Yong Liu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1523907/publications.pdf

Version: 2024-02-01

101384 161609 131 4,010 36 54 h-index citations g-index papers 131 131 131 4221 docs citations times ranked citing authors all docs

#	Article	lF	CITATIONS
1	Predicting hydrological alterations to quantitative and localized climate change in plateau regions: A case study of theÂLake Dianchi Basin,ÂChina. Stochastic Environmental Research and Risk Assessment, 2022, 36, 969-983.	1.9	2
2	Spatiotemporal variation and hotspots of climate change in the Yangtze River Watershed during 1958–2017. Journal of Chinese Geography, 2022, 32, 141-155.	1.5	13
3	Achieving carbon neutrality enables China to attain its industrial water-use target. One Earth, 2022, 5, 188-200.	3.6	25
4	Buffering effect of suspended particulate matter on phosphorus cycling during transport from rivers to lakes. Water Research, 2022, 216, 118350.	5.3	27
5	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. Journal of Environmental Management, 2022, 313, 115000.	3.8	4
6	Imbalance of global nutrient cycles exacerbated by the greater retention of phosphorus over nitrogen in lakes. Nature Geoscience, 2022, 15, 464-468.	5.4	35
7	Structural decoupling the sectoral growth from complete energy consumption in China. Energy Strategy Reviews, 2021, 34, 100634.	3.3	14
8	A framework to develop joint nutrient criteria for lake eutrophication management in eutrophic lakes. Journal of Hydrology, 2021, 594, 125883.	2.3	18
9	Disentangling effects of multiple stressors on matter flow in a lake food web. Ecology and Evolution, 2021, 11, 9652-9664.	0.8	6
10	Internal positive feedback promotes water quality improvement for a recovering hyper-eutrophic lake: A three-dimensional nutrient flux tracking model. Science of the Total Environment, 2021, 772, 145505.	3.9	6
11	Bayesian change point quantile regression approach to enhance the understanding of shifting phytoplankton-dimethyl sulfide relationships in aquatic ecosystems. Water Research, 2021, 201, 117287.	5.3	7
12	Thermal mixing of Lake Erhai (Southwest China) induced by bottom heat transfer: Evidence based on observations and CE-QUAL-W2 model simulations. Journal of Hydrology, 2021, 603, 126973.	2.3	13
13	Cyanobacterial bloom induces structural and functional succession of microbial communities in eutrophic lake sediments. Environmental Pollution, 2021, 284, 117157.	3.7	27
14	Decline in nitrogen concentrations of eutrophic Lake Dianchi associated with policy interventions during 2002–2018. Environmental Pollution, 2021, 288, 117826.	3.7	11
15	Quinolones antibiotics in the Baiyangdian Lake, China: Occurrence, distribution, predicted no-effect concentrations (PNECs) and ecological risks by three methods. Environmental Pollution, 2020, 256, 113458.	3.7	47
16	Bioaccumulation, trophic transfer, and human health risk of quinolones antibiotics in the benthic food web from a macrophyte-dominated shallow lake, North China. Science of the Total Environment, 2020, 712, 136557.	3.9	34
17	Ecoregional or site-specific lake nutrient criteria? Evidence from ecological fallacy. Ecological Indicators, 2020, 111, 105989.	2.6	7
18	Simulate the forecast capacity of a complicated water quality model using the long short-term memory approach. Journal of Hydrology, 2020, 581, 124432.	2.3	64

