

Yong Liu

List of Publications by Year in Descending Order

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Version: 2024-04-19

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

129
papers

2,897
citations

29
h-index

46
g-index

131
ext. papers

3,464
ext. citations

5.8
avg, IF

5.47
L-index

#	Paper	IF	Citations
129	Spatiotemporal variation and hotspots of climate change in the Yangtze River Watershed during 1958-2017. <i>Journal of Chinese Geography</i> , 2022 , 32, 141-155	3.7	0
128	Achieving carbon neutrality enables China to attain its industrial water-use target. <i>One Earth</i> , 2022 ,	8.1	4
127	Buffering effect of suspended particulate matter on phosphorus cycling during transport from rivers to lakes.. <i>Water Research</i> , 2022 , 216, 118350	12.5	1
126	Exploring the type and strength of nonlinearity in water quality responses to nutrient loading reduction in shallow eutrophic water bodies: Insights from a large number of numerical simulations.. <i>Journal of Environmental Management</i> , 2022 , 313, 115000	7.9	0
125	Structural decoupling the sectoral growth from complete energy consumption in China. <i>Energy Strategy Reviews</i> , 2021 , 34, 100634	9.8	7
124	A framework to develop joint nutrient criteria for lake eutrophication management in eutrophic lakes. <i>Journal of Hydrology</i> , 2021 , 594, 125883	6	8
123	Disentangling effects of multiple stressors on matter flow in a lake food web. <i>Ecology and Evolution</i> , 2021 , 11, 9652-9664	2.8	0
122	Internal positive feedback promotes water quality improvement for a recovering hyper-eutrophic lake: A three-dimensional nutrient flux tracking model. <i>Science of the Total Environment</i> , 2021 , 772, 145505	10.2	2
121	Bayesian change point quantile regression approach to enhance the understanding of shifting phytoplankton-dimethyl sulfide relationships in aquatic ecosystems. <i>Water Research</i> , 2021 , 201, 117287	12.5	2
120	Thermal mixing of Lake Erhai (Southwest China) induced by bottom heat transfer: Evidence based on observations and CE-QUAL-W2 model simulations. <i>Journal of Hydrology</i> , 2021 , 603, 126973	6	3
119	Cyanobacterial bloom induces structural and functional succession of microbial communities in eutrophic lake sediments. <i>Environmental Pollution</i> , 2021 , 284, 117157	9.3	4
118	Decline in nitrogen concentrations of eutrophic Lake Dianchi associated with policy interventions during 2002-2018. <i>Environmental Pollution</i> , 2021 , 288, 117826	9.3	3
117	Extraction of connected river networks from multi-temporal remote sensing imagery using a path tracking technique. <i>Remote Sensing of Environment</i> , 2020 , 246, 111868	13.2	6
116	Benthic-pelagic coupling in lake energetic food webs. <i>Ecological Modelling</i> , 2020 , 417, 108928	3	4
115	Influences of eutrophication on methanogenesis pathways and methanogenic microbial community structures in freshwater lakes. <i>Environmental Pollution</i> , 2020 , 260, 114106	9.3	15
114	Ammonium Impacts Methane Oxidation and Methanotrophic Community in Freshwater Sediment. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 250	5.8	8
113	Quinolones antibiotics in the Baiyangdian Lake, China: Occurrence, distribution, predicted no-effect concentrations (PNECs) and ecological risks by three methods. <i>Environmental Pollution</i> , 2020 , 256, 113458	9.3	24

