Andrea-Emilio Rizzoli

List of Publications by Year
in descending order

55 papers	3,819 citations	218381 26 h-index	189595 50 g-index
67 all docs	67 docs citations	67 times ranked	4461 citing authors

#	Article	IF	Citations
1	Selecting among five common modelling approaches for integrated environmental assessment and management. Environmental Modelling and Software, 2013, 47, 159-181.	1.9	578
2	Integrated assessment of agricultural systems â€“ A component-based framework for the European Union (SEAMLESS). Agricultural Systems, 2008, 96, 150-165.	3.2	401
3	Ant Colony System for a Dynamic Vehicle Routing Problem. Journal of Combinatorial Optimization, 2005, 10, 327-343.	0.8	333
4	Time dependent vehicle routing problem with a multi ant colony system. European Journal of Operational Research, 2008, 185, 1174-1191.	3.5	297
5	Environmental decision support systems (EDSS) development â€“ Challenges and best practices. Environmental Modelling and Software, 2011, 26, 1389-1402.	1.9	251
6	Benefits and challenges of using smart meters for advancing residential water demand modeling and management: A review. Environmental Modelling and Software, 2015, 72, 198-214.	1.9	194
7	Progress in integrated assessment and modelling1A Summary of a workshop on Integrated Assessment and Modelling, held at EcoSummit 2000: Integrating the Sciences, Halifax, June 18â€“22, 2000. See Costanza and Jorgensen (2001) for a further report on Ecosummit.1. Environmental Modelling and Software, 2002, 17, 209-217.	1.9	191
8	Ant colony optimization for real-world vehicle routing problems. Swarm Intelligence, 2007, 1, 135-151.	1.3	161
9	Delivering environmental decision support systems: software tools and techniques. Environmental Modelling and Software, 1997, 12, 237-249.	1.9	125
10	Modelling with knowledge: A review of emerging semantic approaches to environmental modelling. Environmental Modelling and Software, 2009, 24, 577-587.	1.9	109
11	A simulation tool for combined rail/road transport in intermodal terminals. Mathematics and Computers in Simulation, 2002, 59, 57-71.	2.4	86
12	An optimization methodology for intermodal terminal management. Journal of Intelligent Manufacturing, 2001, 12, 521-534.	4.4	82
13	Sparse Optimization for Automated Energy End Use Disaggregation. IEEE Transactions on Control Systems Technology, 2016, 24, 1044-1051.	3.2	75
14	Putting humans in the loop: Social computing for Water Resources Management. Environmental Modelling and Software, 2012, 37, 68-77.	1.9	70
15	Neuro-dynamic programming for designing water reservoir network management policies. Control Engineering Practice, 2007, 15, 1031-1038.	3.2	50
16	Semantic links in integrated modelling frameworks. Mathematics and Computers in Simulation, 2008, 78, 412-423.	2.4	46
17	Model and data integration and re-use in environmental decision support systems. Decision Support Systems, 1998, 24, 127-144.	3.5	43
18	A framework for modelling multiple resource management issuesâ€”an open modelling approach. Environmental Modelling and Software, 1999, 14, 503-509.	1.9	42

