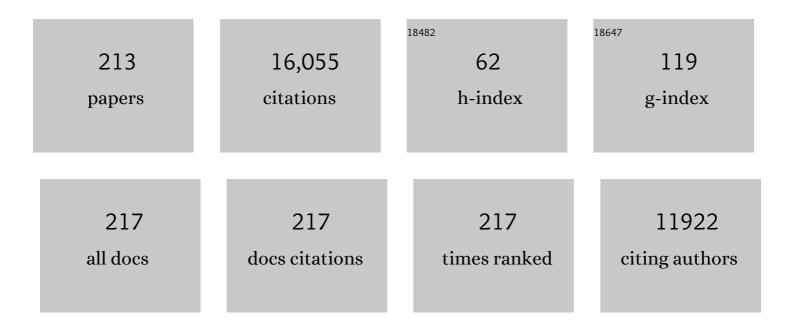
Holger Maier

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Identification of metrics suitable for determining the features of real-world optimisation problems. Environmental Modelling and Software, 2022, 148, 105281.	4.5	5
2	A framework for the mitigation and adaptation from heat-related risks to infrastructure. Sustainable Cities and Society, 2022, 81, 103820.	10.4	4
3	Predicting wildfire induced changes to runoff: A review and synthesis of modeling approaches. Wiley Interdisciplinary Reviews: Water, 2022, 9, .	6.5	5
4	Achieving Robust and Transferable Performance for Conservationâ€Based Models of Dynamical Physical Systems. Water Resources Research, 2022, 58, .	4.2	8
5	Use of exploratory fitness landscape metrics to better understand the impact of model structure on the difficulty of calibrating artificial neural network models. Journal of Hydrology, 2022, 612, 128093.	5.4	1
6	Identifying critical climate conditions for use in scenario-neutral climate impact assessments. Environmental Modelling and Software, 2021, 136, 104948.	4.5	21
7	The Future of Sensitivity Analysis: An essential discipline for systems modeling and policy support. Environmental Modelling and Software, 2021, 137, 104954.	4.5	209
8	A modelling framework and R-package for evaluating system performance under hydroclimate variability and change. Environmental Modelling and Software, 2021, 139, 104999.	4.5	8
9	Guidance framework and software for understanding and achieving system robustness. Environmental Modelling and Software, 2021, 142, 105059.	4.5	10
10	Water quality modeling in sewer networks: Review and future research directions. Water Research, 2021, 202, 117419.	11.3	35
11	Optimising the design and real-time operation of systems of distributed stormwater storages to reduce urban flooding at the catchment scale. Journal of Hydrology, 2021, 602, 126787.	5.4	22
12	Tomorrow's disasters – Embedding foresight principles into disaster risk assessment and treatment. International Journal of Disaster Risk Reduction, 2020, 45, 101437.	3.9	13
13	A hybrid (semi) automatic calibration method for Cellular Automata land-use models: Combining evolutionary algorithms with process understanding. Environmental Modelling and Software, 2020, 134, 104830.	4.5	10
14	The changing nature of the water–energy nexus in urban water supply systems: a critical review of changes and responses. Journal of Water and Climate Change, 2020, 11, 1095-1122.	2.9	26
15	Impact of Scenario Selection on Robustness. Water Resources Research, 2020, 56, e2019WR026515.	4.2	25
16	An active learning approach for identifying the smallest subset of informative scenarios for robust planning under deep uncertainty. Environmental Modelling and Software, 2020, 127, 104681.	4.5	24
17	On the Robustness of Conceptual Rainfallâ€Runoff Models to Calibration and Evaluation Data Set Splits Selection: A Large Sample Investigation. Water Resources Research, 2020, 56, e2019WR026752.	4.2	29
18	Anthropocene flooding: Challenges for science and society. Hydrological Processes, 2020, 34, 1996-2000.	2.6	39

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19	Do Existing Multiobjective Evolutionary Algorithms Use a Sufficient Number of Operators? An Empirical Investigation for Water Distribution Design Problems. Water Resources Research, 2020, 56, e2019WR026031.	4.2	6
20	Exploratory scenario analysis for disaster risk reduction: Considering alternative pathways in disaster risk assessment. International Journal of Disaster Risk Reduction, 2019, 39, 101230.	3.9	23
21	Data Mining to Uncover Heterogeneous Water Use Behaviors From Smart Meter Data. Water Resources Research, 2019, 55, 9315-9333.	4.2	53
22	An integrated framework for selecting and evaluating the performance of stormwater harvesting options to supplement existing water supply systems. Environmental Modelling and Software, 2019, 122, 104554.	4.5	15