112	Bioaccumulation, trophic transfer, and human health risk of quinolones antibiotics in the benthic food web from a macrophyte-dominated shallow lake, North China. <i>Science of the Total Environment</i> , 2020 , 712, 136557	10.2	22
111	Ecoregional or site-specific lake nutrient criteria? Evidence from ecological fallacy. <i>Ecological Indicators</i> , 2020 , 111, 105989	5.8	6
110	Simulate the forecast capacity of a complicated water quality model using the long short-term memory approach. <i>Journal of Hydrology</i> , 2020 , 581, 124432	6	27
109	Seasonal algal blooms support sediment release of phosphorus via positive feedback in a eutrophic lake: Insights from a nutrient flux tracking modeling. <i>Ecological Modelling</i> , 2020 , 416, 108881	3	22
108	Impacts of climate change mitigation on agriculture water use: A provincial analysis in China. <i>Geography and Sustainability</i> , 2020 , 1, 189-199	7.3	11
107	Towards efficient Low Impact Development: A multi-scale simulation-optimization approach for nutrient removal at the urban watershed. <i>Journal of Cleaner Production</i> , 2020 , 269, 122295	10.3	6
106	What maintains seasonal nitrogen limitation in hyper-eutrophic Lake Dianchi? Insights from stoichiometric three-dimensional numerical modeling. <i>Aquatic Sciences</i> , 2020 , 82, 1	2.5	6
105	Rising middle and rich classes drove China's carbon emissions. <i>Resources, Conservation and Recycling</i> , 2020 , 159, 104839	11.9	9
104	Quantifying the risk of irreversible degradation for ecosystems: A probabilistic method based on Bayesian inference. <i>Ecological Indicators</i> , 2019 , 107, 105621	5.8	1
103	Eutrophication influences methanotrophic activity, abundance and community structure in freshwater lakes. <i>Science of the Total Environment</i> , 2019 , 662, 863-872	10.2	33
102	Dynamics of bacterial communities in a river water treatment wetland. <i>Annals of Microbiology</i> , 2019 , 69, 637-645	3.2	1
101	Using Bayesian change point model to enhance understanding of the shifting nutrients-phytoplankton relationship. <i>Ecological Modelling</i> , 2019 , 393, 120-126	3	9
100	Remote-sensing disturbance detection index to identify spatio-temporal varying flood impact on crop production. <i>Agricultural and Forest Meteorology</i> , 2019 , 269-270, 180-191	5.8	20
99	Denitrification and the controlling factors in Yunnan Plateau Lakes (China): Exploring the role of enhanced internal nitrogen cycling by algal blooms. <i>Journal of Environmental Sciences</i> , 2019 , 76, 349-358	6.4	14
98	Multi-agent hybrid particle swarm optimization (MAHPSO) for wastewater treatment network planning. <i>Journal of Environmental Management</i> , 2019 , 234, 525-536	7.9	14
97	Is ecoregional scale precise enough for lake nutrient criteria? Insights from a novel relationship-based clustering approach. <i>Ecological Indicators</i> , 2019 , 97, 341-349	5.8	3
96	Effects of drought and flood on crop production in China across 1949-2015: spatial heterogeneity analysis with Bayesian hierarchical modeling. <i>Natural Hazards</i> , 2018 , 92, 525-541	3	24
95	Nitrifying activity and ammonia-oxidizing microorganisms in a constructed wetland treating polluted surface water. <i>Science of the Total Environment</i> , 2018 , 628-629, 310-318	10.2	23

