on trait-based responses of stream benthic algal communities. <i>Science of the Total Environment</i> , <b>2019</b> , 693, 133305	10.2	3
7 <sup>05</sup>	The insect apocalypse, and why it matters. <b>2019</b> , 29, R967-R971		73
7 <sup>04</sup>	Ecologically relevant biomarkers reveal that chronic effects of nitrate depend on sex and life stage in the invasive fish <i>Gambusia holbrooki</i> . <b>2019</b> , 14, e0211389		5
7 <sup>03</sup>	Effects and control of metal nutrients and species on <i>Microcystis aeruginosa</i> growth and bloom. <b>2019</b> , 91, 21-31		3
7 <sup>02</sup>	Comparative study of six emergent macrophyte species for controlling cyanobacterial blooms in a tropical reservoir. <b>2019</b> , 129, 11-21		8

701	Functional shifts in lake zooplankton communities with hypereutrophication. <b>2019</b> , 64, 608-616		13
700	Phytoplankton functional composition shows higher seasonal variability in a large shallow lake after a eutrophic past. <b>2019</b> , 10, e02684		6
699	Nitrogen transformations differentially affect nutrient-limited primary production in lakes of varying trophic state. <b>2019</b> , 4, 96-104		35
698	Enhanced nitrogen removal and quantitative analysis of removal mechanism in multistage surface flow constructed wetlands for the large-scale treatment of swine wastewater. <b>2019</b> , 246, 575-582		18
697	Characterization of CDOM in reservoirs and its linkage to trophic status assessment across China using spectroscopic analysis. <b>2019</b> , 576, 1-11		18
696	The considerable environmental benefits of seaweed aquaculture in China. <b>2019</b> , 33, 1203-1221		24
695	Influence of environmental parameters on habitat preference of gelatinous zooplankton in various coastal ecosystems, the Straits of Malacca. <b>2019</b> , 30, 100712		4
694	Phosphorus fractions in sediments and their relevance for historical lake eutrophication in the Ponte Tresa basin (Lake Lugano, Switzerland) since 1959. <i>Science of the Total Environment</i> , <b>2019</b> , 685, 806-817	10.2	42
693	Resource recovery from sanitation to enhance ecosystem services. <b>2019</b> , 2, 681-690		32
692	Landscape Planning with Ecosystem Services. <b>2019</b> ,		6
691	Seasonal and Spatial Variation of Dissolved Oxygen and Nutrients in Padaviya Reservoir, Sri Lanka. <b>2019</b> , 2019, 1-11		2
690	Dynamics of Aerobic Anoxygenic Phototrophs along the trophic gradient in the central Adriatic Sea. <b>2019</b> , 164, 112-121		3
689	Life Cycle Assessment of tandem LSC-Si devices. <b>2019</b> , 181, 1-10		5
688	Modelling the effects of physicochemical variables and anthropogenic activities as ecological drivers of <i>Plesiomonas shigelloides</i> distribution and freshwaters quality. <i>Science of the Total Environment</i> , <b>2019</b> , 682, 765-778	10.2	4
687	Temporal and spatial change in phosphate phosphorus concentration and modeling with land-use variation in Sengari reservoir basin, Japan. <b>2019</b> , 17, 131-139		4
686	Anthropogenically driven differences in n-alkane distributions of surface sediments from 19 lakes along the middle Yangtze River, Eastern China. <b>2019</b> , 26, 22472-22484		2
685	Effect of trophic status of a deep-water lake on breeding Great Crested Grebes <i>Podiceps cristatus</i> during a phase of recovery from eutrophication: a long-term study. <b>2019</b> , 66, 1-10		2
684	Taxonomic structure and potential nitrogen metabolism of microbial assemblage in a large hypereutrophic steppe lake. <b>2019</b> , 26, 21151-21160		2

683	Nutrients and metals interactions between water and sediment phases: An urban river case study. <i>Environmental Pollution</i> , <b>2019</b> , 251, 354-362	9.3	25
682	Advances in science and applications of air pollution monitoring: A case study on oil sands monitoring targeting ecosystem protection. <b>2019</b> , 69, 661-709		12
681	Improving the Imbalanced Global Supply Chain of Phosphorus Fertilizers. <b>2019</b> , 7, 638-651		7
680	Precision Agriculture Application for Sustainable Nitrogen Management of <i>Justicia brandegeana</i> Using Optical Sensor Technology. <b>2019</b> , 9, 98		12
679	The problem of agricultural 'diffuse' pollution: Getting to the point. <i>Science of the Total Environment</i> , <b>2019</b> , 677, 700-717	10.2	42
678	Sulfated exopolysaccharide production and nutrient removal by the marine diatom <i>Phaeodactylum tricorutum</i> growing on palm oil mill effluent. <b>2019</b> , 31, 2335-2348		20
677	Impacts of climate change on marine species invasions in northern hemisphere high-latitude ecosystems. <b>2019</b> , 11,		1
676	Impact of eutrophication on root morphological and topological performance in free-floating invasive and native plant species. <b>2019</b> , 836, 123-139		9
675	Mediation of functional gene and bacterial community profiles in the sediments of eutrophic Chaohu Lake by total nitrogen and season. <i>Environmental Pollution</i> , <b>2019</b> , 250, 233-240	9.3	22
674	Application of denitrifying bioreactors for the removal of atrazine in agricultural drainage water. <b>2019</b> , 239, 48-56		8
673	Effect of organic carbon to nitrogen ratio in wastewater on growth, nutrient uptake and lipid accumulation of a mixotrophic microalgae <i>Chlorella</i> sp. <b>2019</b> , 282, 118-124		87
672	Invasive <i>Myriophyllum spicatum</i> and nutrients interact to influence algal assemblages. <b>2019</b> , 156, 1-9		2
671	Simulating the influence of integrated crop-livestock systems on water yield at watershed scale. <b>2019</b> , 239, 385-394		6
670	Flavonol Polymer Technology for Encapsulation of Liquid Phosphorus Fertilizers for Enabling A Slow-Release Process in Soil to Extend Usability and Reduce Leaching. <b>2019</b> , 50, 795-810		
669	Cryptic temporal changes in stock composition explain the decline of a flounder ( spp.) assemblage. <b>2019</b> , 12, 549-559		4
668	Livestock disturbances in Mediterranean temporary ponds: A mesocosm experiment with sheep manure and simulated trampling. <b>2019</b> , 64, 856-869		8
667	Historical Occurrence of Algal Blooms in the Northern Beibu Gulf of China and Implications for Future Trends. <b>2019</b> , 10, 451		19
666	Stream Nitrogen and Phosphorus Loads Are Differentially Affected by Storm Events and the Difference May Be Exacerbated by Conservation Tillage. <b>2019</b> , 53, 5613-5621		18