23	Generating realistic perturbed hydrometeorological time series to inform scenario-neutral climate impact assessments. Journal of Hydrology, 2019, 576, 111-122.	5.4	18
24	Dynamic, multi-objective optimal design and operation of water-energy systems for small, off-grid islands. Applied Energy, 2019, 250, 605-616.	10.1	43
25	Real-Time, Smart Rainwater Storage Systems: Potential Solution to Mitigate Urban Flooding. Water (Switzerland), 2019, 11, 2428.	2.7	28
26	Optimization of WSUD Systems. , 2019, , 303-328.		1
27	Introductory overview: Optimization using evolutionary algorithms and other metaheuristics. Environmental Modelling and Software, 2019, 114, 195-213.	4.5	169
28	Many-objective portfolio optimization approach for stormwater management project selection encouraging decision maker buy-in. Environmental Modelling and Software, 2019, 111, 340-355.	4.5	36
29	Controlling rainwater storage as a system: An opportunity to reduce urban flood peaks for rare, long duration storms. Environmental Modelling and Software, 2019, 111, 34-41.	4.5	36
30	On Lack of Robustness in Hydrological Model Development Due to Absence of Guidelines for Selecting Calibration and Evaluation Data: Demonstration for Dataâ€Đriven Models. Water Resources Research, 2018, 54, 1013-1030.	4.2	71
31	Robustness Metrics: How Are They Calculated, When Should They Be Used and Why Do They Give Different Results?. Earth's Future, 2018, 6, 169-191.	6.3	142
32	Enhancing the policy relevance of exploratory scenarios: Generic approach and application to disaster risk reduction. Futures, 2018, 99, 1-15.	2.5	21
33	An inverse approach to perturb historical rainfall data for scenario-neutral climate impact studies. Journal of Hydrology, 2018, 556, 877-890.	5.4	39
34	Multi-objective optimisation framework for calibration of Cellular Automata land-use models. Environmental Modelling and Software, 2018, 100, 175-200.	4.5	44
35	Crowdsourcing Methods for Data Collection in Geophysics: State of the Art, Issues, and Future Directions. Reviews of Geophysics, 2018, 56, 698-740.	23.0	90
36	A Comprehensive Framework to Evaluate Hydraulic and Water Quality Impacts of Pipe Breaks on Water Distribution Systems. Water Resources Research, 2018, 54, 8174-8195.	4.2	37

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37	Framework for developing hybrid process-driven, artificial neural network and regression models for salinity prediction in river systems. Hydrology and Earth System Sciences, 2018, 22, 2987-3006.	4.9	33
38	Better Understanding of the Capacity of Pressure Sensor Systems to Detect Pipe Burst within Water Distribution Networks. Journal of Water Resources Planning and Management - ASCE, 2018, 144, .	2.6	30
39	State updating and calibration period selection to improve dynamic monthly streamflow forecasts for an environmental flow management application. Hydrology and Earth System Sciences, 2018, 22, 871-887.	4.9	30
40	Empirically derived method and software for semi-automatic calibration of Cellular Automata land-use models. Environmental Modelling and Software, 2018, 108, 208-239.	4.5	15
41	Impact of evapotranspiration process representation on runoff projections from conceptual rainfallâ€runoff models. Water Resources Research, 2017, 53, 435-454.	4.2	48
42	Improved validation framework and R-package for artificial neural network models. Environmental Modelling and Software, 2017, 92, 82-106.	4.5	49
43	Multiobjective Optimization of Distributed Stormwater Harvesting Systems. Journal of Water Resources Planning and Management - ASCE, 2017, 143, .	2.6	31
44	Robust optimization of water infrastructure planning under deep uncertainty using metamodels. Environmental Modelling and Software, 2017, 93, 92-105.	4.5	78
45	An Adaptive Convergence-Trajectory Controlled Ant Colony Optimization Algorithm With Application to Water Distribution System Design Problems. IEEE Transactions on Evolutionary Computation, 2017, 21, 773-791.	10.0	114
46	Use of a scenario-neutral approach to identify the key hydro-meteorological attributes that impact runoff from a natural catchment. Journal of Hydrology, 2017, 554, 317-330.	5.4	29