94	Hydraulic correction method (HCM) to enhance the efficiency of SRTM DEM in flood modeling. <i>Journal of Hydrology</i> , 2018 , 559, 56-70	6	22
93	Exploring Dynamics of the Chlorophyll a-Total Phosphorus Relationship at the Lake-Specific Scale: a Bayesian Hierarchical Model. <i>Water, Air, and Soil Pollution</i> , 2018 , 229, 1	2.6	6
92	Contrasting patterns of macroinvertebrates inshore vs. offshore in a plateau eutrophic lake: Implications for lake management. <i>Limnologica</i> , 2018 , 70, 10-19	2	5
91	A probabilistic method to enhance understanding of nutrient limitation dynamics of phytoplankton. <i>Ecological Modelling</i> , 2018 , 368, 404-410	3	7
90	Seasonal and spatial dynamics of denitrification rate and denitrifier community in constructed wetland treating polluted river water. <i>International Biodeterioration and Biodegradation</i> , 2018 , 126, 143-151	4.8	28
89	Decreased takeoff performance of aircraft due to climate change. <i>Climatic Change</i> , 2018 , 151, 463-472	4.5	9
88	Application of an AQUATOX model for direct toxic effects and indirect ecological effects assessment of Polycyclic aromatic hydrocarbons (PAHs) in a plateau eutrophication lake, China. <i>Ecological Modelling</i> , 2018 , 388, 31-44	3	4
87	Anaerobic methane oxidation potential and bacteria in freshwater lakes: Seasonal changes and the influence of trophic status. <i>Systematic and Applied Microbiology</i> , 2018 , 41, 650-657	4.2	14
86	Differences in phytoaccumulation of organic pollutants in freshwater submerged and emergent plants. <i>Environmental Pollution</i> , 2018 , 241, 247-253	9.3	10
85	Identification of watershed priority management areas under water quality constraints: A simulation-optimization approach with ideal load reduction. <i>Journal of Hydrology</i> , 2018 , 562, 577-588	6	29
84	Microbial Biomass and Community Composition Involved in Cycling of Organic Phosphorus in Sediments of Lake Dianchi, Southwest China. <i>Geomicrobiology Journal</i> , 2017 , 34, 249-260	2.5	6
83	Parameter uncertainty-based pattern identification and optimization for robust decision making on watershed load reduction. <i>Journal of Hydrology</i> , 2017 , 547, 708-717	6	5
82	Robustness-Optimality Tradeoff for Watershed Load Reduction Decision Making under Deep Uncertainty. <i>Water Resources Management</i> , 2017 , 31, 3627-3640	3.7	2
81	Identify sectors' role on the embedded CO ₂ transfer networks through China's regional trade. <i>Ecological Indicators</i> , 2017 , 80, 114-123	5.8	23
80	Internal cycling, not external loading, decides the nutrient limitation in eutrophic lake: A dynamic model with temporal Bayesian hierarchical inference. <i>Water Research</i> , 2017 , 116, 231-240	12.5	115
79	Vertical profiles of water and sediment denitrifiers in two plateau freshwater lakes. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 3361-3370	5.7	15
78	Controlling embedded carbon emissions of sectors along the supply chains: A perspective of the power-of-pull approach. <i>Applied Energy</i> , 2017 , 206, 1544-1551	10.7	37
77	Vertical profiles of sediment methanogenic potential and communities in two plateau freshwater lakes. <i>Biogeosciences</i> , 2017 , 14, 341-351	4.6	17

