

Oz Sahin

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

2,504
citations

230014

27
h-index

263392

45
g-index

102
all docs

102
docs citations

102
times ranked

2782
citing authors

#	ARTICLE	IF	CITATIONS
1	Examining transition pathways to construction innovation in Russia: a system dynamics approach. <i>International Journal of Construction Management</i> , 2022, 22, 556-578.	2.2	6
2	Visioning a framework for effective environmental management of deep-sea polymetallic nodule mining: Drivers, barriers, and enablers. <i>Journal of Cleaner Production</i> , 2022, 337, 130487.	4.6	4
3	Underground LoRa Sensor Node for Bushfire Monitoring. <i>Fire Technology</i> , 2022, 58, 1087-1095.	1.5	1
4	Introduction to the Special Issue "Life in the Time of a Pandemic: Social, Economic, Health and Environmental Impacts of COVID-19" Systems Approach Study. <i>Systems</i> , 2022, 10, 36.	1.2	0
5	Exploring residential solar PV and battery energy storage adoption motivations and barriers in a mature PV market. <i>Renewable Energy</i> , 2022, 190, 684-698.	4.3	23
6	A critical review on tackling complex rare earth supply security problem. <i>Resources Policy</i> , 2022, 77, 102697.	4.2	8
7	How the decision to accept or reject PV affects the behaviour of residential battery system adopters. <i>Applied Energy</i> , 2022, 318, 119194.	5.1	9
8	An Integrated DPSIR-SD Framework for Sustainability Assessment of Roads in Australia. <i>Sustainability</i> , 2022, 14, 7142.	1.6	0
9	Mapping the Complex Journey of Swimming Pool Contaminants: A Multi-Method Systems Approach. <i>Water (Switzerland)</i> , 2022, 14, 2062.	1.2	4
10	Bayesian Network revealing evidence-based strategies to enhance the performance of building envelope openings subject to wind-driven rain. <i>Journal of Building Engineering</i> , 2021, 33, 101565.	1.6	2
11	Is there a green premium in the green bond market? Systematic literature review revealing premium determinants. <i>Journal of Cleaner Production</i> , 2021, 280, 124491.	4.6	136
12	A system dynamics model for renewable energy technology adoption of the hotel sector. <i>Renewable Energy</i> , 2021, 163, 1994-2007.	4.3	22
13	Addressing dynamic uncertainty in the whale-watching industry under climate change and system shocks. <i>Science of the Total Environment</i> , 2021, 756, 143889.	3.9	8
14	Green building, split-incentives and affordable rental housing policy. <i>Housing Studies</i> , 2021, 36, 23-45.	1.6	11
15	A Systems Approach to Examining PhD Students' Well-Being: An Australian Case. <i>Systems</i> , 2021, 9, 17.	1.2	9
16	Adaptive Management of Deep-Seabed Mining Projects: A Systems Approach. <i>Integrated Environmental Assessment and Management</i> , 2021, , .	1.6	4
17	Scarcity Pricing for Water Demand Management: A Case Study in Campina Grande – Brazil. <i>Journal of Environmental Accounting and Management</i> , 2021, 9, 75-91.	0.3	1
18	Finding Nano: Challenges Involved in Monitoring the Presence and Fate of Engineered Titanium Dioxide Nanoparticles in Aquatic Environments. <i>Water (Switzerland)</i> , 2021, 13, 734.	1.2	19