665	Constructed wetland scale model: organic matter and nutrients removal from the effluent of a fish processing plant. <b>2019</b> , 16, 4181-4192	6
664	Adsorption as a technology to achieve ultra-low concentrations of phosphate: Research gaps and economic analysis. <b>2019</b> , 4, 100029	102
663	Environmental drivers of mollusc assemblage diversity in a system of lowland lentic habitats. <b>2019</b> , 836, 49-64	5
662	Interactive Impacts of Silver and Phosphorus on Autotrophic Biofilm Elemental and Biochemical Quality for a Macroinvertebrate Consumer. <b>2019</b> , 10, 732	5
661	Relationships between diatom metrics based on species nutrient traits and agricultural land use. <b>2019</b> , 191, 228	11
660	A Low-Complexity Machine Learning Nitrate Loss Predictive Model▯owards Proactive Farm Management in a Networked Catchment. <b>2019</b> , 7, 26707-26720	1
659	Elucidation of the microbial diversity in rivers in south-west Victoria, Australia impacted by rural agricultural contamination (dairy farming). <b>2019</b> , 172, 356-363	6
658	Isolation and characterization of hypoxia inducible gene connective tissue growth factor (CTGF) in <i>Labeo rohita</i> . <b>2019</b> , 46, 1683-1691	2
657	Combining policy analyses, exploratory scenarios, and integrated modelling to assess land use policy options. <b>2019</b> , 94, 202-210	6
656	Mechanisms and Model Process Parameters in Bioelectrochemical Wet Phosphate Recovery from Iron Phosphate Sewage Sludge. <b>2019</b> , 7, 5856-5866	10
655	Proximity to wastewater effluent alters behaviour in bluegill sunfish ( <i>Lepomis macrochirus</i> ). <b>2019</b> , 156, 1495-1517	4
654	The assessment of Danau Kota Lake water quality using chemometrics approach. <b>2019</b> , 621, 012019	3
653	Eutrophication and Nutrient Fluxes in Mediterranean Coastal Lagoons. <b>2019</b> , 1-16	2
652	Evaluation of the SWAT model as an integrated management tool in the ▯ vihov drinking water supply catchment. <b>2019</b> , 14, 76-83	2
651	The effect of nano composite on phosphate adsorption in rich black soil. <b>2019</b> , 577, 012060	
650	Effects of nutrient addition on algae pigments during the early stages of phytoplankton bloom. <b>2019</b> , 136, 06033	
649	Modified VG-CL Detection System for Baseline Assessment of Dimethylsulphide and Dimethylsulphoniopropionate in Tropical Atlantic Seawater. <b>2019</b> , 1378, 032027	
648	A Combination of Factors: Tuning the Affinity of Europium Receptors for Phosphate in Water. <b>2019</b> , 58, 16087-16099	15

647	In-channel modifications for improved optical detection of phosphate in a microfluidic chip design. <b>2019,</b>		
646	An Integrated Agriculture, Atmosphere, and Hydrology Modeling System for Ecosystem Assessments. <b>2020,</b> 11, 4645-4668		7
645	Effects of Eutrophication and Different Water Levels on Overwintering of at the Northern Margin of Its Distribution in China. <i>Frontiers in Plant Science</i> , <b>2019,</b> 10, 1261	6.2	4
644	Are we there yet? The long walk towards the development of efficient symbiotic associations between nitrogen-fixing bacteria and non-leguminous crops. <b>2019,</b> 17, 99		51
643	Sandbar Breaches Control of the Biogeochemistry of a Micro-Estuary. <b>2019,</b> 6,		6
642	Phytoplankton and Bacterial Community Structure in Two Chinese Lakes of Different Trophic Status. <b>2019,</b> 7,		10
641	Exploring Silica Stoichiometry on a Large Floodplain Riverscape. <b>2019,</b> 7,		2
640	Assessment of Lake Water Quality and Eutrophication Risk in an Agricultural Irrigation Area: A Case Study of the Chagan Lake in Northeast China. <i>Water (Switzerland)</i> , <b>2019,</b> 11, 2380	3	22
639	Assessment of Landsat 5 Images Atmospherically Corrected with LEDAPS in Water Quality Time Series. <b>2019,</b> 45, 691-706		1
638	Green Criminology and Green Theories of Justice. <b>2019,</b>		7
637	Coupling Water Column and Sediment Biogeochemical Dynamics: Modeling Internal Phosphorus Loading, Climate Change Responses, and Mitigation Measures in Lake Vansjø, Norway. <b>2019,</b> 124, 3847-3866		11
636	Algal uptake of hydrophilic and hydrophobic dissolved organic nitrogen in the eutrophic lakes. <b>2019</b> , 214, 295-302		11
635	An evaluation of high frequency turbidity as a proxy for riverine total phosphorus concentrations. <i>Science of the Total Environment</i> , <b>2019,</b> 651, 103-113	10.2	20
634	Eutrophication: A new wine in an old bottle?. <i>Science of the Total Environment</i> , <b>2019,</b> 651, 1-11	10.2	343
633	Nitrogen release and its influence on anammox bacteria during the decay of <i>Potamogeton crispus</i> with different values of initial debris biomass. <i>Science of the Total Environment</i> , <b>2019,</b> 650, 604-615	10.2	8
632	A pilot-scale deep bed denitrification filter for secondary effluent treatment using sodium acetate as external carbon. <b>2019,</b> 91, 491-499		12
631	Irrigation leads to greater maize yield at higher water productivity and lower environmental costs: a global meta-analysis. <b>2019,</b> 273, 62-69		21
630	Nutrient removal from high ammonium swine wastewater in upflow microaerobic biofilm reactor suffered high hydraulic load. <b>2019,</b> 233, 69-75		18

