Xueyi

List of Publications by Year
in descending order

79 papers	818 citations	567247 15 h-index	580810 25 g-index
79 all docs	79 docs citations	79 times ranked	482 citing authors

#	Article	IF	Citations
1	Landscape pattern analysis and ecological network planning of Tianjin City. Urban Forestry and Urban Greening, 2019, 46, 126479.	5.3	102
2	Multi-objective layout optimization for sponge city by annealing algorithm and its environmental benefits analysis. Sustainable Cities and Society, 2021, 66, 102706.	10.4	48
3	Benefits analysis of classification of municipal solid waste based on system dynamics. Journal of Cleaner Production, 2021, 279, 123686.	9.3	47
4	A simulation-based inverse design of preset aircraft cabin environment. Building and Environment, 2014, 82, 20-26.	6.9	41
5	Critical review of magnetic polysaccharide-based adsorbents for water treatment: Synthesis, application and regeneration. Journal of Cleaner Production, 2021, 323, 129118.	9.3	33
6	Applying neural networks to solve the inverse problem of indoor environment. Indoor and Built Environment, 2014, 23, 1187-1195.	2.8	29
7	Modelling the accumulation of microplastics through food webs with the example Baiyangdian Lake, China. Science of the Total Environment, 2021, 762, 144110.	8.0	25
8	Optimization of a premixed cylindrical burner for low pollutant emission. Energy Conversion and Management, 2015, 99, 151-160.	9.2	23
9	The inverse optimization of exhaust hood by using intelligent algorithms and CFD simulation. Powder Technology, 2017, 315, 282-289.	4.2	21
10	Reduction of urban heat island and associated greenhouse gas emissions. Mitigation and Adaptation Strategies for Global Change, 2020, 25, 689-711.	2.1	21
11	Effect of fine structure of chitosan-based flocculants on the flocculation of bentonite and humic acid: Evaluation and modeling. Chemosphere, 2021, 264, 128525.	8.2	21
12	Optimization of gas mixing system of premixed burner based on CFD analysis. Energy Conversion and Management, 2014, 85, 131-139.	9.2	20
13	A spatial quantile regression model for driving mechanism of urban heat island by considering the spatial dependence and heterogeneity: An example of Beijing, China. Sustainable Cities and Society, 2022, 79, 103692.	10.4	17
14	The use of genetic algorithm and self-updating artificial neural network for the inverse design of cabin environment. Indoor and Built Environment, 2017, 26, 347-354.	2.8	16
15	Influence factors and prediction of stormwater runoff of urban green space in Tianjin, China: laboratory experiment and quantitative theory model. Water Science and Technology, 2013, 67, 869-876.	2.5	15
16	Marangoni instability of immiscible liquid–liquid stratified flow with a planar interface in the presence of interfacial mass transfer. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 772-779.	5.3	15
17	The determination for the adhesion of film and substrate by surface acoustic waves. Surface and Coatings Technology, 2007, 201, 9594-9597.	4.8	14
18	Inverse design of aircraft cabin environment by coupling artificial neural network and genetic algorithm. HVAC and R Research, 2014, 20, 836-843.	0.6	14

