Oz Sahin

List of Publications by Year
in descending order

100	2,504	201658	233409
papers	citations	27	45
		h-index	g-index

102	102	102	2497
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Examining transition pathways to construction innovation in Russia: a system dynamics approach. International Journal of Construction Management, 2022, 22, 556-578.	3.2	6
2	Visioning a framework for effective environmental management of deep-sea polymetallic nodule mining: Drivers, barriers, and enablers. Journal of Cleaner Production, 2022, 337, 130487.	9.3	4
3	Underground LoRa Sensor Node for Bushfire Monitoring. Fire Technology, 2022, 58, 1087-1095.	3.0	1
4	Introduction to the Special Issue â€œLife in the Time of a Pandemic: Social, Economic, Health and Environmental Impacts of COVID-19â€"Systems Approach Studyâ€¢ Systems, 2022, 10, 36.	2.3	0
5	Exploring residential solar PV and battery energy storage adoption motivations and barriers in a mature PV market. Renewable Energy, 2022, 190, 684-698.	8.9	23
6	A critical review on tackling complex rare earth supply security problem. Resources Policy, 2022, 77, 102697.	9.6	8
7	How the decision to accept or reject PV affects the behaviour of residential battery system adopters. Applied Energy, 2022, 318, 119194.	10.1	9
8	An Integrated DPSIR-SD Framework for Sustainability Assessment of Roads in Australia. Sustainability, 2022, 14, 7142.	3.2	0
9	Mapping the Complex Journey of Swimming Pool Contaminants: A Multi-Method Systems Approach. Water (Switzerland), 2022, 14, 2062.	2.7	4
10	Bayesian Network revealing evidence-based strategies to enhance the performance of building envelope openings subject to wind-driven rain. Journal of Building Engineering, 2021, 33, 101565.	3.4	2
11	Is there a green premium in the green bond market? Systematic literature review revealing premium determinants. Journal of Cleaner Production, 2021, 280, 124491.	9.3	136
12	A system dynamics model for renewable energy technology adoption of the hotel sector. Renewable Energy, 2021, 163, 1994-2007.	8.9	22
13	Addressing dynamic uncertainty in the whale-watching industry under climate change and system shocks. Science of the Total Environment, 2021, 756, 143889.	8.0	8
14	Green building, split-incentives and affordable rental housing policy. Housing Studies, 2021, 36, 23-45.	2.4	11
15	A Systems Approach to Examining PhD Studentsâ€™ Well-Being: An Australian Case. Systems, 2021, 9, 17.	2.3	9
16	Adaptive Management of Deepâ€Seabed Mining Projects: A Systems Approach. Integrated Environmental Assessment and Management, 2021, , .	2.9	4
17	Scarcity Pricing for Water Demand Management: A Case Study in Campina Grande -- Brazil. Journal of Environmental Accounting and Management, 2021, 9, 75-91.	0.5	1
18	Finding Nano: Challenges Involved in Monitoring the Presence and Fate of Engineered Titanium Dioxide Nanoparticles in Aquatic Environments. Water (Switzerland), 2021, 13, 734.	2.7	19

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19	Examining green affordable housing policy outcomes in Australia: A systems approach. Journal of Cleaner Production, 2021, 293, 126212.	9.3	9
20	Dynamic modelling of Australian rooftop solar photovoltaic product stewardship transition. Waste Management, 2021, 127, 18-29.	7.4	9
21	Evaluating coral reef ecosystem services outcomes from climate change adaptation strategies using integrative system dynamics. Journal of Environmental Management, 2021, 285, 112082.	7.8	9
22	Building Compelling Business Cases for Digital Water Metering. Journal - American Water Works Association, 2021, 113, 64-75.	0.3	1
23	Residential solar photovoltaic adoption behaviour: End-to-end review of theories, methods and approaches. Renewable Energy, 2021, 170, 471-486.	8.9	42
24	Development of a Multi-Methodological Approach to Support the Management of Water Supply Systems. Water (Switzerland), 2021, 13, 1655.	2.7	1
25	Climate Change Adaptation Influences and Barriers Impacting the Asian Agricultural Industry. Sustainability, 2021, 13, 7346.	3.2	11
26	Beyond the Diffusion of Residential Solar Photovoltaic Systems at Scale: Allegorising the Battery Energy Storage Adoption Behaviour. Energies, 2021, 14, 5015.	3.1	7
27	Taxonomy and model for valuing the contribution of digital water meters to sustainability objectives. Journal of Environmental Management, 2021, 293, 112846.	7.8	5
28	Assessing how ecosystem-based adaptations to climate change influence community wellbeing: a Vanuatu case study. Regional Environmental Change, 2021, 21, 1.	2.9	4
29	Offsite construction supply chain strategies for matching affordable rental housing demand: A system dynamics approach. Sustainable Cities and Society, 2021, 73, 103093.	10.4	21
30	Drivers and barriers to the deployment of pumped hydro energy storage applications: Systematic literature review. Cleaner Engineering and Technology, 2021, 5, 100281.	4.0	27
31	Towards understanding the anticipated customer benefits of digital water metering. Urban Water Journal, 2021, 18, 137-150.	2.1	7
32	Enhancing Innovativeness in the Construction Sector: A System Dynamics Analysis. Advances in Science, Technology and Innovation, 2021, , 41-46.	0.4	1
33	R3SOLVE: A Serious Game to Support End-of-Life Rooftop Solar Panel Waste Management. Sustainability, 2021, 13, 12418.	3.2	5
34	Use of a structure aware discretisation algorithm for Bayesian networks applied to water quality predictions. Mathematics and Computers in Simulation, 2020, 175, 192-201.	4.4	6
35	Adaptation strategies for coral reef ecosystems in Small Island Developing States: Integrated modelling of local pressures and long-term climate changes. Journal of Cleaner Production, 2020, 253, 119864.	9.3	11
36	Identifying and prioritising adaptation options for a coastal freshwater supply and demand system under climatic and non-climatic changes. Regional Environmental Change, 2020, 20, 1.	2.9	4

