

Giovanni M Sechi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25 papers	459 citations	12 h-index	21 g-index
26 ext. papers	511 ext. citations	3.8 avg, IF	3.83 L-index

#	Paper	IF	Citations
25	A Decision Tree for a Cost-Benefit Analysis on Flood Risk Management with Uncertain Funding. <i>Lecture Notes in Computer Science</i> , 2021 , 513-525	0.9	
24	Calibration Procedure of Regional Flow Duration Curves Evaluating Water Resource Withdrawal from Diversion Dams. <i>Water Resources Management</i> , 2021 , 35, 1135-1148	3.7	1
23	Scenario Optimization of Complex Water Supply Systems for Energy Saving and Drought-Risk Management. <i>Lecture Notes in Computer Science</i> , 2020 , 557-569	0.9	
22	Optimising Pumping Activation in Multi-Reservoir Water Supply Systems under Uncertainty with Stochastic Quasi-Gradient Methods. <i>Water Resources Management</i> , 2019 , 33, 1881-1895	3.7	2
21	A Cost-Simulation Approach to Finding Economic Optimality in Leakage Reduction for Complex Supply Systems. <i>Water Resources Management</i> , 2017 , 31, 4601-4615	3.7	5
20	Scenario Optimisation of Pumping Schedules in a Complex Water Supply System Considering a CostRisk Balancing Approach. <i>Water Resources Management</i> , 2016 , 30, 5231-5246	3.7	7
19	Tangible and Intangible Flood damage evaluation. <i>E3S Web of Conferences</i> , 2016 , 7, 05007	0.5	0
18	Assessment of evolutionary algorithms for optimal operating rules design in real Water Resource Systems. <i>Environmental Modelling and Software</i> , 2015 , 69, 425-436	5.2	21
17	Water Resource Allocation in Critical Scarcity Conditions: A Bankruptcy Game Approach. <i>Water Resources Management</i> , 2015 , 29, 541-555	3.7	28
16	Finding Economic Optimality in Leakage Reduction: A Cost-simulation Approach for Complex Urban Supply Systems. <i>Procedia Engineering</i> , 2014 , 70, 477-486		2
15	Trophic state and toxic cyanobacteria density in optimization modeling of multi-reservoir water resource systems. <i>Toxins</i> , 2014 , 6, 1366-84	4.9	13
14	Water Costs Allocation in Complex Systems Using a Cooperative Game Theory Approach. <i>Water Resources Management</i> , 2013 , 27, 1781-1796	3.7	28
13	Comparison of generic simulation models for water resource systems. <i>Environmental Modelling and Software</i> , 2013 , 40, 214-225	5.2	50
12	Cost/risk balanced management of scarce resources using stochastic programming. <i>European Journal of Operational Research</i> , 2012 , 216, 214-224	5.6	21
11	Balancing cost-risk in management optimization of water resource systems under uncertainty. <i>Physics and Chemistry of the Earth</i> , 2012 , 42-44, 98-107	3	18
10	Using reservoir trophic-state indexes in optimisation modelling of water-resource systems. <i>Environmental Modelling and Software</i> , 2011 , 26, 731-738	5.2	7
9	Water Supply Network Optimisation Using Equal Flow Algorithms. <i>Water Resources Management</i> , 2010 , 24, 3665-3678	3.7	7

8	Location and Calibration of Valves in Water Distribution Networks Using a Scatter-Search Meta-heuristic Approach. <i>Water Resources Management</i> , 2009 , 23, 1479-1495	3.7	70
7	Dynamic attribution of water quality indexes in a multi-reservoir optimization model. <i>Desalination</i> , 2009 , 237, 99-107	10.3	2
6	Water System Management through a Mixed Optimization-Simulation Approach. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2009 , 135, 160-170	2.8	34
5	Multiperiod Hypergraph Models for Water Systems Optimization. <i>Water Resources Management</i> , 2008 , 22, 307-320	3.7	9
4	Multi-Reservoir System Optimization using Chlorophyll-a Trophic Indexes. <i>Water Resources Management</i> , 2007 , 21, 849-860	3.7	14
3	A DSS for water resources management under uncertainty by scenario analysis. <i>Environmental Modelling and Software</i> , 2005 , 20, 1031-1042	5.2	89
2	Algorithms for the Simple Equal Flow Problem. <i>Management Science</i> , 1999 , 45, 1440-1455	3.9	25
1	Mixed Optimization Technique for Large-Scale Water-Resource Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 1996 , 122, 387-393	2.8	6