76	Integrated remote sensing imagery and two-dimensional hydraulic modeling approach for impact evaluation of flood on crop yields. <i>Journal of Hydrology</i> , 2017 , 553, 262-275	6	22
75	Trophodynamics of Organic Pollutants in Pelagic and Benthic Food Webs of Lake Dianchi: Importance of Ingested Sediment As Uptake Route. <i>Environmental Science & Technology</i> , 2017 , 51, 14135-14143	10.3	20
74	Spatio-temporal shifts in the archaeal community of a constructed wetland treating river water. <i>Science of the Total Environment</i> , 2017 , 605-606, 269-275	10.2	26
73	Temporal and Spatial Dynamics of Sediment Anaerobic Ammonium Oxidation (Anammox) Bacteria in Freshwater Lakes. <i>Microbial Ecology</i> , 2017 , 73, 285-295	4.4	18
72	A Multi-Objective Chance-Constrained Programming Approach for Uncertainty-Based Optimal Nutrients Load Reduction at the Watershed Scale. <i>Water (Switzerland)</i> , 2017 , 9, 322	3	
71	A refined risk explicit interval linear programming approach for optimal watershed load reduction with objective-constraint uncertainty tradeoff analysis. <i>Frontiers of Environmental Science and Engineering</i> , 2016 , 10, 129-140	5.8	7
70	Ammonia-oxidizing archaea and bacteria in water columns and sediments of a highly eutrophic plateau freshwater lake. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 15358-69	5.1	15
69	Distribution of bacterial communities across plateau freshwater lake and upslope soils. <i>Journal of Environmental Sciences</i> , 2016 , 43, 61-69	6.4	26
68	Spatio-temporal Variation of Sediment Methanotrophic Microorganisms in a Large Eutrophic Lake. <i>Microbial Ecology</i> , 2016 , 71, 9-17	4.4	18
67	Uncertainty-Based Multi-Objective Decision Making with Hierarchical Reliability Analysis Under Water Resources and Environmental Constraints. <i>Water Resources Management</i> , 2016 , 30, 805-822	3.7	12
66	Spatiotemporal variation of planktonic and sediment bacterial assemblages in two plateau freshwater lakes at different trophic status. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 4161-75	5.7	65
65	Sediment Ammonia-Oxidizing Microorganisms in Two Plateau Freshwater Lakes at Different Trophic States. <i>Microbial Ecology</i> , 2016 , 71, 257-65	4.4	30
64	Temporal and Spatial Dynamics of Archaeal Communities in Two Freshwater Lakes at Different Trophic Status. <i>Frontiers in Microbiology</i> , 2016 , 7, 451	5.7	28
63	Is water age a reliable indicator for evaluating water quality effectiveness of water diversion projects in eutrophic lakes?. <i>Journal of Hydrology</i> , 2016 , 542, 281-291	6	37
62	Cross-lake comparisons of physical and biological settling of phosphorus: A phosphorus budget model with Bayesian hierarchical approach. <i>Ecological Modelling</i> , 2016 , 337, 231-240	3	4
61	Evaluating anthropogenic N inputs to diverse lake basins: A case study of three Chinese lakes. <i>Ambio</i> , 2015 , 44, 635-46	6.5	15
60	Distribution of sediment ammonia-oxidizing microorganisms in plateau freshwater lakes. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 4435-44	5.7	26
59	Exploring change of internal nutrients cycling in a shallow lake: A dynamic nutrient driven phytoplankton model. <i>Ecological Modelling</i> , 2015 , 313, 137-148	3	32

58	Distribution of ammonia-oxidizing archaea and bacteria in plateau soils across different land use types. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 6899-909	5.7	8
57	Aerobic and nitrite-dependent methane-oxidizing microorganisms in sediments of freshwater lakes on the Yunnan Plateau. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 2371-81	5.7	40
56	Integrated SWAT model and statistical downscaling for estimating streamflow response to climate change in the Lake Dianchi watershed, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015 , 29, 1193-1210	3.5	28
55	Classification of estuaries in China based on eutrophication susceptibility to nutrient load. <i>Science China Earth Sciences</i> , 2015 , 58, 949-961	4.6	0
54	Methanotrophic community abundance and composition in plateau soils with different plant species and plantation ways. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 9237-44	5.7	5
53	Activity, abundance and structure of ammonia-oxidizing microorganisms in plateau soils. <i>Research in Microbiology</i> , 2015 , 166, 655-63	4	8
52	Scientometric analysis of phosphorus research in eutrophic lakes. <i>Scientometrics</i> , 2015 , 102, 1951-1964	3	24
51	Distribution of sediment bacterial and archaeal communities in plateau freshwater lakes. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 3291-302	5.7	158
50	Six-decade temporal change and seasonal decomposition of climate variables in Lake Dianchi watershed (China): stable trend or abrupt shift?. <i>Theoretical and Applied Climatology</i> , 2015 , 119, 181-191 ³		23
49	Enhanced nonlinearity interval mapping scheme for high-performance simulation-optimization of watershed-scale BMP placement. <i>Water Resources Research</i> , 2015 , 51, 1831-1845	5.4	8
48	An integrated system dynamics model developed for managing lake water quality at the watershed scale. <i>Journal of Environmental Management</i> , 2015 , 155, 11-23	7.9	50
47	A Generalized Interval Fuzzy Chance-Constrained Programming Method for Domestic Wastewater Management Under Uncertainty [A Case Study of Kunming, China]. <i>Water Resources Management</i> , 2015 , 29, 3015-3036	3.7	11
46	Reliability-oriented multi-objective optimal decision-making approach for uncertainty-based watershed load reduction. <i>Science of the Total Environment</i> , 2015 , 515-516, 39-48	10.2	11
45	Impact of Calibration Objective on Hydrological Model Performance in Ungauged Watersheds. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015 , 20, 04014086	1.8	3
44	Uncertainty-based analysis on water quality response to water diversions for Lake Chenghai: A multiple-pattern inverse modeling approach. <i>Journal of Hydrology</i> , 2014 , 514, 1-14	6	29
43	Nonylphenol biodegradation in river sediment and associated shifts in community structures of bacteria and ammonia-oxidizing microorganisms. <i>Ecotoxicology and Environmental Safety</i> , 2014 , 106, 1-5	7	39
42	Bacterioplankton communities in a high-altitude freshwater wetland. <i>Annals of Microbiology</i> , 2014 , 64, 1405-1411	3.2	40
41	Ammonia- and methane-oxidizing microorganisms in high-altitude wetland sediments and adjacent agricultural soils. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 10197-209	5.7	21