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19	Defining assessment projects and scenarios for policy support: Use of ontology in Integrated Assessment and Modelling. Environmental Modelling and Software, 2009, 24, 1491-1500.	1.9	40
20	Linking models for assessing agricultural land use change. Computers and Electronics in Agriculture, 2011, 76, 148-160.	3.7	40
21	Agent-based Planning and Simulation of Combined Rail/Road Transport. Simulation, 2002, 78, 293-303.	1.1	37
22	Sequential ordering problems for crane scheduling in port terminals. International Journal of Simulation and Process Modelling, 2009, 5, 348.	0.1	28
23	A Survey on the Design of Gamified Systems for Energy and Water Sustainability. Games, 2018, 9, 38.	0.4	28
24	Long-term water conservation is fostered by smart meter-based feedback and digital user engagement. Npj Clean Water, 2021, 4, .	3.1	27
25	TwoLe: a software tool for planning and management of water reservoir networks. Hydrological Sciences Journal, 1999, 44, 619-631.	1.2	24
26	A Component-Based Framework for Simulating Agricultural Production and Externalities. , 2010, , 63-108.		23
27	Ontology for Seamless Integration of Agricultural Data and Models. Communications in Computer and Information Science, 2009, , 282-293.	0.4	22
28	Economic modelling as a tool to support macroalgal bloom management: a case study (Sacca di Goro,) Tj ETQq0 0 0 rgBT /Overlock 10 T Oceanologie, 2003, 26, 139-147.	0.7	18
29	Smart Metering, Water Pricing and Social Media to Stimulate Residential Water Efficiency: Opportunities for the SmartH2O Project. Procedia Engineering, 2014, 89, 1037-1043.	1.2	18
30	Assessment of Smart-Meter-Enabled Dynamic Pricing at Utility and River Basin Scale. Journal of Water Resources Planning and Management - ASCE, 2018, 144, .	1.3	18
31	Exploiting Fitness Apps for Sustainable Mobility - Challenges Deploying the GoEco! App. , 2016, , .		18
32	Statistical modelling of delays in a rail freight transportation network. , 2012, , .		16
33	Lexicographic multi-objective optimization for the unit commitment problem and economic dispatch in a microgrid. , 2011, , .		15
34	Lakemaker: A general object-oriented software tool for modelling the eutrophication process in lakes. Environmental Software, 1995, 10, 43-64.	0.3	12
35	Demo Abstract: SmartH2O, demonstrating the impact of gamification technologies for saving water. Computer Science - Research and Development, 2018, 33, 275-276.	2.7	11
36	Enriching environmental software model interfaces through ontology-based tools. International Journal of Applied Systemic Studies, 2011, 4, 94.	0.0	10

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37	Identification of model structure via qualitative simulation. IEEE Transactions on Systems, Man, and Cybernetics, 1992, 22, 1075-1086.	0.9	9
38	The Case of Lake Verbano (Italy-Switzerland). Water International, 2000, 25, 334-346.	0.4	9
39	Ontologies, JavaBeans and Relational Databases for enabling semantic programming. Proceedings - IEEE Computer Society's International Computer Software and Applications Conference, 2007, , .	0.0	9
40	A Generic Farming System Simulator. , 2010, , 109-132.		9
41	Sensors and the environment â€“ Modelling & ICT challenges. Environmental Modelling and Software, 2010, 25, 975-976.	1.9	8
42	A decentralized approach to demand side load management: The Swiss2Grid project. , 2013, , .		7
43	Reproducing human decisions in reservoir management: the case of lake Lugano. Environmental Science and Engineering, 2009, , 252-263.	0.1	6
44	An optimisation-based energy disaggregation algorithm for low frequency smart meter data. Energy Informatics, 2019, 2, .	1.4	5
45	Towards a Semantically Unified Environmental Information Space. IFIP Advances in Information and Communication Technology, 2011, , 407-418.	0.5	5
46	Using Smartphones to Profile Mobility Patterns in a Living Lab for the Transition to E-mobility. IFIP Advances in Information and Communication Technology, 2013, , 154-163.	0.5	5
47	Evaluation Of The Potential Of Electric Storage Using Decentralized Demand Side Management Algorithms. Energy Procedia, 2017, 135, 203-209.	1.8	4
48	A Web-Based Software System for Model Integration in Impact Assessments of Agricultural and Environmental Policies. , 2010, , 207-234.		4
49	Publishing and Linking Semantically Annotated Agro-environmental Resources to LOD with AGROPub. Communications in Computer and Information Science, 2011, , 478-488.	0.4	4
50	Software Support for Sustainable Supply Chain Configuration and Management. Advances in Intelligent Systems and Computing, 2015, , 271-283.	0.5	3
51	The Potential for Integrated Assessment and Modeling to Solve Environmental Problems. , 2002, , 19-39.		2
52	6th International Congress on Environmental Modelling and Software (iEMSs): â€œManaging Resources of a Limited Planet: Pathways and Visions under Uncertaintyâ€• A congress report. Environmental Modelling and Software, 2013, 43, 160-162.	1.9	1
53	Semantic Modeling in Farming Systems Research - The Case of the Agricultural Management Definition Module. Environmental Science and Engineering, 2007, , 417-432.	0.1	1
54	Data Mining Methods for Quality Assurance in an Environmental Monitoring Network. Lecture Notes in Computer Science, 2010, , 451-456.	1.0	0

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55	A simulation modellerâ€™s legacy: â€œModelling and Simulation of System Dynamicsâ€•by Peter Benyon. Environmental Modelling and Software, 2011, 26, 1770-1771.	1.9	0