#	Article	IF	CITATIONS
19	Seasonal algal blooms support sediment release of phosphorus via positive feedback in a eutrophic lake: Insights from a nutrient flux tracking modeling. Ecological Modelling, 2020, 416, 108881.	1.2	34
20	Impacts of climate change mitigation on agriculture water use: A provincial analysis in China. Geography and Sustainability, 2020, 1, 189-199.	1.9	15
21	Towards efficient Low Impact Development: A multi-scale simulation-optimization approach for nutrient removal at the urban watershed. Journal of Cleaner Production, 2020, 269, 122295.	4.6	19
22	What maintains seasonal nitrogen limitation in hyper-eutrophic Lake Dianchi? Insights from stoichiometric three-dimensional numerical modeling. Aquatic Sciences, 2020, 82, 1.	0.6	10
23	Extraction of connected river networks from multi-temporal remote sensing imagery using a path tracking technique. Remote Sensing of Environment, 2020, 246, 111868.	4.6	16
24	Benthic-pelagic coupling in lake energetic food webs. Ecological Modelling, 2020, 417, 108928.	1.2	10
25	Influences of eutrophication on methanogenesis pathways and methanogenic microbial community structures in freshwater lakes. Environmental Pollution, 2020, 260, 114106.	3.7	32
26	Ammonium Impacts Methane Oxidation and Methanotrophic Community in Freshwater Sediment. Frontiers in Bioengineering and Biotechnology, 2020, 8, 250.	2.0	11
27	Rising middle and rich classes drove China's carbon emissions. Resources, Conservation and Recycling, 2020, 159, 104839.	5.3	30
28	Denitrification and the controlling factors in Yunnan Plateau Lakes (China): Exploring the role of enhanced internal nitrogen cycling by algal blooms. Journal of Environmental Sciences, 2019, 76, 349-358.	3.2	29
29	Quantifying the risk of irreversible degradation for ecosystems: A probabilistic method based on Bayesian inference. Ecological Indicators, 2019, 107, 105621.	2.6	2
30	Eutrophication influences methanotrophic activity, abundance and community structure in freshwater lakes. Science of the Total Environment, 2019, 662, 863-872.	3.9	55
31	Dynamics of bacterial communities in a river water treatment wetland. Annals of Microbiology, 2019, 69, 637-645.	1.1	4
32	Using Bayesian change point model to enhance understanding of the shifting nutrients-phytoplankton relationship. Ecological Modelling, 2019, 393, 120-126.	1.2	13
33	Remote-sensing disturbance detection index to identify spatio-temporal varying flood impact on crop production. Agricultural and Forest Meteorology, 2019, 269-270, 180-191.	1.9	36
34	Multi-agent hybrid particle swarm optimization (MAHPSO) for wastewater treatment network planning. Journal of Environmental Management, 2019, 234, 525-536.	3.8	25
35	Is ecoregional scale precise enough for lake nutrient criteria? Insights from a novel relationship-based clustering approach. Ecological Indicators, 2019, 97, 341-349.	2.6	4
36	Effects of drought and flood on crop production in China across 1949–2015: spatial heterogeneity analysis with Bayesian hierarchical modeling. Natural Hazards, 2018, 92, 525-541.	1.6	40