40	Depth-related changes of sediment ammonia-oxidizing microorganisms in a high-altitude freshwater wetland. <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 5697-707	5.7	41
39	Spatial distribution of bacterial communities in high-altitude freshwater wetland sediment. <i>Limnology</i> , 2014 , 15, 249-256	1.7	33
38	Interactive decision procedure for watershed nutrient load reduction: An integrated chance-constrained programming model with risk-cost tradeoff. <i>Environmental Modelling and Software</i> , 2014 , 61, 166-173	5.2	7
37	Exploring the Mechanism of Catastrophic Regime Shift in a Shallow Plateau Lake. <i>Developments in Environmental Modelling</i> , 2014 , 411-435	0	
36	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> , 2014 , 468-469, 219-27	10.2	90
35	Combining the SWAT model with sequential uncertainty fitting algorithm for streamflow prediction and uncertainty analysis for the Lake Dianchi Basin, China. <i>Hydrological Processes</i> , 2014 , 28, 521-533	3.3	36
34	Predicting lake water quality responses to load reduction: a three-dimensional modeling approach for total maximum daily load. <i>International Journal of Environmental Science and Technology</i> , 2014 , 11, 423-436	3.3	35
33	A three-dimensional water quality modeling approach for exploring the eutrophication responses to load reduction scenarios in Lake Yilong (China). <i>Environmental Pollution</i> , 2013 , 177, 13-21	9.3	58
32	Sustainability needs and practices assessment in the building industry of China. <i>Energy Policy</i> , 2013 , 57, 212-220	7.2	9
31	Modelling the Effect of Weather Conditions on Cyanobacterial Bloom Outbreaks in Lake Dianchi: a Rough Decision-Adjusted Logistic Regression Model. <i>Environmental Modeling and Assessment</i> , 2013 , 18, 199-207	2	19
30	A risk explicit interval linear programming model for uncertainty-based environmental economic optimization in the Lake Fuxian watershed, China. <i>Scientific World Journal, The</i> , 2013 , 2013, 824078	2.2	2
29	Three-dimensional hydrodynamic and water quality model for TMDL development of Lake Fuxian, China. <i>Journal of Environmental Sciences</i> , 2012 , 24, 1355-63	6.4	43
28	Analysis of cyanobacteria bloom in the Waihai part of Dianchi Lake, China. <i>Ecological Informatics</i> , 2012 , 10, 37-48	4.2	44
27	Guided adaptive optimal decision making approach for uncertainty based watershed scale load reduction. <i>Water Research</i> , 2011 , 45, 4885-95	12.5	11
26	Predicting the Hypoxic-Volume in Chesapeake Bay with the Streeter-Phelps Model: A Bayesian Approach. <i>Journal of the American Water Resources Association</i> , 2011 , 47, 1348-1363	2.1	11
25	Risk Explicit Interval Linear Programming Model for Uncertainty-Based Nutrient-Reduction Optimization for the Lake Qionghai Watershed. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2011 , 137, 83-91	2.8	16
24	REILP Approach for Uncertainty-Based Decision Making in Civil Engineering. <i>Journal of Computing in Civil Engineering</i> , 2010 , 24, 357-364	5	25
23	A nonlinearity interval mapping scheme for efficient waste load allocation simulation-optimization analysis. <i>Water Resources Research</i> , 2010 , 46,	5.4	14