629	Comparison of the Soil Environment Conservation Act and the Groundwater Act in the Republic of Korea. <b>2019</b> , 21, 344-350		1
628	Nutrient dynamics and eutrophication assessment in the tropical river system of Saigon - Dongnai (southern Vietnam). <i>Science of the Total Environment</i> , <b>2019</b> , 653, 370-383	10.2	62
627	The impact of dietary protein: lipid ratio on growth performance, fatty acid metabolism, product quality and waste output in Atlantic salmon ( <i>Salmo salar</i> ). <b>2019</b> , 501, 191-201		13
626	An automatic reserve flow injection method using vanadium (III) reduction for simultaneous determination of nitrite and nitrate in estuarine and coastal waters. <b>2019</b> , 195, 613-618		11
625	Punching above their weight: Large release of greenhouse gases from small agricultural dams. <b>2019</b> , 25, 721-732		36
624	Nitrogen addition does not reduce the role of spatial asynchrony in stabilising grassland communities. <b>2019</b> , 22, 563-571		33
623	Dissolved oxygen modeling of effluent-dominated macrophyte-rich Silver Bow Creek. <b>2019</b> , 393, 85-97		8
622	Enhanced lake-eutrophication model combined with a fish sub-model using a microcosm experiment. <b>2019</b> , 26, 7550-7565		
621	Fixed bed column evaluation of phosphate adsorption and recovery from aqueous solutions using recycled steel byproducts. <b>2019</b> , 233, 595-602		17
620	Do agricultural pesticides in streams influence riparian spiders?. <i>Science of the Total Environment</i> , <b>2019</b> , 660, 126-135	10.2	19
619	Comprehensive metagenomic analysis reveals the effects of silver nanoparticles on nitrogen transformation in constructed wetlands. <b>2019</b> , 358, 1552-1560		41
618	High nutrient availability leads to weaker top-down control of stream periphyton: Compensatory feeding in <i>Ancylus fluviatilis</i> . <b>2019</b> , 64, 37-45		11
617	Removal of phosphate from aqueous solution by a novel Mg(OH) <sub>2</sub> /ZrO <sub>2</sub> composite: Adsorption behavior and mechanism. <b>2019</b> , 561, 301-314		48
616	Diatom Assemblage Changes in Agricultural Alluvial Plain Streams and Application for Nutrient Management. <b>2019</b> , 48, 83-92		2
615	Resource recovery from pig manure via an integrated approach: A technical and economic assessment for full-scale applications. <b>2019</b> , 272, 582-593		30
614	The Environmental Impact of Cattle Access to Watercourses: A Review. <b>2019</b> , 48, 340-351		21
613	Mitigating river sediment enrichment through the construction of roadside wetlands. <b>2019</b> , 231, 146-154		9
612	Phosphorus recovery from low phosphate-containing solution by electrodialysis. <b>2019</b> , 573, 293-300		41

611	Key Factors Affecting Temporal Variability in Stream Water Quality. <b>2019</b> , 55, 112-129	36
610	Assessment of sediment capping with zirconium-modified bentonite to intercept phosphorus release from sediments. <b>2019</b> , 26, 3501-3516	9
609	Environmental impacts on water resources from summer crops in rainfed and irrigated systems. <b>2019</b> , 232, 514-522	15
608	Nutrient limitation driven dynamics of amino acids and fatty acids in coastal phytoplankton. <b>2019</b> , 64, 302-316	8
607	Long-term effects of pig slurry application on selected soil quality parameters and tissue composition of maize in a subhumid subtropical environment. <b>2019</b> , 36, 143-148	2
606	Effect of pore size distribution and particle size of porous metal oxides on phosphate adsorption capacity and kinetics. <b>2019</b> , 358, 160-169	97
605	Modeling of soil available phosphorus surplus in an intensive wheat/maize rotation production area of the North China Plain. <b>2019</b> , 269, 22-29	9
604	Organic/inorganic hybrid adsorbent for efficient phosphate removal from a reservoir affected by algae bloom. <b>2019</b> , 69, 211-216	10
603	Iron- and aluminium-induced depletion of molybdenum in acidic environments impedes the nitrogen cycle. <b>2019</b> , 21, 152-163	10
602	Variations in abundance and diversity of phytoplankton in the surface waters of the Golden Horn Estuary (Sea of Marmara). <b>2019</b> , 99, 279-290	5
601	A review on lake eutrophication dynamics and recent developments in lake modeling. <b>2019</b> , 19, 155-166	77
600	Ecological sustainability and environmental risks of agricultural intensification in inland valleys in Benin. <b>2019</b> , 21, 1869-1890	9
599	Groundwater nitrate pollution and climate change: learnings from a water balance-based analysis of several aquifers in a western Mediterranean region (Catalonia). <b>2019</b> , 26, 2184-2202	47
598	Effect of precipitation pH and coexisting magnesium ion on phosphate adsorption onto hydrous zirconium oxide. <b>2019</b> , 76, 167-187	29
597	The effect of hydraulic retention time on ammonia and nitrate bio-removal over nitrite process. <b>2020</b> , 41, 1275-1283	3
596	Nitrate removal from water using zero-valent aluminium. <b>2020</b> , 34, 25-36	7
595	Effects of adding readily available carbon to soil on nitrogen losses from cattle urine patches. <b>2020</b> , 63, 529-550	3
594	Nitrogen and phosphorus retention in Danish restored wetlands. <b>2020</b> , 49, 324-336	20

593	Implications of demographic changes and land transformations on surface water quality of rural and urban subbasins of Upper Bhima River basin, Maharashtra, India. <b>2020</b> , 22, 129-171		5
592	Evaluation of phosphate adsorption on zirconium/magnesium-modified bentonite. <b>2020</b> , 41, 586-602		8
591	Green tides select for fast expanding <i>Ulva</i> strains. <i>Science of the Total Environment</i> , <b>2020</b> , 698, 134337	10.2	18
590	Ecosystem history of a tropical reservoir revealed by metals, nutrients and photosynthetic pigments preserved in sediments. <b>2020</b> , 184, 104242		6
589	Seasonal variations in plankton trophic structure under highly eutrophic conditions. <b>2020</b> , 71, 641		
588	Responses of resident (DNA) and active (RNA) microbial communities in fluvial biofilms under different polluted scenarios. <b>2020</b> , 242, 125108		8
587	The interactive effects of climate change and land use on boreal stream fish communities. <i>Science of the Total Environment</i> , <b>2020</b> , 700, 134518	10.2	14
586	Toward sustainable performance of reservoir sedimentation in aquatic environment of Katery lake, Tamil Nadu, India. <b>2020</b> , 17, 933-944		1
585	Emerging Issues in the Water Environment during Anthropocene. <b>2020</b> ,		4
584	Response of Collembola to the addition of nutrients along an altitudinal gradient of tropical montane rainforests. <b>2020</b> , 147, 103382		6
583	Trophic Indicators of Ecological Resilience in a Tidal Lagoon Estuary Following Wastewater Diversion and Earthquake Disturbance. <b>2020</b> , 43, 223-239		3
582	Isolation and characterization of hypoxia inducible heme oxygenase 1 (HMOX1) gene in <i>Labeo rohita</i> . <b>2020</b> , 112, 2327-2333		6
581	Stable Isotopes of Water and Nitrate for the Identification of Groundwater Flowpaths: A Review. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 138	3	17
580	Excess of nitrogen reduces temporal variability of stream diatom assemblages. <i>Science of the Total Environment</i> , <b>2020</b> , 713, 136630	10.2	5
579	Macroalgal Bioindicators of Recovery from Eutrophication in a Tidal Lagoon Following Wastewater Diversion and Earthquake Disturbance. <b>2020</b> , 43, 240-255		4
578	Macroinvertebrate community patterns in relation to leaf-associated periphyton under contrasting light and nutrient conditions in headwater streams. <b>2020</b> , 65, 1270-1287		5
577	Spatially heterogeneous trends in nearshore and offshore chlorophyll a concentrations in lakes Michigan and Huron (1998-2013). <b>2020</b> , 65, 366-378		4
576	Seasonal variation in trophic structure and restoration effects in a deep perialpine lake (Lake Lugano, Switzerland and Italy). <b>2020</b> , 46, 870-880		2