#	Article	IF	Citations
37	Nitrifying activity and ammonia-oxidizing microorganisms in a constructed wetland treating polluted surface water. Science of the Total Environment, 2018, 628-629, 310-318.	3.9	32
38	Hydraulic correction method (HCM) to enhance the efficiency of SRTM DEM in flood modeling. Journal of Hydrology, 2018, 559, 56-70.	2.3	35
39	Exploring Dynamics of the Chlorophyll a-Total Phosphorus Relationship at the Lake-Specific Scale: a Bayesian Hierarchical Model. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	7
40	Contrasting patterns of macroinvertebrates inshore vs. offshore in a plateau eutrophic lake: Implications for lake management. Limnologica, 2018, 70, 10-19.	0.7	6
41	A probabilistic method to enhance understanding of nutrient limitation dynamics of phytoplankton. Ecological Modelling, 2018, 368, 404-410.	1.2	8
42	Seasonal and spatial dynamics of denitrification rate and denitrifier community in constructed wetland treating polluted river water. International Biodeterioration and Biodegradation, 2018, 126, 143-151.	1.9	34
43	Decreased takeoff performance of aircraft due to climate change. Climatic Change, 2018, 151, 463-472.	1.7	19
44	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. Ecological Modelling, 2018, 388, 31-44.	1.2	10
45	Anaerobic methane oxidation potential and bacteria in freshwater lakes: Seasonal changes and the influence of trophic status. Systematic and Applied Microbiology, 2018, 41, 650-657.	1.2	22
46	Differences in phytoaccumulation of organic pollutants in freshwater submerged and emergent plants. Environmental Pollution, 2018, 241, 247-253.	3.7	17
47	Identification of watershed priority management areas under water quality constraints: A simulation-optimization approach with ideal load reduction. Journal of Hydrology, 2018, 562, 577-588.	2.3	46
48	Microbial Biomass and Community Composition Involved in Cycling of Organic Phosphorus in Sediments of Lake Dianchi, Southwest China. Geomicrobiology Journal, 2017, 34, 249-260.	1.0	9
49	Parameter uncertainty-based pattern identification and optimization for robust decision making on watershed load reduction. Journal of Hydrology, 2017, 547, 708-717.	2.3	6
50	Robustness-Optimality Tradeoff for Watershed Load Reduction Decision Making under Deep Uncertainty. Water Resources Management, 2017, 31, 3627-3640.	1.9	2
51	Identify sectors' role on the embedded CO 2 transfer networks through China's regional trade. Ecological Indicators, 2017, 80, 114-123.	2.6	29
52	Internal cycling, not external loading, decides the nutrient limitation in eutrophic lake: A dynamic model with temporal Bayesian hierarchical inference. Water Research, 2017, 116, 231-240.	5.3	160
53	Vertical profiles of water and sediment denitrifiers in two plateau freshwater lakes. Applied Microbiology and Biotechnology, 2017, 101, 3361-3370.	1.7	20
54	Controlling embedded carbon emissions of sectors along the supply chains: A perspective of the power-of-pull approach. Applied Energy, 2017, 206, 1544-1551.	5.1	47

#	Article	IF	Citations
55	Integrated remote sensing imagery and two-dimensional hydraulic modeling approach for impact evaluation of flood on crop yields. Journal of Hydrology, 2017, 553, 262-275.	2.3	27
56	Trophodynamics of Organic Pollutants in Pelagic and Benthic Food Webs of Lake Dianchi: Importance of Ingested Sediment As Uptake Route. Environmental Science & Environmental Science & 2017, 51, 14135-14143.	4.6	31
57	Spatio-temporal shifts in the archaeal community of a constructed wetland treating river water. Science of the Total Environment, 2017, 605-606, 269-275.	3.9	42
58	Temporal and Spatial Dynamics of Sediment Anaerobic Ammonium Oxidation (Anammox) Bacteria in Freshwater Lakes. Microbial Ecology, 2017, 73, 285-295.	1.4	34
59	A Multi-Objective Chance-Constrained Programming Approach for Uncertainty-Based Optimal Nutrients Load Reduction at the Watershed Scale. Water (Switzerland), 2017, 9, 322.	1.2	0
60	Vertical profiles of sediment methanogenic potential and communities in two plateau freshwater lakes. Biogeosciences, 2017, 14, 341-351.	1.3	28
61	A refined risk explicit interval linear programming approach for optimal watershed load reduction with objective-constraint uncertainty tradeoff analysis. Frontiers of Environmental Science and Engineering, 2016, 10, 129-140.	3.3	7
62	Temporal and Spatial Dynamics of Archaeal Communities in Two Freshwater Lakes at Different Trophic Status. Frontiers in Microbiology, 2016, 7, 451.	1.5	37
63	Is water age a reliable indicator for evaluating water quality effectiveness of water diversion projects in eutrophic lakes?. Journal of Hydrology, 2016, 542, 281-291.	2.3	48
64	Cross-lake comparisons of physical and biological settling of phosphorus: A phosphorus budget model with Bayesian hierarchical approach. Ecological Modelling, 2016, 337, 231-240.	1.2	6
65	Ammonia-oxidizing archaea and bacteria in water columns and sediments of a highly eutrophic plateau freshwater lake. Environmental Science and Pollution Research, 2016, 23, 15358-15369.	2.7	18
66	Distribution of bacterial communities across plateau freshwater lake and upslope soils. Journal of Environmental Sciences, 2016, 43, 61-69.	3.2	29
67	Spatio-temporal Variation of Sediment Methanotrophic Microorganisms in a Large Eutrophic Lake. Microbial Ecology, 2016, 71, 9-17.	1.4	29
68	Uncertainty-Based Multi-Objective Decision Making with Hierarchical Reliability Analysis Under Water Resources and Environmental Constraints. Water Resources Management, 2016, 30, 805-822.	1.9	14
69	Spatiotemporal variation of planktonic and sediment bacterial assemblages in two plateau freshwater lakes at different trophic status. Applied Microbiology and Biotechnology, 2016, 100, 4161-4175.	1.7	92
70	Sediment Ammonia-Oxidizing Microorganisms in Two Plateau Freshwater Lakes at Different Trophic States. Microbial Ecology, 2016, 71, 257-265.	1.4	40
71	Enhanced nonlinearity interval mapping scheme for highâ€performance simulationâ€optimization of watershedâ€scale <scp>BMP</scp> placement. Water Resources Research, 2015, 51, 1831-1845.	1.7	12
72	An integrated system dynamics model developed for managing lake water quality at the watershed scale. Journal of Environmental Management, 2015, 155, 11-23.	3.8	61