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37	Mapping long-term coral reef ecosystems regime shifts: A small island developing state case study. Science of the Total Environment, 2020, 716, 137024.	8.0	17
38	Systems approach to end-of-life management of residential photovoltaic panels and battery energy storage system in Australia. Renewable and Sustainable Energy Reviews, 2020, 134, 110176.	16.4	14
39	Expert Opinion Valuation Method to Quantify Digital Water Metering Benefits. Water (Switzerland), 2020, 12, 1436.	2.7	6
40	Developing a Preliminary Causal Loop Diagram for Understanding the Wicked Complexity of the COVID-19 Pandemic. Systems, 2020, 8, 20.	2.3	77
41	Effectiveness of the Early Response to COVID-19: Data Analysis and Modelling. Systems, 2020, 8, 21.	2.3	10
42	Predictors, taxonomy of predictors, and correlations of predictors with the decision behaviour of residential solar photovoltaics adoption: A review. Renewable and Sustainable Energy Reviews, 2020, 123, 109749.	16.4	105
43	A systems approach to examining the drivers and barriers of renewable energy technology adoption in the hotel sector in Queensland, Australia. Journal of Hospitality and Tourism Management, 2020, 42, 153-172.	6.6	31
44	Integrating Lifecycle Thinking in Asset Management Through BIM: Opportunities for the Water Sector. Lecture Notes in Mechanical Engineering, 2020, , 81-88.	0.4	1
45	End-of-life management of solar photovoltaic and battery energy storage systems: A stakeholder survey in Australia. Resources, Conservation and Recycling, 2019, 150, 104444.	10.8	34
46	A Multi-Methodology Approach to Creating a Causal Loop Diagram. Systems, 2019, 7, 42.	2.3	33
47	Assessing the impacts of extreme weather events on potable water quality: the value to managers of a highly participatory, integrated modelling approach. H2Open Journal, 2019, 2, 9-24.	1.7	4
48	Revealing Unreported Benefits of Digital Water Metering: Literature Review and Expert Opinions. Water (Switzerland), 2019, 11, 838.	2.7	37
49	A soft traffic management approach for achieving environmentally sustainable and economically viable outcomes: An Australian case study. Journal of Environmental Management, 2019, 237, 379-386.	7.8	11
50	Spatial Bayesian Network for predicting sea level rise induced coastal erosion in a small Pacific Island. Journal of Environmental Management, 2019, 238, 341-351.	7.8	40
51	Applications of Bayesian Networks as Decision Support Tools for Water Resource Management under Climate Change and Socio-Economic Stressors: A Critical Appraisal. Water (Switzerland), 2019, 11, 2642.	2.7	25
52	Building a System Dynamics Model to Support Water Management: A Case Study of the Semiarid Region in the Brazilian Northeast. Water (Switzerland), 2019, 11, 2513.	2.7	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. Journal of Cleaner Production, 2019, 211, 537-554.	9.3	148