47	A tribute in memory of Dr. James (Jim) C. Ascough II. Environmental Modelling and Software, 2017, 97, 211-212.	4.5	0
48	A multi-stakeholder portfolio optimization framework applied to stormwater best management practice (BMP) selection. Environmental Modelling and Software, 2017, 97, 16-31.	4.5	19
49	Review of literature on decision support systems for natural hazard risk reduction: Current status and future research directions. Environmental Modelling and Software, 2017, 96, 378-409.	4.5	81
50	Optimization of irrigation scheduling using ant colony algorithms and an advanced cropping system model. Environmental Modelling and Software, 2017, 97, 32-45.	4.5	58
51	Identification of Optimal Water Supply Portfolios for a Major City. Journal of Water Resources Planning and Management - ASCE, 2017, 143, .	2.6	21
52	Framework for minimising the impact of regional shocks on global food security using multi-objective ant colony optimisation. Environmental Modelling and Software, 2017, 95, 303-319.	4.5	7
53	Sensitivity of potential evapotranspiration to changes in climate variables for different Australian climatic zones. Hydrology and Earth System Sciences, 2017, 21, 2107-2126.	4.9	76
54	Comparison of the Searching Behavior of NSGA-II, SAMODE, and Borg MOEAs Applied to Water Distribution System Design Problems. Journal of Water Resources Planning and Management - ASCE, 2016, 142, .	2.6	74

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55	An uncertain future, deep uncertainty, scenarios, robustness and adaptation: How do they fit together?. Environmental Modelling and Software, 2016, 81, 154-164.	4.5	299
56	Improved Ant Colony Optimization for Optimal Crop and Irrigation Water Allocation by Incorporating Domain Knowledge. Journal of Water Resources Planning and Management - ASCE, 2016, 142, .	2.6	18
57	Use of Domain Knowledge to Increase the Convergence Rate of Evolutionary Algorithms for Optimizing the Cost and Resilience of Water Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 2016, 142, 04016027.	2.6	25
58	Impact of Starting Position and Searching Mechanism on the Evolutionary Algorithm Convergence Rate. Journal of Water Resources Planning and Management - ASCE, 2016, 142, .	2.6	14
59	A bottomâ€up approach to identifying the maximum operational adaptive capacity of water resource systems to a changing climate. Water Resources Research, 2016, 52, 6751-6768.	4.2	83
60	A hybrid approach to monthly streamflow forecasting: Integrating hydrological model outputs into a Bayesian artificial neural network. Journal of Hydrology, 2016, 540, 623-640.	5.4	178
61	An R package for modelling actual, potential and reference evapotranspiration. Environmental Modelling and Software, 2016, 78, 216-224.	4.5	83
62	Framework for computationally efficient optimal crop and water allocation using ant colony optimization. Environmental Modelling and Software, 2016, 76, 37-53.	4.5	29
63	Including stakeholder input in formulating and solving real-world optimisation problems: Generic framework and case study. Environmental Modelling and Software, 2016, 79, 197-213.	4.5	35
64	Integrated Approach for Optimizing the Design of Aquifer Storage and Recovery Stormwater Harvesting Schemes Accounting for Externalities and Climate Change. Journal of Water Resources Planning and Management - ASCE, 2016, 142, .	2.6	19
65	A modified Sobol′ sensitivity analysis method for decision-making in environmental problems. Environmental Modelling and Software, 2016, 75, 15-27.	4.5	25
66	Best practices for conceptual modelling in environmental planning and management. Environmental Modelling and Software, 2016, 80, 113-121.	4.5	51
67	Effect of Storage Tank Size on the Minimization of Water Distribution System Cost and Greenhouse Gas Emissions While Considering Time-Dependent Emissions Factors. Journal of Water Resources Planning and Management - ASCE, 2016, 142, .	2.6	18