#	Article	IF	Citations
73	A Generalized Interval Fuzzy Chance-Constrained Programming Method for Domestic Wastewater Management Under Uncertainty – A Case Study of Kunming, China. Water Resources Management, 2015, 29, 3015-3036.	1.9	13
74	Reliability-oriented multi-objective optimal decision-making approach for uncertainty-based watershed load reduction. Science of the Total Environment, 2015, 515-516, 39-48.	3.9	13
75	Impact of Calibration Objective on Hydrological Model Performance in Ungauged Watersheds. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	0.8	6
76	Evaluating anthropogenic N inputs to diverse lake basins: A case study of three Chinese lakes. Ambio, 2015, 44, 635-646.	2.8	21
77	Distribution of sediment ammonia-oxidizing microorganisms in plateau freshwater lakes. Applied Microbiology and Biotechnology, 2015, 99, 4435-4444.	1.7	31
78	Exploring change of internal nutrients cycling in a shallow lake: A dynamic nutrient driven phytoplankton model. Ecological Modelling, 2015, 313, 137-148.	1.2	41
79	Distribution of ammonia-oxidizing archaea and bacteria in plateau soils across different land use types. Applied Microbiology and Biotechnology, 2015, 99, 6899-6909.	1.7	11
80	Aerobic and nitrite-dependent methane-oxidizing microorganisms in sediments of freshwater lakes on the Yunnan Plateau. Applied Microbiology and Biotechnology, 2015, 99, 2371-2381.	1.7	52
81	Integrated SWAT model and statistical downscaling for estimating streamflow response to climate change in the Lake Dianchi watershed, China. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1193-1210.	1.9	38
82	Classification of estuaries in China based on eutrophication susceptibility to nutrient load. Science China Earth Sciences, 2015, 58, 949-961.	2.3	1
83	Methanotrophic community abundance and composition in plateau soils with different plant species and plantation ways. Applied Microbiology and Biotechnology, 2015, 99, 9237-9244.	1.7	8
84	Activity, abundance and structure of ammonia-oxidizing microorganisms in plateau soils. Research in Microbiology, 2015, 166, 655-663.	1.0	10
85	Scientometric analysis of phosphorus research in eutrophic lakes. Scientometrics, 2015, 102, 1951-1964.	1.6	31
86	Distribution of sediment bacterial and archaeal communities in plateau freshwater lakes. Applied Microbiology and Biotechnology, 2015, 99, 3291-3302.	1.7	224
87	Six-decade temporal change and seasonal decomposition of climate variables in Lake Dianchi watershed (China): stable trend or abrupt shift?. Theoretical and Applied Climatology, 2015, 119, 181-191.	1.3	31
88	Exploring the Mechanism of Catastrophic Regime Shift in a Shallow Plateau Lake. Developments in Environmental Modelling, 2014, , 411-435.	0.3	2
89	Quantitative evaluation of lake eutrophication responses under alternative water diversion scenarios: A water quality modeling based statistical analysis approach. Science of the Total Environment, 2014, 468-469, 219-227.	3.9	112
90	Combining the SWAT model with sequential uncertainty fitting algorithm for streamflow prediction and uncertainty analysis for the Lake Dianchi Basin, China. Hydrological Processes, 2014, 28, 521-533.	1.1	46