575	Lake recovery from eutrophication: Quantitative response of trophic states to anthropogenic influences. <b>2020</b> , 143, 105697		11
574	Responses of leaf nitrogen and phosphorus allocation patterns to nutrient additions in a temperate freshwater wetland. <b>2020</b> , 110, 105949		6
573	The method controls the story - Sampling method impacts on the detection of pore-water nitrogen concentrations in streambeds. <i>Science of the Total Environment</i> , <b>2020</b> , 709, 136075	10.2	1
572	Phosphorus and Cyanobacteria Precipitation and Sediment Capping in Lake Water Using Alum and Natural Minerals. <b>2020</b> , 146, 04019095		0
571	Tracing nitrate sources with a combined isotope approach ( <b>N</b> , <b>D</b> and <b>B</b> ) in a large mixed-use watershed in southern Alberta, Canada. <i>Science of the Total Environment</i> , <b>2020</b> , 703, 135043	10.2	21
570	Assessment of nutrient and heavy metal contamination in surface sediments of the Xiashan stream, eastern Guangdong Province, China. <b>2020</b> , 27, 25908-25924		6
569	A multi-parameter in-situ water quality analyzer based on a portable document scanner and 3D printed self-sampling cells. <b>2020</b> , 1101, 176-183		2
568	Life cycle environmental impacts of non-cellulosic fermentable carbohydrates for the production of biofuels and chemicals. <b>2020</b> , 25, 548-563		6
567	Algal bioassays detect modeled loading of wastewater-derived nitrogen in coastal waters of O'AHU, HAWAII. <b>2020</b> , 150, 110668		4
566	Assessment of iron-modified calcite/zeolite mixture as a capping material to control sedimentary phosphorus and nitrogen liberation. <b>2020</b> , 27, 3962-3978		3
565	Automatic calibration and improvements on an instream chlorophyll a simulation in the HSPF model. <b>2020</b> , 415, 108835		9
564	Efficient removal of phosphorus from turbid water using chemical sedimentation by FeCl in conjunction with a starch-based flocculant. <b>2020</b> , 170, 115361		26
563	Effects of a fire-retardant on oviposition habitat selection and larval development of the mosquito <i>Culiseta longiareolata</i> . <b>2020</b> , 45, 476-484		2
562	Effect of organic matter derived from algae and macrophyte on anaerobic ammonium oxidation coupled to ferric iron reduction in the sediment of a shallow freshwater lake. <b>2020</b> , 27, 25899-25907		6
561	Responses of arbuscular mycorrhizal fungi to nitrogen addition: A meta-analysis. <b>2020</b> , 26, 7229-7241		25
560	Mapping of Major Land-Use Changes in the Kolleru Lake Freshwater Ecosystem by Using Landsat Satellite Images in Google Earth Engine. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 2493	3	8
559	Do constrained immigration rates and high diversity explain contrasting productivity-diversity patterns measured at different scales?. <b>2020</b> , 194, 481-490		
558	Modelling the impact of runoff generation on agricultural and urban phosphorus loading of the subtropical Poyang Lake (China). <b>2020</b> , 590, 125490		4

557	Reach-Scale Model of Aquatic Vegetation Quantifies N Fate in a Bedrock-Controlled Karst Agroecosystem Stream. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 2458		3
556	Effects of mining and reduced turnover of Ephemeroptera (Insecta) in streams of the Eastern Brazilian Amazon. <b>2020</b> , 24, 1061-1072		1
555	Acid rain mediated nitrogen and sulfur deposition alters soil nitrogen, phosphorus and carbon fractions in a subtropical paddy. <b>2020</b> , 195, 104876		3
554	Disaster Management for 2030 Agenda of the SDG. <b>2020</b> ,		1
553	The influence of cascade reservoir construction on sediment biogenic substance cycle in Lancang River from the perspective of phosphorus fractions. <b>2020</b> , 158, 106051		5
552	Information-measuring system for the eutrophication estimation of the water body. <b>2020</b> , 1515, 022041		
551	Pilot-scale study on the effects of cyanobacterial blooms on <i>Vallisneria natans</i> and biofilms at different phosphorus concentrations. <i>Environmental Pollution</i> , <b>2020</b> , 265, 114996	9-3	2
550	Recent developments in the methods of quantitative analysis of microcystins. <b>2020</b> , 34, e22582		10
549	Removal of Positively Buoyant in Lake Restoration. <b>2020</b> , 12,		9
548	Storm-induced sediment resuspension in the Changjiang River Estuary leads to alleviation of phosphorus limitation. <b>2020</b> , 160, 111628		3
547	Adsorption of phosphate by halloysite (7 Å) nanotubes (HNTs). <b>2020</b> , 55, 184-193		3
546	Eutrophication and restoration in temperate lakes. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2020</b> , 535, 012001	0-3	0
545	Organic carbon accumulation and productivity over the past 130 years in Lake Kawaguchi (central Japan) reconstructed using organic geochemical proxies. <b>2020</b> , 64, 365-377		3
544	Selective Phase Transfer Reagents (OxP-crowns) for Chromogenic Detection of Nitrates Especially Ammonium Nitrate. <b>2020</b> , 26, 13177-13183		4
543	Hybrid Constructed Wetland to Improve Organic Matter and Nutrient Removal. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 2023	3	3
542	Measurement of Total Nitrogen Concentration in Surface Water Using Hyperspectral Band Observation Method. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1842	3	5
541	Self-Assembled Anion-Binding Cryptand for the Selective Liquid-Liquid Extraction of Phosphate Anions. <b>2020</b> , 59, 20480-20484		3
540	Millennial-scale vegetation and climatic changes from an Early to Mid-Holocene lacustrine archive in Central Ganga Plains using multiple biotic proxies. <b>2020</b> , 243, 106474		9