68	Adaptive, multiobjective optimal sequencing approach for urban water supply augmentation under deep uncertainty. Water Resources Research, 2015, 51, 1529-1551.	4.2	89
69	A computational software tool for the minimization of costs and greenhouse gas emissions associated with water distribution systems. Environmental Modelling and Software, 2015, 69, 452-467.	4.5	30
70	Assessment of the internal dynamics of the Australian Water Balance Model under different calibration regimes. Environmental Modelling and Software, 2015, 66, 57-68.	4.5	16
71	Improving partial mutual information-based input variable selection by consideration of boundary issues associated with bandwidth estimation. Environmental Modelling and Software, 2015, 71, 78-96.	4.5	19
72	Integrating modelling and smart sensors for environmental and human health. Environmental Modelling and Software, 2015, 74, 238-246.	4.5	77

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73	Optimal Control of Total Chlorine and Free Ammonia Levels in a Water Transmission Pipeline Using Artificial Neural Networks and Genetic Algorithms. Journal of Water Resources Planning and Management - ASCE, 2015, 141, .	2.6	6
74	Scenario driven optimal sequencing under deep uncertainty. Environmental Modelling and Software, 2015, 68, 181-195.	4.5	43
75	Water Distribution System Pumping Operational Greenhouse Gas Emissions Minimization by Considering Time-Dependent Emissions Factors. Journal of Water Resources Planning and Management - ASCE, 2015, 141, .	2.6	21
76	Improved PMI-based input variable selection approach for artificial neural network and other data driven environmental and water resource models. Environmental Modelling and Software, 2015, 65, 15-29.	4.5	54
77	A systematic approach to determining metamodel scope for risk-based optimization and its application to water distribution system design. Environmental Modelling and Software, 2015, 69, 382-395.	4.5	32
78	Improved genetic algorithm optimization of water distribution system design by incorporating domain knowledge. Environmental Modelling and Software, 2015, 69, 370-381.	4.5	113
79	Using characteristics of the optimisation problem to determine the Genetic Algorithm population size when the number of evaluations is limited. Environmental Modelling and Software, 2015, 69, 226-239.	4.5	30
80	Multiobjective optimization of clusterâ€scale urban water systems investigating alternative water sources and level of decentralization. Water Resources Research, 2014, 50, 7915-7938.	4.2	48
81	Optimal sequencing of water supply options at the regional scale incorporating alternative water supply sources and multiple objectives. Environmental Modelling and Software, 2014, 53, 137-153.	4.5	50
82	Assessment of the ability to meet environmental water requirements in the Upper South East of South Australia. Stochastic Environmental Research and Risk Assessment, 2014, 28, 39-56.	4.0	5
83	Battle of the Water Networks II. Journal of Water Resources Planning and Management - ASCE, 2014, 140, .	2.6	92
84	Protocol for developing ANN models and its application to the assessment of the quality of the ANN model development process in drinking water quality modelling. Environmental Modelling and Software, 2014, 54, 108-127.	4.5	229
85	Selection of smoothing parameter estimators for general regression neural networks – Applications to hydrological and water resources modelling. Environmental Modelling and Software, 2014, 59, 162-186.	4.5	49
86	An evaluation framework for input variable selection algorithms for environmental data-driven models. Environmental Modelling and Software, 2014, 62, 33-51.	4.5	163
87	Integrated framework for assessing urban water supply security of systems with non-traditional sources under climate change. Environmental Modelling and Software, 2014, 60, 302-319.	4.5	59
88	The cost–greenhouse gas emission nexus for water distribution systems including the consideration of energy generating infrastructure: an integrated conceptual optimization framework and review of literature. Earth Perspectives – Transdisciplinarity Enabled, 2014, 1, 9.	1.4	20
