Min-Der Lin

List of Publications by Year
in descending order

45 papers	1,592 citations	394421 19 h-index	330143 37 g-index
46 all docs	46 docs citations	46 times ranked	1537 citing authors

#	Article	IF	Citations
1	Genetic algorithm solution of groundwater management models. Water Resources Research, 1994, 30, 1897-1906.	4.2	349
2	Characteristics of two types of stabilized nano zero-valent iron and transport in porous media. Science of the Total Environment, 2010, 408, 2260-2267.	8.0	164
3	Noise mapping in urban environments: A Taiwan study. Applied Acoustics, 2009, 70, 964-972.	3.3	138
4	Design optimization of office building envelope configurations for energy conservation. Applied Energy, 2016, 171, 336-346.	10.1	86
5	Pump-and-Treat Ground-Water Remediation System Optimization. Journal of Water Resources Planning and Management - ASCE, 1996, 122, 128-136.	2.6	80
6	Approximate Mixed-Integer Nonlinear Programming Methods for Optimal Aquifer Remediation Design. Water Resources Research, 1995, 31, 731-740.	4.2	76
7	Multiobjective optimization design of green building envelope material using a non-dominated sorting genetic algorithm. Applied Thermal Engineering, 2017, 111, 1255-1264.	6.0	72
8	Multi-objective optimization design of green building envelopes and air conditioning systems for energy conservation and CO_2 emission reduction. Sustainable Cities and Society, 2021, 64, 102555.	10.4	71
9	Scatter search heuristic for least-cost design of water distribution networks. Engineering Optimization, 2007, 39, 857-876.	2.6	63
10	The application of GIS to air quality analysis in Taichung City, Taiwan, ROC. Environmental Modelling and Software, 2002, 17, 11-19.	4.5	43
11	Use of Geographic Information Systems in Ground-Water Flow Modeling. Journal of Water Resources Planning and Management - ASCE, 1996, 122, 88-96.	2.6	42
12	Wintertime vertical profiles of air pollutants over a suburban area in central Taiwan. Atmospheric Environment, 2002, 36, 2049-2059.	4.1	39
13	Application of immune algorithms on solving minimum-cost problem of water distribution network. Mathematical and Computer Modelling, 2008, 48, 1888-1900.	2.0	38
14	Characteristics, morphology, and stabilization mechanism of PAA250K-stabilized bimetal nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 349, 137-144.	4.7	31
15	Estimating the sound absorption coefficients of perforated wooden panels by using artificial neural networks. Applied Acoustics, 2009, 70, 31-40.	3.3	29
16	Use of a GIS-based hybrid artificial neural network to prioritize the order of pipe replacement in a water distribution network. Environmental Monitoring and Assessment, 2010, 166, 177-189.	2.7	26
17	Optimized allocation of scooter battery swapping station under demand uncertainty. Sustainable Cities and Society, 2021, 71, 102963.	10.4	26
18	Evaluation of SO_2 oxidation and fly ash filtration by an activated carbon fluidized-bed reactor: The effects of acid modification, copper addition and operating condition. Fuel, 2010, 89, 732-742.	6.4	21

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19	Applying tabu search and simulated annealing to the optimal design of sewer networks. Engineering Optimization, 2011, 43, 159-174.	2.6	21
20	Interfacial interaction between CMS layer and substrate: Critical factors affecting membrane microstructure and H2 and CO2 separation performance from CH4. Journal of Membrane Science, 2019, 580, 49-61.	8.2	20
21	Characterizing PAH emission concentrations in ambient air during a large-scale joss paper open-burning event. Journal of Hazardous Materials, 2008, 156, 223-229.	12.4	16
22	Determining aerodynamic roughness using tethersonde and heat flux measurements in an urban area over a complex terrain. Atmospheric Environment, 2003, 37, 1993-2003.	4.1	15
23	Factors Influencing Regional Municipal Solid Waste Management Strategies. Journal of the Air and Waste Management Association, 2008, 58, 957-964.	1.9	15
24	Compromising economic cost and air pollutant emissions of municipal solid waste management strategies by fuzzy multiobjective optimization model. Journal of the Air and Waste Management Association, 2013, 63, 712-723.	1.9	13
25	Characterization of polycyclic aromatic hydrocarbon emission from open burning of joss paper. Atmospheric Environment, 2008, 42, 1692-1701.	4.1	12
26	The influence of matrix structure and thermal annealing-hydrophobic layer on the performance and durability of carbon molecular sieving membrane during physical aging. Journal of Membrane Science, 2015, 495, 294-304.	8.2	12
27	Retrospective assessment of air quality management practices in Taiwan. Atmospheric Environment, 2009, 43, 3925-3934.	4.1	11
28	An economic evaluation and assessment of environmental impact of the municipal solid waste management system for Taichung City in Taiwan. Journal of the Air and Waste Management Association, 2012, 62, 527-540.	1.9	10
29	Evaluation of Solid Waste Management Strategies in the Taipei Metropolitan Area of Taiwan. Journal of the Air and Waste Management Association, 2006, 56, 650-656.	1.9	8
30	Removal the Coal Ash, NO, and SO_2 Simultaneously by the Fluidized-Bed Catalyst Reactor. Energy & Fuels, 2010, 24, 1711-1719.	5.1	6
31	Uniformity control and ultra‒micropore development of tubular carbon membrane for light gas separation. AICHE Journal, 2020, 66, e16226.	3.6	6
32	Vertical Profile of Ozone and Accompanying Air Pollutant Concentrations Observed at a Downwind Foothill Site of Industrial and Urban Areas. Aerosol and Air Quality Research, 2009, 9, 421-434.	2.1	6
33	A multiobjective stochastic location-allocation model for scooter battery swapping stations. Sustainable Energy Technologies and Assessments, 2022, 52, 102079.	2.7	6
34	Development and application of the decision support system for municipal solid waste management in central Taiwan. Waste Management and Research, 2013, 31, 435-446.	3.9	5
35	Optimal Scheduling of Booster Chlorination with Immune Algorithm. , 2008, , .		4
36	Prioritizing Pipe Replacement in a Water Distribution System Using a Seismic-Based Artificial Neural Network Model. Environmental Engineering Science, 2009, 26, 745-752.	1.6	4

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37	Effects of H2O and Particles on the Simultaneous Removal of SO2 and Fly Ash Using a Fluidized-Bed Sorbent/Catalyst Reactor. Industrial & Engineering Chemistry Research, 2009, 48, 10541-10550.	3.7	3
38	Cost analysis for sewer systems constructed by open cut and jacking techniques. , 2009, , .		1
39	Application of evolutionary computing on least-cost water distribution network designs. , 2009, , .		1
40	CHARACTERISTICS AND TRANSPORT PROPERTIES OF TWO MODIFIED ZERO VALENT IRON. , 2009, , .		1
41	Applying Artificial Immune System to Minimize Construction Cost of Water Distribution Networks. , 2008, , .		0
42	APPLICATION OF NOISE MAPPING ON ENVIRONMENTAL MANAGEMENT. , 2009, , .		0
43	A CASE STUDY OF REGIONAL MUNICIPAL SOLID WASTE MANAGEMENT PROGRAM IN TAIWAN. , 2009, , .		0
44	Analytical Solution for Vapor Flow to a Horizontal Well in Unsaturated Soils. , 2014, , .		0
45	Application of Artificial Neural Networks on Predicting Corrosion Rates of Carbon Steel in Taiwan Industrial Zones. , 2017, , .		0