

Andrew Higgins

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,145
citations

471061

17
h-index

454577

30
g-index

34
all docs

34
docs citations

34
times ranked

1308
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison of multiple criteria analysis techniques for water resource management. <i>European Journal of Operational Research</i> , 2008, 184, 255-265.	3.5	320
2	Combining choice modelling and multi-criteria analysis for technology diffusion: An application to the uptake of electric vehicles. <i>Technological Forecasting and Social Change</i> , 2012, 79, 1399-1412.	6.2	80
3	Opportunities for value chain research in sugar industries. <i>Agricultural Systems</i> , 2007, 94, 611-621.	3.2	73
4	A framework for integrating a complex harvesting and transport system for sugar production. <i>Agricultural Systems</i> , 2004, 82, 99-115.	3.2	65
5	Modelling impact of PV battery systems on energy consumption and bill savings of Australian houses under alternative tariff structures. <i>Renewable Energy</i> , 2016, 89, 317-330.	4.3	60
6	Statistical modeling of Electric Vehicle electricity consumption in the Victorian EV Trial, Australia. <i>Transportation Research, Part D: Transport and Environment</i> , 2014, 32, 263-277.	3.2	56
7	Scheduling of road vehicles in sugarcane transport: A case study at an Australian sugar mill. <i>European Journal of Operational Research</i> , 2006, 170, 987-1000.	3.5	51
8	Optimisation and the selection of conservation contracts. <i>Australian Journal of Agricultural and Resource Economics</i> , 2007, 51, 39-56.	1.3	47
9	A simulation model for capacity planning in sugarcane transport. <i>Computers and Electronics in Agriculture</i> , 2005, 47, 85-102.	3.7	45
10	Spatio-temporal modelling of electric vehicle charging demand and impacts on peak household electrical load. <i>Sustainability Science</i> , 2014, 9, 61-76.	2.5	44
11	A Stochastic Non-linear Programming Model for a Multi-period Water Resource Allocation with Multiple Objectives. <i>Water Resources Management</i> , 2008, 22, 1445-1460.	1.9	38
12	Modelling intervention options to reduce GHG emissions in housing stock – A diffusion approach. <i>Technological Forecasting and Social Change</i> , 2011, 78, 621-634.	6.2	31
13	Evaluating water quality investments using cost utility analysis. <i>Journal of Environmental Management</i> , 2008, 88, 1601-1610.	3.8	27
14	Irrigated agricultural development in northern Australia: Value-chain challenges and opportunities. <i>Agricultural Systems</i> , 2017, 155, 116-125.	3.2	26
15	Modelling future uptake of solar photo-voltaics and water heaters under different government incentives. <i>Technological Forecasting and Social Change</i> , 2014, 83, 142-155.	6.2	25
16	Targeting conservation payments to achieve multiple outcomes. <i>Biological Conservation</i> , 2008, 141, 2368-2375.	1.9	24
17	Forecasting uptake of retrofit packages in office building stock under government incentives. <i>Energy Policy</i> , 2014, 65, 501-511.	4.2	23
18	A method for comprehending and adapting complex supply chains in agriculture. <i>Journal on Chain and Network Science</i> , 2009, 9, 9-15.	1.6	14

#	ARTICLE	IF	CITATIONS
19	TRANSIT – A model for simulating infrastructure and policy interventions in agriculture logistics: Application to the northern Australia beef industry. Computers and Electronics in Agriculture, 2015, 114, 32-42.	3.7	12
20	Directing urban development to the right places: Assessing the impact of urban development on water quality in an estuarine environment. Landscape and Urban Planning, 2013, 113, 62-77.	3.4	11
21	Optimal location of spelling yards for the northern Australian beef supply chain. Computers and Electronics in Agriculture, 2014, 102, 134-145.	3.7	11
22	Modelling future uptake of distributed energy resources under alternative tariff structures. Energy, 2014, 74, 455-463.	4.5	11
23	A framework for optimising capital investment and operations in livestock logistics. Rangeland Journal, 2013, 35, 181.	0.4	10
24	Evaluating alternate strategic options for agricultural value chains. Journal on Chain and Network Science, 2008, 8, 131-141.	1.6	9
25	Is getting a conservation model used more important than getting it accurate?. Biological Conservation, 2009, 142, 699-700.	1.9	8
26	Evaluating intervention options to achieve environmental benefits in the residential sector. Sustainability Science, 2013, 8, 25-36.	2.5	8
27	Informing transport infrastructure investments using TRANSIT: A case study for Australian agriculture and forestry. Computers and Electronics in Agriculture, 2018, 154, 187-203.	3.7	5
28	Spending Environmental Expenditure More Effectively: A Case Study from Brisbane, Australia. Environmental Modeling and Assessment, 2012, 17, 315-324.	1.2	3
29	Informing major government programs for rural transport infrastructure in northern Australia. Rangeland Journal, 2018, 40, 341.	0.4	3
30	Electric Vehicles. , 2014, , 335-355.		2
31	A Multi Criteria Knapsack Solution to Optimise Natural Resource Management Project Selection. Lecture Notes in Economics and Mathematical Systems, 2010, , 47-55.	0.3	2
32	Modeling the Impacts of Disruptive Technologies and Pricing on Electricity Consumption. , 2016, , 211-230.		1
33	Simulating Vulnerability in Victoria’s Fruit and Vegetable Supply Chain. Profiles in Operations Research, 2015, , 179-200.	0.3	0
34	Portfolio optimisation of water management investments. , 2008, , 423-437.		0