89	Evolutionary algorithms and other metaheuristics in water resources: Current status, research challenges and future directions. Environmental Modelling and Software, 2014, 62, 271-299.	4.5	477
90	Performance assessment and improvement of recursive digital baseflow filters for catchments with different physical characteristics and hydrological inputs. Environmental Modelling and Software, 2014, 54, 39-52.	4.5	42

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91	An adaptive ant colony optimization framework for scheduling environmental flow management alternatives under varied environmental water availability conditions. Water Resources Research, 2014, 50, 7606-7625.	4.2	33
92	Including adaptation and mitigation responses to climate change in a multiobjective evolutionary algorithm framework for urban water supply systems incorporating GHG emissions. Water Resources Research, 2014, 50, 6285-6304.	4.2	51
93	Robust Staged Development of Water Supply Systems. Procedia Engineering, 2014, 89, 864-869.	1.2	0
94	Selecting among five common modelling approaches for integrated environmental assessment and management. Environmental Modelling and Software, 2013, 47, 159-181.	4.5	578
95	Interpreting streamflow generation mechanisms from integrated surface-subsurface flow models of a riparian wetland and catchment. Water Resources Research, 2013, 49, 5501-5519.	4.2	56
96	Multiobjective optimization of water distribution systems accounting for economic cost, hydraulic reliability, and greenhouse gas emissions. Water Resources Research, 2013, 49, 1211-1225.	4.2	61
97	Framework for assessing and improving the performance of recursive digital filters for baseflow estimation with application to the Lyne and Hollick filter. Environmental Modelling and Software, 2013, 41, 163-175.	4.5	29
98	What constitutes a good literature review and why does its quality matter?. Environmental Modelling and Software, 2013, 43, 3-4.	4.5	29
99	A multiobjective ant colony optimization approach for scheduling environmental flow management alternatives with application to the River Murray, Australia. Water Resources Research, 2013, 49, 6393-6411.	4.2	36
100	A benchmarking approach for comparing data splitting methods for modeling water resources parameters using artificial neural networks. Water Resources Research, 2013, 49, 7598-7614.	4.2	76
101	Relative magnitudes of sources of uncertainty in assessing climate change impacts on water supply security for the southern Adelaide water supply system. Water Resources Research, 2013, 49, 1643-1667.	4.2	61
102	Impact of Drought on Adelaide's Water Supply System: Past, Present, and Future. , 2013, , 41-62.		3
103	Evaluation of outputs from automated baseflow separation methods against simulated baseflow from a physically based, surface water-groundwater flow model. Journal of Hydrology, 2012, 458-459, 28-39.	5.4	111
104	A framework for using ant colony optimization to schedule environmental flow management alternatives for rivers, wetlands, and floodplains. Water Resources Research, 2012, 48, .	4.2	37
105	Improved understanding of the searching behavior of ant colony optimization algorithms applied to the water distribution design problem. Water Resources Research, 2012, 48, .	4.2	34
106	Realâ€ŧime deployment of artificial neural network forecasting models: Understanding the range of applicability. Water Resources Research, 2012, 48, .	4.2	52
107	Sensitivity of Optimal Tradeoffs between Cost and Greenhouse Gas Emissions for Water Distribution Systems to Electricity Tariff and Generation. Journal of Water Resources Planning and Management - ASCE, 2012, 138, 182-186.	2.6	34
108	Incorporation of Variable-Speed Pumping in Multiobjective Genetic Algorithm Optimization of the Design of Water Transmission Systems. Journal of Water Resources Planning and Management - ASCE, 2012, 138, 543-552.	2.6	54

Holger Maier