539	Primary productivity and seasonal dynamics of planktonic algae species composition in karst surface waters under different land uses. <b>2020</b> , 591, 125295		4
538	The role of phosphorus and nitrogen on chlorophyll a: Evidence from hundreds of lakes. <b>2020</b> , 185, 116236		30
537	Ammonia Recovery from Hydrolyzed Human Urine by Forward Osmosis with Acidified Draw Solution. <b>2020</b> , 54, 11556-11565		13
536	High nitrogen to phosphorus ratio in a Texas coastal river: origins and implications for nutrient pollution sources and exports. <b>2020</b> , 24, 1		2
535	Adjusting wastewater treatment effluent standards to protect the receiving waters: the case of low-flow rivers in central Spain. <b>2020</b> , 79, 1		1
534	Study on Soil Properties of an Erosion Gully in Yanghe Basin in China. <b>2020</b> , 774, 012133		
533	Outsized nutrient contributions from small tributaries to a Great Lake. <b>2020</b> , 117, 28175-28182		12
532	Comparison of SELDM Simulated Total-Phosphorus Concentrations with Ecological Impervious-Area Criteria. <b>2020</b> , 146, 04020088		1
531	Responses of soil nematode community to monoculture or mixed culture of a grass and a legume forage species in China. <b>2020</b> , 30, 791-800		6
530	Monitoring of ammonia in marine waters using a passive sampler with biofouling resistance and neural network-based calibration. <i>Environmental Pollution</i> , <b>2020</b> , 267, 115457	9.3	3
529	Effects of experimental warming and nutrient enrichment on wetland communities at the Arctic edge. <b>2020</b> , 847, 3677-3690		1
528	Self-Assembled Anion-Binding Cryptand for the Selective Liquid-Liquid Extraction of Phosphate Anions. <b>2020</b> , 132, 20660-20664		2
527	Influence of environmental variables on the distribution and community structure of mesozooplankton in the coastal waters of the eastern Arabian Sea. <b>2020</b> , 39, 101480		
526	Contaminants of the Great Lakes. <b>2020</b> ,		
525	Influence of nutrient enrichment on the growth, recruitment and trophic ecology of a highly invasive freshwater fish. <b>2020</b> , 54, 1029-1039		1
524	Life Cycle Assessment of Upgrading Primary Wastewater Treatment Plants to Secondary Treatment Including a Circular Economy Approach. <b>2020</b> , 13, 117862212093585		11
523	Novel Integrated Biotrickling Filter-Anammox Bioreactor System for the Complete Treatment of Ammonia in Air with Nitrification and Denitrification. <b>2020</b> , 54, 12654-12661		7
522	Submarine groundwater springs are characterized by distinct fish communities. <b>2020</b> , 41, e12610		3

521	Opportunities and challenges of phyto-nanotechnology. <b>2020</b> , 7, 2863-2874		7
520	Re-Envisioning Sanitation As a Human-Derived Resource System. <b>2020</b> , 54, 10446-10459		10
519	Allelopathic effect of <i>Oocystis borgei</i> culture on <i>Microcystis aeruginosa</i> . <b>2020</b> , 1-10		4
518	Trends in chemical pollution and ecological status of Lake Ziway, Ethiopia: a review focussing on nutrients, metals and pesticides. <b>2020</b> , 45, 386-400		10
517	Potential role of common mycorrhizal networks in improving plant growth and soil physicochemical properties under varying nitrogen levels in a grassland ecosystem. <b>2020</b> , 24, e01352		10
516	Application of UAV Imagery to Detect and Quantify Submerged Filamentous Algae and Rooted Macrophytes in a Non-Wadeable River. <b>2020</b> , 12, 3332		7
515	Prediction of available phosphorus in soil: Combined use for crop production and water quality protection. <b>2020</b> , 49, 1575-1584		0
514	Exploring the spatiotemporal water quality variations and their influencing factors in a large floodplain lake in China. <b>2020</b> , 115, 106454		10
513	Legacy effects of drought on nitrate leaching in a temperate mixed forest on karst. <b>2020</b> , 262, 110338		9
512	Comparison of different trophic state indices applied to tropical reservoirs. <b>2020</b> , 25, 214-229		14
511	Scaling responses of leaf nutrient stoichiometry to the lakeshore flooding duration gradient across different organizational levels. <i>Science of the Total Environment</i> , <b>2020</b> , 740, 139740	10.2	4
510	Nutrient uptakes and biochemical composition of <i>Lemna minor</i> in brackish water. <i>Aquaculture Research</i> , <b>2020</b> , 51, 3563-3570	1.9	1
509	What Factors Control the Variations in Abundance, Biomass, and Size of Mesozooplankton in a Subtropical Eutrophic Bay?. <b>2020</b> , 43, 2128-2140		3
508	Nitrogen and Phosphorus Loads in Greek Rivers: Implications for Management in Compliance with the Water Framework Directive. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1531	3	5
507	Stable-isotope based trophic metrics reveal early recovery of tropical crustacean assemblages following a trawl ban. <b>2020</b> , 117, 106610		3
506	Presence and identification of <i>Legionella</i> and <i>Aeromonas</i> spp. in the Great Masurian Lakes system in the context of eutrophication. <b>2020</b> , 79,		0
505	Relationship between turbidity and the benthic community in the preserved Montebello Lakes in Chiapas, Mexico. <b>2020</b> , 71, 824		2
504	Spatiotemporal variation, composition of DIN and its contribution to eutrophication in coastal waters adjacent to Hainan Island, China. <b>2020</b> , 37, 101332		5

503	Fixing our global agricultural system to prevent the next COVID-19. <b>2020</b> , 49, 111-118		20
502	Synthesis and evaluation of zirconia/magnetite/zeolite composite for controlling phosphorus release from sediment: A laboratory study. <b>2020</b> , 151, 105874		3
501	Effects of erythromycin and sulfamethoxazole on <i>Microcystis aeruginosa</i> : Cytotoxic endpoints, production and release of microcystin-LR. <b>2020</b> , 399, 123021		15
500	Implications of climate change for submerged macrophytes: effects of CO <sub>2</sub> , flow velocity and nutrient concentration on <i>Berula erecta</i> . <b>2020</b> , 54, 775-793		3
499	Seasonal variability of sediment controls of nitrogen cycling in an agricultural stream. <b>2020</b> , 148, 31-48		10
498	How Do Eutrophication and Temperature Interact to Shape the Community Structures of Phytoplankton and Fish in Lakes?. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 779	3	7
497	Quantifying Landscape Nutrient Inputs With Spatially Explicit Nutrient Source Estimate Maps. <b>2020</b> , 125, e2019JG005134		11
496	Upscaling nitrogen removal processes in fluvial wetlands and irrigation canals in a patchy agricultural watershed. <b>2020</b> , 28, 297-313		7
495	Chlorophyll <i>a</i> Nutrient Relationships of an Artificial Inland Lagoon Equipped with Seawater Replenishment System in the Northern Red Sea (Gulf of Aqaba). <b>2020</b> , 8, 147		1
494	Specific oceanographic characteristics and phytoplankton responses influencing the primary production around the Ulleung Basin area in spring. <b>2020</b> , 39, 107-122		3
493	Removal of phosphate at low concentration from water by porous PVA/AlO composites. <b>2020</b> , 1-10		1
492	The Effects of pH Change through Liming on Soil N <sub>2</sub> O Emissions. <b>2020</b> , 8, 702		2
491	Combined nanoTiO <sub>2</sub> and nitrogen effects on phytoplankton: a mesocosm approach. <b>2020</b> , 32, 3123-3132		1
490	Competitive feeding interactions between native <i>Ostrea edulis</i> and non-native <i>Crassostrea gigas</i> with implications of introducing <i>C. gigas</i> into commercial aquaculture in the eastern Adriatic Sea. <b>2020</b> , 160, 105051		1
489	Geochemistry of phosphorus release along transect of sediments from a tributary backwater zone in the Three Gorges Reservoir. <i>Science of the Total Environment</i> , <b>2020</b> , 722, 136964	10.2	8
488	Spatial and Seasonal Variations of Sedimentary Organic Matter in a Subtropical Bay: Implication for Human Interventions. <b>2020</b> , 17,		12
487	Study on the characteristics of nitrogen-doped activated carbon fibers to remove nitrate ions by multi-factor analysis. <b>2020</b> , 17, 2563-2570		8
486	The Contribution of Ecosystem Services in Developing Effective and Sustainable Management Practices in Marine Protected Areas. The Case Study of <i>Isola dell'Asinara</i> <b>2020</b> , 12, 1108		3