#	Article	IF	Citations
91	Predicting lake water quality responses to load reduction: a three-dimensional modeling approach for total maximum daily load. International Journal of Environmental Science and Technology, 2014, 11, 423-436.	1.8	38
92	Uncertainty-based analysis on water quality response to water diversions for Lake Chenghai: A multiple-pattern inverse modeling approach. Journal of Hydrology, 2014, 514, 1-14.	2.3	36
93	Nonylphenol biodegradation in river sediment and associated shifts in community structures of bacteria and ammonia-oxidizing microorganisms. Ecotoxicology and Environmental Safety, 2014, 106, 1-5.	2.9	45
94	Bacterioplankton communities in a high-altitude freshwater wetland. Annals of Microbiology, 2014, 64, 1405-1411.	1.1	48
95	Ammonia- and methane-oxidizing microorganisms in high-altitude wetland sediments and adjacent agricultural soils. Applied Microbiology and Biotechnology, 2014, 98, 10197-10209.	1.7	24
96	Depth-related changes of sediment ammonia-oxidizing microorganisms in a high-altitude freshwater wetland. Applied Microbiology and Biotechnology, 2014, 98, 5697-5707.	1.7	48
97	Spatial distribution of bacterial communities in high-altitude freshwater wetland sediment. Limnology, 2014, 15, 249-256.	0.8	38
98	Interactive decision procedure for watershed nutrient load reduction: An integrated chance-constrained programming model with risk–cost tradeoff. Environmental Modelling and Software, 2014, 61, 166-173.	1.9	10
99	A three-dimensional water quality modeling approach for exploring the eutrophication responses to load reduction scenarios in Lake Yilong (China). Environmental Pollution, 2013, 177, 13-21.	3.7	69
100	Sustainability needs and practices assessment in the building industry of China. Energy Policy, 2013, 57, 212-220.	4.2	12
101	Modelling the Effect of Weather Conditions on Cyanobacterial Bloom Outbreaks in Lake Dianchi: a Rough Decision-Adjusted Logistic Regression Model. Environmental Modeling and Assessment, 2013, 18, 199-207.	1.2	25
102	A Risk Explicit Interval Linear Programming Model for Uncertainty-Based Environmental Economic Optimization in the Lake Fuxian Watershed, China. Scientific World Journal, The, 2013, 2013, 1-14.	0.8	3
103	Three-dimensional hydrodynamic and water quality model for TMDL development of Lake Fuxian, China. Journal of Environmental Sciences, 2012, 24, 1355-1363.	3.2	51
104	Analysis of cyanobacteria bloom in the Waihai part of Dianchi Lake, China. Ecological Informatics, 2012, 10, 37-48.	2.3	57
105	Land Use and Landscape Pattern Changes in Chongqing Liangjiang New District. Public Administration Research, 2012, 1, .	0.1	0
106	Guided adaptive optimal decision making approach for uncertainty based watershed scale load reduction. Water Research, 2011, 45, 4885-4895.	5.3	11
107	Predicting the Hypoxic-Volume in Chesapeake Bay with the Streeter-Phelps Model: A Bayesian Approach1. Journal of the American Water Resources Association, 2011, 47, 1348-1363.	1.0	12
108	Risk Explicit Interval Linear Programming Model for Uncertainty-Based Nutrient-Reduction Optimization for the Lake Qionghai Watershed. Journal of Water Resources Planning and Management - ASCE, 2011, 137, 83-91.	1.3	16