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19	Examining green affordable housing policy outcomes in Australia: A systems approach. <i>Journal of Cleaner Production</i> , 2021, 293, 126212.	4.6	9
20	Dynamic modelling of Australian rooftop solar photovoltaic product stewardship transition. <i>Waste Management</i> , 2021, 127, 18-29.	3.7	9
21	Evaluating coral reef ecosystem services outcomes from climate change adaptation strategies using integrative system dynamics. <i>Journal of Environmental Management</i> , 2021, 285, 112082.	3.8	9
22	Building Compelling Business Cases for Digital Water Metering. <i>Journal - American Water Works Association</i> , 2021, 113, 64-75.	0.2	1
23	Residential solar photovoltaic adoption behaviour: End-to-end review of theories, methods and approaches. <i>Renewable Energy</i> , 2021, 170, 471-486.	4.3	42
24	Development of a Multi-Methodological Approach to Support the Management of Water Supply Systems. <i>Water (Switzerland)</i> , 2021, 13, 1655.	1.2	1
25	Climate Change Adaptation Influences and Barriers Impacting the Asian Agricultural Industry. <i>Sustainability</i> , 2021, 13, 7346.	1.6	11
26	Beyond the Diffusion of Residential Solar Photovoltaic Systems at Scale: Allegorising the Battery Energy Storage Adoption Behaviour. <i>Energies</i> , 2021, 14, 5015.	1.6	7
27	Taxonomy and model for valuing the contribution of digital water meters to sustainability objectives. <i>Journal of Environmental Management</i> , 2021, 293, 112846.	3.8	5
28	Assessing how ecosystem-based adaptations to climate change influence community wellbeing: a Vanuatu case study. <i>Regional Environmental Change</i> , 2021, 21, 1.	1.4	4
29	Offsite construction supply chain strategies for matching affordable rental housing demand: A system dynamics approach. <i>Sustainable Cities and Society</i> , 2021, 73, 103093.	5.1	21
30	Drivers and barriers to the deployment of pumped hydro energy storage applications: Systematic literature review. <i>Cleaner Engineering and Technology</i> , 2021, 5, 100281.	2.1	27
31	Towards understanding the anticipated customer benefits of digital water metering. <i>Urban Water Journal</i> , 2021, 18, 137-150.	1.0	7
32	Enhancing Innovativeness in the Construction Sector: A System Dynamics Analysis. <i>Advances in Science, Technology and Innovation</i> , 2021, , 41-46.	0.2	1
33	R3SOLVE: A Serious Game to Support End-of-Life Rooftop Solar Panel Waste Management. <i>Sustainability</i> , 2021, 13, 12418.	1.6	5
34	Use of a structure aware discretisation algorithm for Bayesian networks applied to water quality predictions. <i>Mathematics and Computers in Simulation</i> , 2020, 175, 192-201.	2.4	6
35	Adaptation strategies for coral reef ecosystems in Small Island Developing States: Integrated modelling of local pressures and long-term climate changes. <i>Journal of Cleaner Production</i> , 2020, 253, 119864.	4.6	11
36	Identifying and prioritising adaptation options for a coastal freshwater supply and demand system under climatic and non-climatic changes. <i>Regional Environmental Change</i> , 2020, 20, 1.	1.4	4

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37	Mapping long-term coral reef ecosystems regime shifts: A small island developing state case study. <i>Science of the Total Environment</i> , 2020, 716, 137024.	3.9	17
38	Systems approach to end-of-life management of residential photovoltaic panels and battery energy storage system in Australia. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 134, 110176.	8.2	14
39	Expert Opinion Valuation Method to Quantify Digital Water Metering Benefits. <i>Water (Switzerland)</i> , 2020, 12, 1436.	1.2	6
40	Developing a Preliminary Causal Loop Diagram for Understanding the Wicked Complexity of the COVID-19 Pandemic. <i>Systems</i> , 2020, 8, 20.	1.2	77
41	Effectiveness of the Early Response to COVID-19: Data Analysis and Modelling. <i>Systems</i> , 2020, 8, 21.	1.2	10
42	Predictors, taxonomy of predictors, and correlations of predictors with the decision behaviour of residential solar photovoltaics adoption: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 123, 109749.	8.2	105
43	A systems approach to examining the drivers and barriers of renewable energy technology adoption in the hotel sector in Queensland, Australia. <i>Journal of Hospitality and Tourism Management</i> , 2020, 42, 153-172.	3.5	31
44	Integrating Lifecycle Thinking in Asset Management Through BIM: Opportunities for the Water Sector. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 81-88.	0.3	1
45	End-of-life management of solar photovoltaic and battery energy storage systems: A stakeholder survey in Australia. <i>Resources, Conservation and Recycling</i> , 2019, 150, 104444.	5.3	34
46	A Multi-Methodology Approach to Creating a Causal Loop Diagram. <i>Systems</i> , 2019, 7, 42.	1.2	33
47	Assessing the impacts of extreme weather events on potable water quality: the value to managers of a highly participatory, integrated modelling approach. <i>H2Open Journal</i> , 2019, 2, 9-24.	0.8	4
48	Revealing Unreported Benefits of Digital Water Metering: Literature Review and Expert Opinions. <i>Water (Switzerland)</i> , 2019, 11, 838.	1.2	37
49	A soft traffic management approach for achieving environmentally sustainable and economically viable outcomes: An Australian case study. <i>Journal of Environmental Management</i> , 2019, 237, 379-386.	3.8	11
50	Spatial Bayesian Network for predicting sea level rise induced coastal erosion in a small Pacific Island. <i>Journal of Environmental Management</i> , 2019, 238, 341-351.	3.8	40
51	Applications of Bayesian Networks as Decision Support Tools for Water Resource Management under Climate Change and Socio-Economic Stressors: A Critical Appraisal. <i>Water (Switzerland)</i> , 2019, 11, 2642.	1.2	25
52	Building a System Dynamics Model to Support Water Management: A Case Study of the Semi-arid Region in the Brazilian Northeast. <i>Water (Switzerland)</i> , 2019, 11, 2513.	1.2	19
53	Digital Multi-Utility Data for Contemporaneous Water-Electricity-Gas End Use Categorization. , 2019, , .		1
54	Drivers, barriers and enablers to end-of-life management of solar photovoltaic and battery energy storage systems: A systematic literature review. <i>Journal of Cleaner Production</i> , 2019, 211, 537-554.	4.6	148