485	Current development of geopolymer as alternative adsorbent for heavy metal removal. <b>2020</b> , 18, 100684	57
484	Cleaner production strategies for the food industry. <b>2020</b> , 1-34	1
483	Formation of Common Mycorrhizal Networks Significantly Affect Plant Biomass and Soil Properties of the Neighboring Plants under Various Nitrogen Levels. <b>2020</b> , 8,	16
482	The spread of nitrogen compounds in an active groundwater exchange zone within a valuable natural ecosystem. <b>2020</b> , 146, 105746	7
481	Benthic-pelagic coupling in lake energetic food webs. <b>2020</b> , 417, 108928	4
480	Adapting the dynamic LakeMab model to simulate seasonal variations of phosphorus concentration in reservoirs: a case study of Lake Bultière (France). <b>2020</b> , 21, 233-244	
479	Influence of coexisting calcium and magnesium ions on phosphate adsorption onto hydrous iron oxide. <b>2020</b> , 27, 11303-11319	10
478	Fate of Extracellular DNA in the Production of Fertilizers from Source-Separated Urine. <b>2020</b> , 54, 1808-1815	5
477	The shift of phosphorus transfers in global fisheries and aquaculture. <b>2020</b> , 11, 355	16
476	Differential Reactivity of Copper- and Gold-Based Nanomaterials Controls Their Seasonal Biogeochemical Cycling and Fate in a Freshwater Wetland Mesocosm. <b>2020</b> , 54, 1533-1544	17
475	Chronic nitrogen addition promotes dissolved organic carbon accumulation in a temperate freshwater wetland. <i>Environmental Pollution</i> , <b>2020</b> , 260, 114030	9-3 5
474	River dam impacts on biogeochemical cycling. <b>2020</b> , 1, 103-116	147
473	Differential Drawdown of Ammonium, Nitrate, and Urea by Freshwater Chlorophytes and Cyanobacteria. <b>2020</b> , 56, 458-468	4
472	The Effect of Submergence and Eutrophication on the Trait Performance of <i>Wedelia trilobata</i> over Its Congener Native <i>Wedelia chinensis</i> . <i>Water (Switzerland)</i> , <b>2020</b> , 12, 934	3 4
471	Spatiotemporal Variations in Nitrogen and Phosphorus in a Large Man-Made Lake and Their Relationships with Human Activities. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1106	3 4
470	Binational Efforts Addressing Cyanobacterial Harmful Algal Blooms in the Great Lakes. <b>2020</b> , 109-133	5
469	Source identification of phosphorus in the river-lake interconnected system using microbial community fingerprints. <b>2020</b> , 186, 109498	6
468	Assessment of water quality using principal component analysis: a case study of the Marrecas stream basin in Brazil. <b>2021</b> , 42, 4286-4295	10

467	Removal of orthophosphate and dissolved organic phosphorus from synthetic wastewater in a combined struvite precipitation-adsorption system. <b>2020</b> , 8, 103923		7
466	Does external phosphorus loading diminish the effect of sediment dredging on internal phosphorus loading? An in-situ simulation study. <b>2020</b> , 394, 122548		17
465	Environmental context shapes the long-term role of nutrients in driving producer community trajectories in a top-down dominated marine ecosystem. <b>2020</b> , 108, 2456-2472		1
464	Sediment phosphorus release sustains nuisance periphyton growth when nitrogen is not limiting. <b>2020</b> , 79,		1
463	Long-term monitoring reveals decreasing water beetle diversity, loss of specialists and community shifts over the past 28 years. <b>2020</b> , 13, 140-150		13
462	Biogeographic patterns of abundant and rare bacterial and microeukaryotic subcommunities in connected freshwater lake zones subjected to different levels of nutrient loading. <b>2021</b> , 130, 123-132		2
461	Meat, fruit, and vegetable consumption in sub-Saharan Africa: a systematic review and meta-regression analysis. <b>2021</b> , 79, 651-692		9
460	A single semi-analytical algorithm to retrieve chlorophyll-a concentration in oligo-to-hypereutrophic waters of a tropical reservoir cascade. <b>2021</b> , 120, 106913		9
459	Cyanotoxin Analysis and Amino Acid Profiles of Cyanobacterial Food Items from Chad. <b>2021</b> , 39, 72-80		4
458	Toxin Analysis of Freshwater Cyanobacterial and Marine Harmful Algal Blooms on the West Coast of Florida and Implications for Estuarine Environments. <b>2021</b> , 39, 27-35		17
457	Succession of phytoplankton functional groups and driving variables in a young canyon reservoir. <b>2021</b> , 18, 1911-1924		0
456	Unravelling the diversity and assemblage of phytoplankton in homestead ponds of central coastal belt, Bangladesh. <i>Aquaculture Research</i> , <b>2021</b> , 52, 167-184	1.9	0
455	Effect of dietary phosphorus on growth performance, body composition, antioxidant activities and lipid metabolism of juvenile Chinese mitten crab ( <i>Eriocheir sinensis</i> ). <b>2021</b> , 531, 735856		6
454	Contribution of nitrogen sources to streams in mixed-use catchments varies seasonally in a cold temperate region. <i>Science of the Total Environment</i> , <b>2021</b> , 764, 142824	10.2	2
453	Can top-down effects of cypriniform fish be used to mitigate eutrophication effects in medium-sized European rivers?. <i>Science of the Total Environment</i> , <b>2021</b> , 755, 142547	10.2	2
452	Nitrogen in Life Cycle Assessment (LCA) of agricultural crop production systems: Comparative analysis of regionalization approaches. <i>Science of the Total Environment</i> , <b>2021</b> , 763, 143009	10.2	6
451	Interplay between the paradox of enrichment and nutrient cycling in food webs. <b>2021</b> , 130, 95-109		0
450	Hydroponic Chlorophytum comosum cultivating in distinct nutrient concentration, combined with biofilm treating eutrophic water bodies. <b>2021</b> , 35, 593-605		0