#	Article	IF	Citations
109	Analysis of the Chesapeake Bay Hypoxia Regime Shift: Insights from Two Simple Mechanistic Models. Estuaries and Coasts, 2010, 33, 629-639.	1.0	25
110	Exploring the influence of lake water chemistry on chlorophyll a: A multivariate statistical model analysis. Ecological Modelling, 2010, 221, 681-688.	1.2	56
111	REILP Approach for Uncertainty-Based Decision Making in Civil Engineering. Journal of Computing in Civil Engineering, 2010, 24, 357-364.	2.5	27
112	A nonlinearity interval mapping scheme for efficient waste load allocation simulationâ€optimization analysis. Water Resources Research, 2010, 46, .	1.7	18
113	Gulf of Mexico Hypoxia: Exploring Increasing Sensitivity to Nitrogen Loads. Environmental Science & En	4.6	41
114	Optimal Land-Use Management for Surface Source Water Protection Under Uncertainty: A Case Study of Songhuaba Watershed (Southwestern China). Water Resources Management, 2009, 23, 2069-2083.	1.9	14
115	Biotic condition assessment and the implication for lake fish conservation: a case study of Lake Qionghai, China. Water and Environment Journal, 2009, 23, 189-199.	1.0	3
116	Exploring Estuarine Nutrient Susceptibility. Environmental Science & Exploring Estuarine Nutrient Science & Exploring Estua	4.6	29
117	Remediation of polluted river water by biological contact oxidation process using two types of carriers. International Journal of Environment and Pollution, 2009, 38, 223.	0.2	16
118	A Bayesian hierarchical model for urban air quality prediction under uncertainty. Atmospheric Environment, 2008, 42, 8464-8469.	1.9	38
119	Mixed uncertainty analysis of polycyclic aromatic hydrocarbon inhalation and risk assessment in ambient air of Beijing. Journal of Environmental Sciences, 2008, 20, 505-512.	3.2	46
120	Ecological–economic modeling as a tool for watershed management: A case study of Lake Qionghai watershed, China. Limnologica, 2008, 38, 89-104.	0.7	29
121	Water quality modeling for load reduction under uncertainty: A Bayesian approach. Water Research, 2008, 42, 3305-3314.	5.3	71
122	Inexact Chance-Constrained Linear Programming Model for Optimal Water Pollution Management at the Watershed Scale. Journal of Water Resources Planning and Management - ASCE, 2008, 134, 347-356.	1.3	29
123	An integrated GIS-based analysis system for land-use management of lake areas in urban fringe. Landscape and Urban Planning, 2007, 82, 233-246.	3.4	104
124	Chemometrics data analysis of marine water quality and source identification in Southern Hong Kong. Marine Pollution Bulletin, 2007, 54, 745-756.	2.3	121
125	Identification and spatial patterns of coastal water pollution sources based on GIS and chemometric approach. Journal of Environmental Sciences, 2007, 19, 805-810.	3.2	23
126	An Optimization Method Based on Scenario Analysis for Watershed Management Under Uncertainty. Environmental Management, 2007, 39, 678-690.	1.2	38

Yong Liu

#	Article	IF	CITATION
127	ICCLP: An Inexact Chance-Constrained Linear Programming Model for Land-Use Management of Lake Areas in Urban Fringes. Environmental Management, 2007, 40, 966-980.	1.2	21
128	Application of Multivariate Statistical Methods to Water Quality Assessment of the Watercourses in Northwestern New Territories, Hong Kong. Environmental Monitoring and Assessment, 2007, 132, 1-13.	1.3	176
129	An Interval Fuzzy Multiobjective Watershed Management Model for the Lake Qionghai Watershed, China. Water Resources Management, 2006, 20, 701-721.	1.9	35
130	Dynamic phosphorus budget for lake-watershed ecosystems. Journal of Environmental Sciences, 2006, 18, 596-603.	3.2	7
131	Fuzzy comprehensive evaluation model of ecological demonstration area. Chinese Geographical Science, 2005, 15, 303-308.	1.2	O