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109	A generic framework for regression regionalization in ungauged catchments. Environmental Modelling and Software, 2012, 27-28, 1-14.	4.5	35
110	An integrated dynamic modeling framework for investigating the impact of climate change and variability on irrigated agriculture. Water Resources Research, 2011, 47, .	4.2	7
111	The effect of inundation and salinity on the germination of seed banks from wetlands in South Australia. Aquatic Botany, 2011, 94, 102-106.	1.6	14
112	Multi-Objective Optimization of Integrated Water Reuse Systems at a Cluster Scale. , 2011, , .		0
113	A hydraulic mixing-cell method to quantify the groundwater component of streamflow within spatially distributed fully integrated surface water–groundwater flow models. Environmental Modelling and Software, 2011, 26, 886-898.	4.5	53
114	Relationship between problem characteristics and the optimal number of genetic algorithm generations. Engineering Optimization, 2011, 43, 349-376.	2.6	26
115	Surplus Power Factor as a Resilience Measure for Assessing Hydraulic Reliability in Water Transmission System Optimization. Journal of Water Resources Planning and Management - ASCE, 2011, 137, 542-546.	2.6	15
116	Evaluation of parameter setting for two GIS based unit hydrograph models. Journal of Hydrology, 2010, 393, 197-205.	5.4	9
117	Data splitting for artificial neural networks using SOM-based stratified sampling. Neural Networks, 2010, 23, 283-294.	5.9	188
118	Management Option Rank Equivalence (MORE) – A new method of sensitivity analysis for decision-making. Environmental Modelling and Software, 2010, 25, 171-181.	4.5	33
119	Methods used for the development of neural networks for the prediction of water resource variables in river systems: Current status and future directions. Environmental Modelling and Software, 2010, 25, 891-909.	4.5	690
120	Comparison of Genetic Algorithm Parameter Setting Methods for Chlorine Injection Optimization. Journal of Water Resources Planning and Management - ASCE, 2010, 136, 288-291.	2.6	28
121	Calibration and Optimization of the Pumping and Disinfection of a Real Water Supply System. Journal of Water Resources Planning and Management - ASCE, 2010, 136, 493-501.	2.6	20
122	Optimal Operation of Complex Water Distribution Systems Using Metamodels. Journal of Water Resources Planning and Management - ASCE, 2010, 136, 433-443.	2.6	79
123	Accounting for Greenhouse Gas Emissions in Multiobjective Genetic Algorithm Optimization of Water Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 2010, 136, 146-155.	2.6	105
124	The response of freshwater plants to salinity pulses. Aquatic Botany, 2010, 93, 59-67.	1.6	27
125	Single-Objective versus Multiobjective Optimization of Water Distribution Systems Accounting for Greenhouse Gas Emissions by Carbon Pricing. Journal of Water Resources Planning and Management - ASCE, 2010, 136, 555-565.	2.6	64
126	Water Distribution System Optimisation Accounting for a Range of Future Possible Carbon Prices. , 2009, , .		7

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127	RAINFALL RUNOFF MODELLING USING NEURAL NETWORKS: STATE-OF-THE-ART AND FUTURE RESEARCH NEEDS. ISH Journal of Hydraulic Engineering, 2009, 15, 52-74.	2.1	7
128	Selection of input variables for data driven models: An average shifted histogram partial mutual information estimator approach. Journal of Hydrology, 2009, 367, 165-176.	5.4	143
129	Sensitivity analysis for decision-making using the MORE method—A Pareto approach. Reliability Engineering and System Safety, 2009, 94, 1229-1237.	8.9	20
130	Recent Advances and Future Challenges for Artificial Neural Systems in Geotechnical Engineering Applications. Advances in Artificial Neural Systems, 2009, 2009, 1-9.	1.0	84
131	Hybrid discrete dynamically dimensioned search (HDâ€DDS) algorithm for water distribution system design optimization. Water Resources Research, 2009, 45, .	4.2	96