449	A 150-year record of black carbon (soot and char) and polycyclic aromatic compounds deposition in Lake Phayao, north Thailand. <i>Environmental Pollution</i> , <b>2021</b> , 269, 116148	9.3	5
448	Nitrogen addition alters composition, diversity, and functioning of microbial communities in mangrove soils: An incubation experiment. <b>2021</b> , 153, 108076		9
447	Filtration for improving surface water quality of a eutrophic lake. <b>2021</b> , 279, 111766		2
446	Waste materials assessment for phosphorus adsorption toward sustainable application in circular economy. <b>2021</b> , 168, 105335		9
445	Enhanced nitrogen and phosphorus adsorption performance and stabilization by novel panda manure biochar modified by CMC stabilized nZVZ composite in aqueous solution: Mechanisms and application potential. <b>2021</b> , 291, 125221		9
444	Water quality sampling methods may bias evaluations of watershed management practices. <i>Science of the Total Environment</i> , <b>2021</b> , 765, 142739	10.2	5
443	Endoglucanase activity of cellulolytic bacteria from lake sediments and its application in hydrophyte degradation. <b>2020</b> , 367,		2
442	In-Situ Measurement of Ammonium in Wastewater Using a Tilted Fiber Grating Sensor. <b>2021</b> , 39, 4055-4061		3
441	Combined impact of land cover, precipitation, and catchment area on discharge and phosphorus in the Mississippi basin's subcatchments. <b>2021</b> , 50, 198-214		0
440	Effects of phosphorus control on primary productivity and deep-water oxygenation: insights from Lake Lugano (Switzerland and Italy). <b>2021</b> , 848, 613-629		2
439	Assessment of nutrient enrichment and heavy metal pollution of headwater streams of Bulawayo, Zimbabwe. <b>2021</b> , 122, 102912		4
438	Nitrogen enrichment mediates the effects of high temperature on the growth, photosynthesis, and biochemical constituents of <i>Gracilaria blodgettii</i> and <i>Gracilaria lemaneiformis</i> . <b>2021</b> , 28, 21256-21265		2
437	Sources, types, and effects of nutrients (N and P) in coastal sediments. <b>2021</b> , 47-78		0
436	Lake restoration time of Lake Taibai (China): a case study based on paleolimnology and ecosystem modeling. 1		0
435	Leather industry waste based biorefinery. <b>2021</b> , 267-304		1
434	Simulating the potential effects of a carp virus fish kill on water quality and phytoplankton in lentic environments. <b>2021</b> ,		1
433	Agricultural Phosphorus Management for Environmental Protection: A Review. <b>2021</b> , 09, 48-81		1
432	Identification of Genome Sequences of Polyphosphate-Accumulating Organisms by Machine Learning. <b>2020</b> , 8, 626221		



431	Interannual and Spatial Variability of Cyanotoxins in the Prespa Lake Area, Greece. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 357	3	3
430	Soil physical and nutritional balance is essential for establishing a healthy microbiome. <b>2021</b> , 381-404		
429	Integrated empirical models to assess nutrient concentration in water resources: case study of a small basin in southeastern Brazil. <b>2021</b> , 28, 23349-23367		1
428	Climate Change-Enhanced Cyanobacteria Domination in Lake Kinneret: A Retrospective Overview. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 163	3	4
427	Source and sink activity of <i>Holcus lanatus</i> in response to absolute and relative supply of nitrogen and phosphorus. <b>2021</b> , 48, 493-502		1
426	Trait-Based Investigation Reveals Patterns of Community Response to Nutrient Enrichment in Coastal Mesic Grassland. <b>2021</b> , 13, 19		1
425	Long-Term Presence of the Island Mass Effect at Rangiroa Atoll, French Polynesia. <b>2021</b> , 7,		1
424	Influence of Land Use Land Cover on River Water Quality in Rural North Wales, UK. <b>2021</b> , 57, 357		2
423	Myxozoan Communities in Two Cyprinid Fishes from Mesotrophic and Eutrophic Rivers. <b>2021</b> , 107, 39-47		
422	Discovery of a large subsoil nitrate reservoir in an arroyo floodplain and associated aquifer contamination.		
421	Growth and reproductive responses of the seagrass <i>Zostera marina</i> to sediment nutrient enrichment. <b>2021</b> , 78, 1160-1173		1
420	Exposure to a common urban pollutant affects the survival and swimming behaviour of creek chub ( <i>Semotilus atromaculatus</i> ). <b>2021</b> , 98, 1410-1420		2
419	Land Cover Effects on Selected Nutrient Compounds in Small Lowland Agricultural Catchments. <b>2021</b> , 10, 182		2
418	The effect of natural and artificial periphytic substrates with biofloc system on shrimp <i>Penaeus vannamei</i> (Boone 1931) culture: growth and immune response. <b>2021</b> , 29, 651-668		0
417	Eutrophication induces shifts in the trophic position of invertebrates in aquatic food webs. <b>2021</b> , 102, e03275		7
416	Spatial Variability of Organic Matter and Phosphorus Cycling in Rhône River Prodelta Sediments (NW Mediterranean Sea, France): a Model-Data Approach. <b>2021</b> , 44, 1765-1789		2
415	Impacts of agrochemical intensification on the assembly and reassembly of a mainland-island model metacommunity.		
414	Inverting nutrient fluxes across the land-water interface - Exploring the potential of zebra mussel ( <i>Dreissena polymorpha</i> ) farming. <b>2021</b> , 281, 111889		0