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55	Government championed strategies to overcome the barriers to public building energy efficiency retrofit projects. Sustainable Cities and Society, 2019, 44, 56-69.	10.4	87
56	Modeling Research Topics for Artificial Intelligence Applications in Medicine: Latent Dirichlet Allocation Application Study. Journal of Medical Internet Research, 2019, 21, e15511.	4.3	21
57	Assessment of the vulnerability of a coastal freshwater system to climatic and non-climatic changes: A system dynamics approach. Journal of Cleaner Production, 2018, 183, 940-955.	9.3	24
58	Integrated intelligent water-energy metering systems and informatics: Visioning a digital multi-utility service provider. Environmental Modelling and Software, 2018, 105, 94-117.	4.5	71
59	Re-engineering traditional urban water management practices with smart metering and informatics. Environmental Modelling and Software, 2018, 101, 256-267.	4.5	74
60	Evaluating a novel tiered scarcity adjusted water budget and pricing structure using a holistic systems modelling approach. Journal of Environmental Management, 2018, 215, 79-90.	7.8	22
61	Value-based modelling: an Australian case of off-site manufactured buildings. International Journal of Construction Management, 2018, 18, 34-52.	3.2	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. Applied Energy, 2018, 210, 409-419.	10.1	58
63	Guidelines, barriers and strategies for energy and water retrofits of public buildings. Journal of Cleaner Production, 2018, 174, 1064-1078.	9.3	55
64	An adaptive model for the autonomous monitoring and management of water end use. Smart Water, 2018, 3, .	3.1	11
65	Creating a Novel Multi-Layered Integrative Climate Change Adaptation Planning Approach Using a Systematic Literature Review. Sustainability, 2018, 10, 4100.	3.2	19
66	An Integrated Participatory Systems Modelling Approach: Application to Construction Innovation. Systems, 2018, 6, 33.	2.3	18
67	Renewable hydropower generation as a co-benefit of balanced urban water portfolio management and flood risk mitigation. Renewable and Sustainable Energy Reviews, 2017, 68, 1076-1087.	16.4	28
68	Examining the potential for energy-positive bulk-water infrastructure to provide long-term urban water security: A systems approach. Journal of Cleaner Production, 2017, 143, 557-566.	9.3	21
69	A systems approach for assessing water conservation potential through demand-based water tariffs. Journal of Cleaner Production, 2017, 148, 773-784.	9.3	44
70	Reprint of: The potential role of desalination in managing flood risks from dam overflows: the case of Sydney, Australia. Journal of Cleaner Production, 2017, 163, S125-S137.	9.3	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. Regional Environmental Change, 2017, 17, 477-488.	2.9	14

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73	Achieving energy efficiency in government buildings through mandatory policy and program enforcement. Frontiers of Engineering Management, 2017, 4, 92.	6.1	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. Environmental Modelling and Software, 2016, 75, 348-361.	4.5	77
76	Model of the Russian Federation Construction Innovation System: An Integrated Participatory Systems Approach. Systems, 2016, 4, 29.	2.3	14
77	An integrated risk and vulnerability assessment framework for climate change and malaria transmission in East Africa. Malaria Journal, 2016, 15, 551.	2.3	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. Environmental Modelling and Software, 2016, 85, 98-111.	4.5	112
80	State-of-the-art review revealing a roadmap for public building water and energy efficiency retrofit projects. International Journal of Sustainable Built Environment, 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. Journal of Cleaner Production, 2016, 135, 342-355.	9.3	12
82	Extreme events, water quality and health: A participatory Bayesian risk assessment tool for managers of reservoirs. Journal of Cleaner Production, 2016, 135, 657-667.	9.3	75
83	Energy intensity of residential rainwater tank systems: exploring the economic and environmental impacts. Journal of Cleaner Production, 2016, 113, 251-262.	9.3	27
84	Exploring climate change adaptive capacity of surf life saving in Australia using Bayesian belief networks. Ocean and Coastal Management, 2016, 120, 148-159.	4.4	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. Desalination and Water Treatment, 2015, 55, 2278-2295.	1.0	20
88	One human settlement: A transdisciplinary approach to climate change adaptation research. Futures, 2015, 65, 97-109.	2.5	31
89	Bridging the Water Supplyâ€"demand Gap in Australia: Coupling Water Demand Efficiency with Rain-independent Desalination Supply. Water Resources Management, 2015, 29, 253-272.	3.9	26
90	Long-term water supply planning in an Australian coastal city: Dams or desalination?. Desalination, 2015, 358, 61-68.	8.2	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.	9.3	111
92	Coastal vulnerability to sea-level rise: a spatial–temporal assessment framework. Natural Hazards, 2014, 70, 395-414.	3.4	33
93	Improving cross-sectoral climate change adaptation for coastal settlements: insights from South East Queensland, Australia. Regional Environmental Change, 2014, 14, 489-500.	2.9	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.	6.7	29
95	A spatial temporal decision framework for adaptation to sea level rise. Environmental Modelling and Software, 2013, 46, 129-141.	4.5	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.	4.0	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