22	Gulf of Mexico hypoxia: exploring increasing sensitivity to nitrogen loads. <i>Environmental Science & Technology</i> , 2010 , 44, 5836-41	10.3	35
21	Analysis of the Chesapeake Bay Hypoxia Regime Shift: Insights from Two Simple Mechanistic Models. <i>Estuaries and Coasts</i> , 2010 , 33, 629-639	2.8	21
20	Exploring the influence of lake water chemistry on chlorophyll a: A multivariate statistical model analysis. <i>Ecological Modelling</i> , 2010 , 221, 681-688	3	46
19	Optimal Land-Use Management for Surface Source Water Protection Under Uncertainty: A Case Study of Songhuaba Watershed (Southwestern China). <i>Water Resources Management</i> , 2009 , 23, 2069-2083	3.7	12
18	Biotic condition assessment and the implication for lake fish conservation: a case study of Lake Qionghai, China. <i>Water and Environment Journal</i> , 2009 , 23, 189-199	1.7	3
17	Exploring estuarine nutrient susceptibility. <i>Environmental Science & Technology</i> , 2009 , 43, 3474-9	10.3	22
16	Remediation of polluted river water by biological contact oxidation process using two types of carriers. <i>International Journal of Environment and Pollution</i> , 2009 , 38, 223	0.7	14
15	A Bayesian hierarchical model for urban air quality prediction under uncertainty. <i>Atmospheric Environment</i> , 2008 , 42, 8464-8469	5.3	28
14	Mixed uncertainty analysis of polycyclic aromatic hydrocarbon inhalation and risk assessment in ambient air of Beijing. <i>Journal of Environmental Sciences</i> , 2008 , 20, 505-12	6.4	41
13	Ecological-Economic modeling as a tool for watershed management: A case study of Lake Qionghai watershed, China. <i>Limnologica</i> , 2008 , 38, 89-104	2	27
12	Water quality modeling for load reduction under uncertainty: a Bayesian approach. <i>Water Research</i> , 2008 , 42, 3305-14	12.5	67
11	Inexact Chance-Constrained Linear Programming Model for Optimal Water Pollution Management at the Watershed Scale. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2008 , 134, 347-356	2.8	24
10	Chemometrics data analysis of marine water quality and source identification in Southern Hong Kong. <i>Marine Pollution Bulletin</i> , 2007 , 54, 745-56	6.7	108
9	Identification and spatial patterns of coastal water pollution sources based on GIS and chemometric approach. <i>Journal of Environmental Sciences</i> , 2007 , 19, 805-10	6.4	19
8	An optimization method based on scenario analysis for watershed management under uncertainty. <i>Environmental Management</i> , 2007 , 39, 678-90	3.1	31
7	ICCLP: an inexact chance-constrained linear programming model for land-use management of lake areas in urban fringes. <i>Environmental Management</i> , 2007 , 40, 966-80	3.1	20
6	Application of multivariate statistical methods to water quality assessment of the watercourses in Northwestern New Territories, Hong Kong. <i>Environmental Monitoring and Assessment</i> , 2007 , 132, 1-13	3.1	155
5	An integrated GIS-based analysis system for land-use management of lake areas in urban fringe. <i>Landscape and Urban Planning</i> , 2007 , 82, 233-246	7.7	91

4	An Interval Fuzzy Multiobjective Watershed Management Model for the Lake Qionghai Watershed, China. <i>Water Resources Management</i> , 2006 , 20, 701-721	3.7	30
3	Dynamic phosphorus budget for lake-watershed ecosystems. <i>Journal of Environmental Sciences</i> , 2006 , 18, 596-603	6.4	6
2	Fuzzy comprehensive evaluation model of ecological demonstration area. <i>Chinese Geographical Science</i> , 2005 , 15, 303-308	2.9	
1	Predicting hydrological alterations to quantitative and localized climate change in plateau regions: A case study of the Lake Dianchi Basin, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 1	3.5	0