#	Article	IF	Citations
19	A Dynamic Flow Forecast Model for Urban Drainage Using the Coupled Artificial Neural Network. Water Resources Management, 2019, 33, 3143-3153.	3.9	14
20	Stability of Liquid-Liquid Stratified Microchannel Flow under the Effects of Boundary Slip. International Journal of Chemical Reactor Engineering, 2009, 7, .	1.1	13
21	Numerical simulation of suspended sediment concentration by 3D coupled wave-current model in the Oujiang River Estuary, China. Continental Shelf Research, 2017, 137, 13-24.	1.8	13
22	Performance of casting aluminum-silicon alloy condensing heating exchanger for gas-fired boiler. Heat and Mass Transfer, 2018, 54, 1951-1960.	2.1	13
23	Effects of boundary slip and apparent viscosity on the stability of microchannel flow. Forschung Im Ingenieurwesen/Engineering Research, 2007, 71, 99-106.	1.6	12
24	Transportation and Risk Analysis of Influenza Indoor and Outdoor Transportation and Exposure Risk Analysis of Influenza Aerosol. Indoor and Built Environment, 2012, 21, 614-621.	2.8	12
25	Probabilistic health risk assessment of exposure to carcinogens of Chinese family cooking and influence analysis of cooking factors. Science of the Total Environment, 2021, 779, 146493.	8.0	12
26	Establishment of urban waterlogging pre-warning system based on coupling RBF-NARX neural networks. Water Science and Technology, 2020, 82, 1921-1931.	2.5	12
27	On optimal design and experimental validation of household appliance burner of low pollutant emission. Energy Conversion and Management, 2013, 76, 837-845.	9.2	11
28	Cooking grease particles purification review and technology combination strategy evaluation for commercial kitchens. Building Simulation, 2021, 14, 1597-1617.	5.6	11
29	Analysis of EDL Effects on the Flow and Flow Stability in Microchannels. Journal of Hydrodynamics, 2010, 22, 725-731.	3.2	10
30	Application of EFDC Model to Waterfront Planning: Case Study of Tianjin Harbor Economic Zone, China. Engineering Applications of Computational Fluid Mechanics, 2014, 8, 1-13.	3.1	10
31	Determination of the optimal control parameter range of air supply in an aircraft cabin. Building Simulation, 2015, 8, 465-476.	5.6	10
32	Application of EFDC model to grading the eutrophic state of reservoir: case study in Tianjin Erwangzhuang Reservoir, China. Engineering Applications of Computational Fluid Mechanics, 2017, 11, 111-126.	3.1	10
33	Combined effects of EDL and boundary slip on mean flow and its stability in microchannels. Comptes Rendus - Mecanique, 2010, 338, 181-190.	2.1	9
34	Key food web technique and evaluation of nearshore marine ecological restoration of Bohai Bay. Ocean and Coastal Management, 2014, 95, 1-10.	4.4	9
35	Exploring heating performance of gas engine heat pump with heat recovery. Journal of Central South University, 2016, 23, 1931-1936.	3.0	9
36	Feedback control of the instability of a fluid layer flowing down a vertical cylinder. International Journal of Heat and Mass Transfer, 2002, 45, 4537-4542.	4.8	8

#	Article	IF	Citations
37	Assessment of marine ecosystem health of Tianjin Offshore, China. Oceanological and Hydrobiological Studies, 2013, 42, 442-450.	0.7	7
38	Identification of indoor contaminant source location by a single concentration sensor. Air Quality, Atmosphere and Health, 2015, 8, 115-122.	3.3	7
39	Comparing the linear and logarithm normalized artificial neural networks in inverse design of aircraft cabin environment. Building Simulation, 2016, 9, 729-734.	5.6	7
40	On improvement of water quality of a reservoir by optimizing water exchange. Environmental Progress and Sustainable Energy, 2018, 37, 399-409.	2.3	7
41	Multiple indicators and analytic hierarchy process (AHP) for comprehensive performance evaluation of exhaust hood. Building Simulation, 2022, 15, 1097-1110.	5.6	7
42	On intensive process of quantity and quality improvement of wastewater treatment plant under rainfall conditions. Desalination and Water Treatment, 2015, 53, 330-339.	1.0	6
43	Numerical Simulation of Plant–microbial Remediation for Petroleum-polluted Soil. Soil and Sediment Contamination, 2016, 25, 727-738.	1.9	6
44	Inverse design optimisation of a novel range hood based on intelligent algorithms and computational fluid dynamics simulations. Advanced Powder Technology, 2020, 31, 730-745.	4.1	6
45	Effects of chef operation on oil fume particle collection of household range hood. Environmental Science and Pollution Research, 2020, 27, 23824-23836.	5.3	5
46	Study of water quality response to water transfer patterns in the receiving basin and surrogate model. Environmental Science and Pollution Research, 2022, 29, 24774-24792.	5.3	5
47	Ecological rehabilitation prediction of enhanced key-food-web offshore restoration technique by wall roughening. Ocean and Coastal Management, 2016, 128, 1-9.	4.4	4
48	On the Control Strategies of Initial Period Rainwater Pollution in Tianjin City. , 2010, , .		3
49	An innovative approach to identify environmental variables with conservation priorities in habitat patches. Journal of Environmental Management, 2021, 292, 112788.	7.8	3
50	Simulation of Pathogen Transport around Buildings Based on Three-Dimensional Model. , 2009, , .		2
51	The Study of Pathogen Particles Spread around Buildings by Considering the Pathogen Survival Time in Air. , 2009, , .		2
52	Three-Dimensional Simulation of Pathogen Particles Spread Around Buildings. , 2009, , .		2
53	On structure and maturity changes of the Bohai Sea ecosystem during the 1980s–1990s. Aquatic Ecosystem Health and Management, 2014, 17, 186-195.	0.6	2
54	Determination of the oil spill removal area by oil particle tracking in a harbor. Oceanological and Hydrobiological Studies, 2016, 45, 230-238.	0.7	2

