

Filippo Pecci

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Quadratic head loss approximations for optimisation problems in water supply networks. Journal of Hydroinformatics, 2017, 19, 493-506.	1.1	23
2	Scalable Pareto set generation for multiobjective co-design problems in water distribution networks: a continuous relaxation approach. Structural and Multidisciplinary Optimization, 2017, 55, 857-869.	1.7	19
3	Model Reduction and Outer Approximation for Optimizing the Placement of Control Valves in Complex Water Networks. Journal of Water Resources Planning and Management - ASCE, 2019, 145, .	1.3	19
4	Optimal control of water distribution networks without storage. European Journal of Operational Research, 2020, 284, 345-354.	3.5	18
5	Global optimality bounds for the placement of control valves in water supply networks. Optimization and Engineering, 2019, 20, 457-495.	1.3	16
6	An MINLP-Based Approach for the Design-for-Control of Resilient Water Supply Systems. IEEE Systems Journal, 2020, 14, 4579-4590.	2.9	14
7	Localizing Leakage Hotspots in Water Distribution Networks via the Regularization of an Inverse Problem. Journal of Hydraulic Engineering, 2020, 146, 04020025.	0.7	13
8	Mathematical Programming Methods for Pressure Management in Water Distribution Systems. Procedia Engineering, 2015, 119, 937-946.	1.2	12
9	Penalty and relaxation methods for the optimal placement and operation of control valves in water supply networks. Computational Optimization and Applications, 2017, 67, 201-223.	0.9	11
10	Regularization of an Inverse Problem for Parameter Estimation in Water Distribution Networks. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	1.3	10
11	Relax-tighten-round algorithm for optimal placement and control of valves and chlorine boosters in water networks. European Journal of Operational Research, 2021, 295, 690-698.	3.5	9
12	Outer approximation methods for the solution of co-design optimisation problems in water distribution networks * *This work was supported by the NEC-Imperial SmartWater Systems project. The authors acknowledge the EPSRC Industrial CASE Studentship project EP/I501444/1, from which the case study model BWFLnet was derived.. IFAC-PapersOnLine, 2017, 50, 5373-5379.	0.5	6
13	Convex Heuristics for Optimal Placement and Operation of Valves and Chlorine Boosters in Water Networks. Journal of Water Resources Planning and Management - ASCE, 2022, 148, .	1.3	6
14	Sequential Convex Optimization for Detecting and Locating Blockages in Water Distribution Networks. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	1.3	5
15	Bi-objective design-for-control of water distribution networks with global bounds. Optimization and Engineering, 2022, 23, 527-577.	1.3	5
16	Prior Assumptions for Leak Localisation in Water Distribution Networks with Uncertainties. Water Resources Management, 2021, 35, 5105-5118.	1.9	3
17	Closure to "Regularization of an Inverse Problem for Parameter Estimation in Water Distribution Systems" by Alexander Waldron, Filippo Pecci, and Ivan Stoianov. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	1.3	1