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55	Government championed strategies to overcome the barriers to public building energy efficiency retrofit projects. <i>Sustainable Cities and Society</i> , 2019, 44, 56-69.	5.1	87
56	Modeling Research Topics for Artificial Intelligence Applications in Medicine: Latent Dirichlet Allocation Application Study. <i>Journal of Medical Internet Research</i> , 2019, 21, e15511.	2.1	21
57	Assessment of the vulnerability of a coastal freshwater system to climatic and non-climatic changes: A system dynamics approach. <i>Journal of Cleaner Production</i> , 2018, 183, 940-955.	4.6	24
58	Integrated intelligent water-energy metering systems and informatics: Visioning a digital multi-utility service provider. <i>Environmental Modelling and Software</i> , 2018, 105, 94-117.	1.9	71
59	Re-engineering traditional urban water management practices with smart metering and informatics. <i>Environmental Modelling and Software</i> , 2018, 101, 256-267.	1.9	74
60	Evaluating a novel tiered scarcity adjusted water budget and pricing structure using a holistic systems modelling approach. <i>Journal of Environmental Management</i> , 2018, 215, 79-90.	3.8	22
61	Value-based modelling: an Australian case of off-site manufactured buildings. <i>International Journal of Construction Management</i> , 2018, 18, 34-52.	2.2	16
62	Role of financial mechanisms for accelerating the rate of water and energy efficiency retrofits in Australian public buildings: Hybrid Bayesian Network and System Dynamics modelling approach. <i>Applied Energy</i> , 2018, 210, 409-419.	5.1	58
63	Guidelines, barriers and strategies for energy and water retrofits of public buildings. <i>Journal of Cleaner Production</i> , 2018, 174, 1064-1078.	4.6	55
64	An adaptive model for the autonomous monitoring and management of water end use. <i>Smart Water</i> , 2018, 3, .	3.1	11
65	Creating a Novel Multi-Layered Integrative Climate Change Adaptation Planning Approach Using a Systematic Literature Review. <i>Sustainability</i> , 2018, 10, 4100.	1.6	19
66	An Integrated Participatory Systems Modelling Approach: Application to Construction Innovation. <i>Systems</i> , 2018, 6, 33.	1.2	18
67	Renewable hydropower generation as a co-benefit of balanced urban water portfolio management and flood risk mitigation. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 68, 1076-1087.	8.2	28
68	Examining the potential for energy-positive bulk-water infrastructure to provide long-term urban water security: A systems approach. <i>Journal of Cleaner Production</i> , 2017, 143, 557-566.	4.6	21
69	A systems approach for assessing water conservation potential through demand-based water tariffs. <i>Journal of Cleaner Production</i> , 2017, 148, 773-784.	4.6	44
70	Reprint of: The potential role of desalination in managing flood risks from dam overflows: the case of Sydney, Australia. <i>Journal of Cleaner Production</i> , 2017, 163, S125-S137.	4.6	0
71	Smart Technologies in Reducing Carbon Emission. , 2017, , .		5
72	Whale watch or no watch: the Australian whale watching tourism industry and climate change. <i>Regional Environmental Change</i> , 2017, 17, 477-488.	1.4	14