#	Article	IF	Citations
55	The prediction of heat efficiency and pollutant emission of non-rated loaded condensing heat exchangers. Clean Technologies and Environmental Policy, 2018, 20, 2299-2310.	4.1	2
56	Method of Traceability of Pollution Source by Machine Learning. IOP Conference Series: Earth and Environmental Science, 2019, 310, 052082.	0.3	2
57	A sustainable conservation strategy of wildlife in urban ecosystems: Case of Gallinula chloropus in Beijing-Tianjin-Hebei region. Ecological Informatics, 2022, 68, 101571.	5.2	2
58	Active control and a simple estimation method for the onset of Rayleigh-Bï¿½nard convection in temperature-dependent-viscosity liquids. Heat and Mass Transfer, 2003, 40, 75-81.	2.1	1
59	Numerical Simulation of Pathogen Transport Around Buildings. , 2008, , .		1
60	Large Eddy Simulation of Virus Transport Around Buildings. , 2009, , .		1
61	APPLYING SURFACE ACOUSTIC WAVES TECHNIQUE FOR FILM ADHESIVENESS DETERMINATION. Surface Review and Letters, 2009, 16, 287-290.	1.1	1
62	Evaluation of Influenza Virus Exposure Risk in a Building Group. , 2010, , .		1
63	On real-time risk evaluation of accident in water quality control zone. Ecological Indicators, 2018, 93, 123-128.	6.3	1
64	Numerical study of the effect of inner guide vanes on performance of multi-blade centrifugal fan of range hood. IOP Conference Series: Earth and Environmental Science, 2019, 332, 022028.	0.3	1
65	On Optimal Condition of Plantâ€"Microbial Remediation of Petroleum Hydrocarbon Polluted Soil. Soil and Sediment Contamination, 2021, 30, 35-57.	1.9	1
66	PROCESS RESPONSE OF WASTEWATER TREATMENT PLANT UNDER LARGE RAINFALL INFLUENT FLOW. Environmental Engineering and Management Journal, 2016, 15, 2357-2365.	0.6	1
67	Determining of Young&#x2019;s modulus of multi-layered structure by SAWs method. , 2008, , .		0
68	Dynamics simulation of bottom high-sediment sea water movement under waves. Frontiers of Architecture and Civil Engineering in China, 2009, 3, 312-315.	0.4	0
69	Selection method of ecological restoration technology of suburban water system. , 2011, , .		0
70	On selection principle of ecological restoration technology of suburban contaminated soil. , 2011, , .		0
71	Modelling of Cd Transformation in Water. Research Journal of Applied Sciences, Engineering and Technology, 2013, 6, 339-344.	0.1	0
72	A double film model and its application to the stability of liquidâ€"liquid stratified flow. Physica Scripta, 2014, 89, 065001.	2.5	0

#	Article	IF	Citations
73	The numerical study of the thermal performance of a condensing gas-water heater. Numerical Heat Transfer; Part A: Applications, 2018, 74, 1468-1485.	2.1	0
74	A Comprehensive Index for Wind Environment Evaluation of Green Building Arrangement. IOP Conference Series: Earth and Environmental Science, 2019, 310, 022071.	0.3	0
75	The effect of make-up air system on the performance of oil fume collection in commercial kitchen. IOP Conference Series: Earth and Environmental Science, 2019, 332, 022029.	0.3	0
76	A neural network prediction of eutrophication index of mainstream discharged tributary flow in a rainstorm. IOP Conference Series: Earth and Environmental Science, 2019, 371, 032068.	0.3	0
77	An inverse design method for determining the optimal tributary flow into a main stream in a rainstorm period. Water Science and Technology: Water Supply, 2021, 21, 3180-3192.	2.1	0
78	On Regulation of Urban Runoff Pollution Abatement. Advances in Intelligent and Soft Computing, 2011, , 645-650.	0.2	0
79	Optimization of Urban Rainwater Drainage System with Help of Remote Sensing Technology. Advances in Intelligent and Soft Computing, 2011, , 651-656.	0.2	0