132	Ant colony optimization for power plant maintenance scheduling optimization—a five-station hydropower system. Annals of Operations Research, 2008, 159, 433-450.	4.1	41
133	A genetic algorithm calibration method based on convergence due to genetic drift. Information Sciences, 2008, 178, 2857-2869.	6.9	44
134	Non-linear variable selection for artificial neural networks using partial mutual information. Environmental Modelling and Software, 2008, 23, 1312-1326.	4.5	241
135	Application of partial mutual information variable selection to ANN forecasting of water quality in water distribution systems. Environmental Modelling and Software, 2008, 23, 1289-1299.	4.5	147
136	Future research challenges for incorporation of uncertainty in environmental and ecological decision-making. Ecological Modelling, 2008, 219, 383-399.	2.5	369
137	Bayesian model selection applied to artificial neural networks used for water resources modeling. Water Resources Research, 2008, 44, .	4.2	32
138	A New Algorithm for Water Distribution System Optimization: Discrete Dynamically Dimensioned Search. , 2008, , .		2
139	Optimal Design of Water Distribution Systems including Water Quality and System Uncertainty. , 2008, , \cdot		3
140	Chapter Five Uncertainty in Environmental Decision Making: Issues, Challenges and Future Directions. Developments in Integrated Environmental Assessment, 2008, , 69-85.	0.0	20
141	Power plant maintenance scheduling using ant colony optimization: an improved formulation. Engineering Optimization, 2008, 40, 309-329.	2.6	32
142	Calibration of Rainfall Runoff Models in Ungauged Catchments: Regionalization Relationships for a Rainfall Runoff Model. , 2008, , .		1
143	Ant Colony Optimization Applied to Water Distribution System Design: Comparative Study of Five Algorithms. Journal of Water Resources Planning and Management - ASCE, 2007, 133, 87-92.	2.6	96
144	Increasing student engagement with graduate attributes. Australasian Journal of Engineering Education, 2007, 13, 21-29.	1.4	6

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145	Meeting the challenges of engineering education via online roleplay simulations. Australasian Journal of Engineering Education, 2007, 13, 31-39.	1.4	19
146	Alternative modelling approaches for the estimation of irreducible water saturation: Australian hydrocarbon basins. Journal of Petroleum Science and Engineering, 2007, 57, 60-69.	4.2	14
147	Distance-based and stochastic uncertainty analysis for multi-criteria decision analysis in Excel using Visual Basic for Applications. Environmental Modelling and Software, 2006, 21, 1695-1710.	4.5	79
148	Optimising the mutual information of ecological data clusters using evolutionary algorithms. Mathematical and Computer Modelling, 2006, 44, 439-450.	2.0	11
149	Application of two ant colony optimisation algorithms to water distribution system optimisation. Mathematical and Computer Modelling, 2006, 44, 451-468.	2.0	137
150	Forecasting chlorine residuals in a water distribution system using a general regression neural network. Mathematical and Computer Modelling, 2006, 44, 469-484.	2.0	78
151	Investigation into the relationship between chlorine decay and water distribution parameters using data driven methods. Mathematical and Computer Modelling, 2006, 44, 485-498.	2.0	70
152	A probabilistic method for assisting knowledge extraction from artificial neural networks used for hydrological prediction. Mathematical and Computer Modelling, 2006, 44, 499-512.	2.0	26
153	Forecasting Cyanobacteria with Bayesian and Deterministic Artificial Neural Networks. , 2006, , .		2
154	Critical Values of a Kernel Density-based Mutual Information Estimator. , 2006, , .		7
155	An Evaluation of Methods for the Selection of Inputs for an Artificial Neural Network Based River Model. , 2006, , 275-292.		3
156	Sustainability Assessment of Housing Developments: A New Methodology. , 2006, , .		5
157	Integrated Modelling: Construction, Selection, Uncertainty. , 2006, , .		1