413	ORT: A workflow linking genome-scale metabolic models with reactive transport codes.	
412	Water quality assessment of the Ganges River during COVID-19 lockdown. <b>2021</b> , 18, 1-8	10
411	Catchment water quality in the year preceding and immediately following restoration of a drained afforested blanket bog. <b>2021</b> , 153, 243-262	2
410	Messaging on Slow Impacts: Applying Lessons Learned from Climate Change Communication to Catalyze and Improve Marine Nutrient Communication. <b>2021</b> , 9,	2
409	Fish-farming bolsters algal fouling and negatively affects condition and reproduction in European pond turtles ( <i>Emys orbicularis</i> ). <b>2021</b> , 108, 12	1
408	Influence of the south-to-north water transfer and the Yangtze River mitigation projects on the water quality of Han River, China. <b>2021</b> , 80, 1	2
407	Green technology for bioremediation of the eutrophication phenomenon in aquatic ecosystems: a review. 1-19	5
406	Silver carp ( <i>Hypophthalmichthys molitrix</i> ) stocking promotes phytoplankton growth by suppression of zooplankton rather than through nutrient recycling: An outdoor mesocosm study. <b>2021</b> , 66, 1074-1088	3
405	Review of Two Mechanical Separation Technologies for the Sustainable Management of Agricultural Phosphorus in Nutrient-Vulnerable Zones. <b>2021</b> , 11, 836	4
404	Changing elemental cycles, stoichiometric mismatches, and consequences for pathogens of primary producers. <b>2021</b> , 130, 1046	1
403	Effect of Maritime Traffic on Water Quality Parameters in Santa Marta, Colombia. <b>2021</b> , 9, 474	
402	The Effects of Hydropower Plants on the Physicochemical Parameters of the Bystrzyca River in Poland. <b>2021</b> , 14, 2075	7
401	How Are Greenhouse Gases Coupled Across Seasons in a Large Temperate River with Differential Land Use?. 1	2
400	Spatiotemporal dynamics of succession and growth limitation of phytoplankton for nutrients and light in a large shallow lake. <b>2021</b> , 194, 116910	12
399	Interaction Between Oxygen Consumption and Carbon Dioxide Emission in a Subtropical Hypoxic Reservoir, Southeastern China. <b>2021</b> , 126, e2020JG006133	2
398	Exponential decay: an approach to model nutrient uptake rates of macrophytes. <b>2021</b> , 23, 1519-1524	
397	Development of fuzzy analytic hierarchy process based water quality model of Upper Ganga river basin, India. <b>2021</b> , 284, 111985	4
396	Rotifers stimulate the specific uptake rate in lotic phototrophic biofilms. <b>2021</b> , 66, 1245-1256	1

395	Assessing interannual variability in nitrogen sourcing and retention through hybrid Bayesian watershed modeling. <b>2021</b> , 25, 2789-2804		0
394	The ecological impacts of multiple environmental stressors on coastal biofilm bacteria. <b>2021</b> , 27, 3166-3178		2
393	Is the Cyanobacterial Bloom Composition Shifting Due to Climate Forcing or Nutrient Changes? Example of a Shallow Eutrophic Reservoir. <b>2021</b> , 13,		2
392	Effects of effluents from wastewater treatment plants on the abiotic and biotic uptake of phosphorus by streambed sediments. 1		1
391	Are benthic nutrient fluxes from intertidal mudflats driven by surface sediment characteristics?. <b>2021</b> , 353, 173-191		
390	Exploring the Suitability of Ecosystem Metabolomes to Assess Imprints of Brownification and Nutrient Enrichment on Lakes. <b>2021</b> , 126, e2020JG005903		0
389	The role of freshwater eutrophication in greenhouse gas emissions: A review. <i>Science of the Total Environment</i> , <b>2021</b> , 768, 144582	10.2	26
388	Delineating the relative contribution of climate related variables to chlorophyll-a and phytoplankton biomass in lakes using the ERA5-Land climate reanalysis data. <b>2021</b> , 196, 117053		7
387	Evaluation of changes in spatial pattern of metals pollution in surface water using multivariate analysis: case study an urban basin from Buenos Aires, Argentina. 1-8		0
386	Influence of plant habitats on denitrification in lowland agricultural streams. <b>2021</b> , 286, 112193		2
385	Environmental impact of peanut skin-reinforced native starch foams modified by acetylation.		4
384	Fresh waters and estuaries of the Great Barrier Reef catchment: Effects and management of anthropogenic disturbance on biodiversity, ecology and connectivity. <b>2021</b> , 166, 112194		1
383	Experimental study on the water purification performance of biochar-modified pervious concrete. <b>2021</b> , 285, 122767		5
382	Heavy metal(loid) risk assessment and nutrient characteristics of sediments from an urban river in Ningbo, China. <b>2021</b> , 14, 1		3
381	Metabolic regime shifts and ecosystem state changes are decoupled in a large river.		4
380	In-situ remediation of nitrogen and phosphorus of beverage industry by potential strains <i>Bacillus</i> sp. (BK1) and <i>Aspergillus</i> sp. (BK2). <b>2021</b> , 11, 12243		0
379	Benthic Invertebrate Indices Show No Response to High Nitrate-Nitrogen in Lowland Agricultural Streams. <b>2021</b> , 232, 1		
378	Non-additive effects of foundation species determine the response of aquatic ecosystems to nutrient perturbation. <b>2021</b> , 102, e03371		1

377	Upgrading municipal lagoons in temperate and cold climates: Total nitrogen removal and phosphorus assimilation at ultra-low temperatures.		2
376	Coupling effects of hydrological characteristics and nutrient load in sediments on the trophic state of reservoirs. <b>2021</b> , 40, 640-649		
375	Does habitat restoration disturb? A case study of a shallow urban water reservoir in western India using cladoceran zooplankton.		
374	Modelling Freshwater Eutrophication with Limited Limnological Data Using Artificial Neural Networks. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 1590	3	6
373	Human perturbation on phosphorus cycles in one of China's most eutrophicated lakes. <b>2021</b> , 4, 100026		1
372	Nutrient limitation of algae and macrophytes in streams: Integrating laboratory bioassays, field experiments, and field data. <b>2021</b> , 16, e0252904		1
371	Hydrological management strategies for the control of algal blooms in regulated lowland rivers. <b>2021</b> , 35, e14171		4
370	Effects of Exogenous 6-Phytase (EC 3.1.3.26) Supplementation on Performance, Calcium and Phosphorous Digestibility, and Bone Mineralisation and Density in Weaned Piglets. <b>2021</b> , 11,		1
369	Development of fish-based indices of biological integrity for Minnesota lakes. <b>2021</b> , 125, 107512		2
368	Dietary supplementation with 25-hydroxycholecalciferol and phytase in growing-finishing pigs: I. Effects on performance, carcass traits, muscle antioxidant capacity and fatty acid profile. <b>2021</b> , 282, 115003		0
367	Integrated approach for quantitative estimation of particulate organic carbon sources in a complex river system. <b>2021</b> , 199, 117194		0
366	Long-term performance of nutrient removal in an integrated constructed wetland. <i>Science of the Total Environment</i> , <b>2021</b> , 779, 146268	10.2	4
365	Sparing or sharing land? Views from agricultural scientists. <b>2021</b> , 259, 109167		3
364	Seasonal transformations of dissolved organic matter and organic phosphorus in a polymictic basin: Implications for redox-driven eutrophication. <b>2021</b> , 573, 120212		5
363	Wastewater effluents cause microbial community shifts and change trophic status. <b>2021</b> , 200, 117206		5
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