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73	Achieving energy efficiency in government buildings through mandatory policy and program enforcement. <i>Frontiers of Engineering Management</i> , 2017, 4, 92.	3.3	8
74	Implications of the Paris Climate Change Agreement for Adaptation Research and Universities. , 2017, , 251-262.		0
75	Paradigm shift to enhanced water supply planning through augmented grids, scarcity pricing and adaptive factory water: A system dynamics approach. <i>Environmental Modelling and Software</i> , 2016, 75, 348-361.	1.9	77
76	Model of the Russian Federation Construction Innovation System: An Integrated Participatory Systems Approach. <i>Systems</i> , 2016, 4, 29.	1.2	14
77	An integrated risk and vulnerability assessment framework for climate change and malaria transmission in East Africa. <i>Malaria Journal</i> , 2016, 15, 551.	0.8	39
78	Mapping the construction innovation system in the russian federation: Conceptual model development. , 2016, , .		0
79	Applications of Bayesian belief networks in water resource management: A systematic review. <i>Environmental Modelling and Software</i> , 2016, 85, 98-111.	1.9	112
80	State-of-the-art review revealing a roadmap for public building water and energy efficiency retrofit projects. <i>International Journal of Sustainable Built Environment</i> , 2016, 5, 526-548.	3.2	35
81	The potential role of desalination in managing flood risks from dam overflows: the case of Sydney, Australia. <i>Journal of Cleaner Production</i> , 2016, 135, 342-355.	4.6	12
82	Extreme events, water quality and health: A participatory Bayesian risk assessment tool for managers of reservoirs. <i>Journal of Cleaner Production</i> , 2016, 135, 657-667.	4.6	75
83	Energy intensity of residential rainwater tank systems: exploring the economic and environmental impacts. <i>Journal of Cleaner Production</i> , 2016, 113, 251-262.	4.6	27
84	Exploring climate change adaptive capacity of surf life saving in Australia using Bayesian belief networks. <i>Ocean and Coastal Management</i> , 2016, 120, 148-159.	2.0	10
85	Evaluating design alternatives of constructed storm-water treatment wetlands. , 2015, , .		0
86	Bayesian Network and system thinking modelling to manage water-related health risks from extreme events. , 2015, , .		4
87	Drought and Desalination: Melbourne water supply and development choices in the twenty-first century. <i>Desalination and Water Treatment</i> , 2015, 55, 2278-2295.	1.0	20
88	One human settlement: A transdisciplinary approach to climate change adaptation research. <i>Futures</i> , 2015, 65, 97-109.	1.4	31
89	Bridging the Water Supplyâ€‘demand Gap in Australia: Coupling Water Demand Efficiency with Rain-independent Desalination Supply. <i>Water Resources Management</i> , 2015, 29, 253-272.	1.9	26
90	Long-term water supply planning in an Australian coastal city: Dams or desalination?. <i>Desalination</i> , 2015, 358, 61-68.	4.0	33

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91	Water security through scarcity pricing and reverse osmosis: a system dynamics approach. Journal of Cleaner Production, 2015, 88, 160-171.	4.6	111
92	Coastal vulnerability to sea-level rise: a spatial-temporal assessment framework. Natural Hazards, 2014, 70, 395-414.	1.6	33
93	Improving cross-sectoral climate change adaptation for coastal settlements: insights from South East Queensland, Australia. Regional Environmental Change, 2014, 14, 489-500.	1.4	37
94	Water and energy nexus of residential rainwater tanks at an end use level: Case of Australia. Energy and Buildings, 2014, 80, 195-207.	3.1	29
95	A spatial temporal decision framework for adaptation to sea level rise. Environmental Modelling and Software, 2013, 46, 129-141.	1.9	33
96	Assessment of sea-level rise adaptation options. Structural Survey, 2013, 31, 283-300.	1.0	21
97	Showering behavioural response to alarming visual display monitors: longitudinal mixed method study. Behaviour and Information Technology, 2013, 32, 695-711.	2.5	57
98	Coastal vulnerability to Sea Level Rise: A spatio-temporal decision making tool. , 2010, , .		4
99	Decision dilemmas for adaptation to sea level rise: How to, when to?. , 2009, , .		6
100	Synergising decision making and interventions across human health and environment: concepts for designing a model for infectious diseases. Socio-Environmental Systems Modeling, 0, 3, 18126.	0.0	1