158	A distance-based uncertainty analysis approach to multi-criteria decision analysis for water resource decision making. Journal of Environmental Management, 2005, 77, 278-290.	7.8	90
159	Ant colony optimization for power plant maintenance scheduling optimization. , 2005, , .		2
160	Ant colony optimization for power plant maintenance scheduling optimization. , 2005, , .		10
161	Neural network based stochastic design charts for settlement prediction. Canadian Geotechnical Journal, 2005, 42, 110-120.	2.8	22
162	Estimating Risk Measures for Water Distribution Systems Using Metamodels. , 2005, , 1.		4

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163	Parametric Study for an Ant Algorithm Applied to Water Distribution System Optimization. IEEE Transactions on Evolutionary Computation, 2005, 9, 175-191.	10.0	138
164	Selection of Genetic Algorithm Parameters for Water Distribution System Optimization. , 2005, , 1.		1
165	Input determination for neural network models in water resources applications. Part 2. Case study: forecasting salinity in a river. Journal of Hydrology, 2005, 301, 93-107.	5.4	181
166	Input determination for neural network models in water resources applications. Part 1—background and methodology. Journal of Hydrology, 2005, 301, 75-92.	5.4	446
167	Calibration and validation of neural networks to ensure physically plausible hydrological modeling. Journal of Hydrology, 2005, 314, 158-176.	5.4	65
168	Bayesian training of artificial neural networks used for water resources modeling. Water Resources Research, 2005, 41, .	4.2	89
169	Water Distribution System Optimization Using Metamodels. Journal of Water Resources Planning and Management - ASCE, 2005, 131, 172-180.	2.6	127
170	Data Division for Developing Neural Networks Applied to Geotechnical Engineering. Journal of Computing in Civil Engineering, 2004, 18, 105-114.	4.7	262
171	Reliability-Based Approach to Multicriteria Decision Analysis for Water Resources. Journal of Water Resources Planning and Management - ASCE, 2004, 130, 429-438.	2.6	82
172	A Metamodeling Approach to Water Distribution System Optimization. , 2004, , 1.		7
173	Use of artificial neural networks for predicting optimal alum doses and treated water quality parameters. Environmental Modelling and Software, 2004, 19, 485-494.	4.5	163
174	Risk-based approach for assessing the effectiveness of flow management in controlling cyanobacterial blooms in rivers. River Research and Applications, 2004, 20, 459-471.	1.7	25
175	Genetic Algorithms for Reliability-Based Optimization of Water Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 2004, 130, 63-72.	2.6	177
176	General Regression Neural Networks for Modeling Disinfection Residual in Water Distribution Systems. , 2004, , 1.		2
177	Settlement prediction of shallow foundations on granular soils using B-spline neurofuzzy models. Computers and Geotechnics, 2003, 30, 637-647.	4.7	42
178	Incorporating uncertainty in the PROMETHEE MCDA method. Journal of Multi-Criteria Decision Analysis, 2003, 12, 245-259.	1.9	100
179	Ant Colony Optimization for Design of Water Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 2003, 129, 200-209.	2.6	387
180	Closure to "Predicting Settlement of Shallow Foundations Using Neural Networks―by Mohamed A. Shahin, Holger R. Maier, and Mark B. Jaksa. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2003, 129, 1175-1177.	3.0	4

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181	Data transformation for neural network models in water resources applications. Journal of Hydroinformatics, 2003, 5, 245-258.	2.4	29
182	An Evaluation of Methods for the Selection of Inputs for an Artificial Neural Network Based River Model. , 2003, , 215-232.		2
183	Optimal division of data for neural network models in water resources applications. Water Resources Research, 2002, 38, 2-1-2-11.	4.2	257
184	Predicting Settlement of Shallow Foundations using Neural Networks. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2002, 128, 785-793.	3.0	244
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