

Paulien M Herder

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

2,277
citations

304368

22
h-index

233125

45
g-index

99
all docs

99
docs citations

99
times ranked

2153
citing authors

#	ARTICLE	IF	CITATIONS
1	Commoning toward urban resilience: The role of trust, social cohesion, and involvement in a simulated urban commons setting. <i>Journal of Urban Affairs</i> , 2023, 45, 142-167.	1.0	10
2	Enhancing the resilience of drinking water infrastructures. <i>International Journal of Critical Infrastructures</i> , 2022, 18, 1.	0.1	1
3	Analysing community-based initiatives for heating and cooling: A systematic and critical review. <i>Energy Research and Social Science</i> , 2022, 88, 102507.	3.0	19
4	Re-organise: Game-Based Learning of Circular Business Model Innovation. <i>Frontiers in Sustainability</i> , 2022, 3, .	1.3	3
5	Energy security in community energy systems: An agent-based modelling approach. <i>Journal of Cleaner Production</i> , 2022, 366, 132765.	4.6	13
6	Resilient Drinking Water Resources. <i>Water Resources Management</i> , 2021, 35, 337-351.	1.9	6
7	The Role of Wealth Inequality on Collective Action for Management of Common Pool Resource. <i>Springer Proceedings in Complexity</i> , 2021, , 375-379.	0.2	0
8	Sustaining Collective Action in Urban Community Gardens. <i>Jasss</i> , 2021, 24, .	1.0	3
9	Diversity and Challenges of the Urban Commons: A Comprehensive Review. <i>International Journal of the Commons</i> , 2021, 15, 1.	0.6	27
10	An ex ante assessment of value conflicts and social acceptance of sustainable heating systems. <i>Energy Policy</i> , 2021, 153, 112265.	4.2	12
11	Agent-based modelling and simulation for circular business model experimentation. <i>Resources, Conservation & Recycling Advances</i> , 2021, 12, 200055.	1.1	2
12	Actor Behaviour and Robustness of Industrial Symbiosis Networks: An Agent-Based Modelling Approach. <i>Jasss</i> , 2021, 24, .	1.0	8
13	The dual effects of the Internet of Things (IoT): A systematic review of the benefits and risks of IoT adoption by organizations. <i>International Journal of Information Management</i> , 2020, 51, 101952.	10.5	170
14	A method for designing minimum-cost multisource multisink network layouts. <i>Systems Engineering</i> , 2020, 23, 14-35.	1.6	5
15	Modeling the decentralized energy investment and operation in the prosumer era: a systematic review. , 2020, , .		3
16	Formation and Continuation of Thermal Energy Community Systems: An Explorative Agent-Based Model for the Netherlands. <i>Energies</i> , 2020, 13, 2829.	1.6	16
17	A spatially explicit planning approach for power systems with a high share of renewable energy sources. <i>Applied Energy</i> , 2020, 260, 114233.	5.1	12
18	Internet of Things adoption for reconfiguring decision-making processes in asset management. <i>Business Process Management Journal</i> , 2019, 25, 495-511.	2.4	31

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19	Next Generation Data Infrastructures: Towards an Extendable Model of the Asset Management Data Infrastructure as Complex Adaptive System. Complexity, 2019, 2019, 1-17.	0.9	8
20	The integrated offshore grid in Europe: Exploring challenges for regional energy governance. Energy Research and Social Science, 2019, 52, 55-67.	3.0	12
21	Trust, awareness, and independence: Insights from a socio-psychological factor analysis of citizen knowledge and participation in community energy systems. Energy Research and Social Science, 2018, 38, 33-40.	3.0	146
22	Expansion planning of the North Sea offshore grid: Simulation of integrated governance constraints. Energy Economics, 2018, 72, 376-392.	5.6	27
23	Aggregated fuel cell vehicles in electricity markets with high wind penetration. , 2018, , .		3
24	Conceptualization of Vehicle-to-Grid Contract Types and Their Formalization in Agent-Based Models. Complexity, 2018, 2018, 1-11.	0.9	4
25	A comprehensive approach to reviewing latent topics addressed by literature across multiple disciplines. Applied Energy, 2018, 228, 2111-2128.	5.1	10
26	Technology, Policy and Management: Co-evolving or Converging?. , 2018, , 9-14.		0
27	The influence of information quality on decision-making for networked infrastructure management. Structure and Infrastructure Engineering, 2017, 13, 696-708.	2.0	6
28	Institutional challenges caused by the integration of renewable energy sources in the European electricity sector. Renewable and Sustainable Energy Reviews, 2017, 75, 660-667.	8.2	123
29	Transmission expansion simulation for the European Northern Seas offshore grid. Energy, 2017, 125, 805-824.	4.5	24
30	Cooperation under uncertainty: Assessing the value of risk sharing and determining the optimal risk-sharing rule for agents with pre-existing business and diverging risk attitudes. International Journal of Project Management, 2017, 35, 530-540.	2.7	21
31	An approach for flexible design of infrastructure networks via a risk sharing contract: The case of CO2 transport infrastructure. International Journal of Greenhouse Gas Control, 2017, 63, 401-411.	2.3	4
32	A gaming approach to networked infrastructure management. Structure and Infrastructure Engineering, 2017, 13, 855-868.	2.0	10
33	An Approach for Integrating Valuable Flexibility During Conceptual Design of Networks. Networks and Spatial Economics, 2017, 17, 317-341.	0.7	10
34	Highlights from CESUN 2016: Contemporary issues in methodological rigor for systems research. Systems Engineering, 2017, 20, 481-482.	1.6	1
35	Static volume-based and control-based contracts for coordinating vehicle-to-grid supply in a microgrid. , 2017, , .		1
36	Developing and Understanding Design Interventions in Relation to Industrial Symbiosis Dynamics. Sustainability, 2017, 9, 826.	1.6	6

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37	Local Alternative for Energy Supply: Performance Assessment of Integrated Community Energy Systems. <i>Energies</i> , 2016, 9, 981.	1.6	61
38	Valuing information for sewer replacement decisions. <i>Water Science and Technology</i> , 2016, 74, 796-804.	1.2	3
39	Governing Asset Management Data Infrastructures. <i>Procedia Computer Science</i> , 2016, 95, 303-310.	1.2	18
40	A socio-technical perspective to flexible design of energy infrastructure systems. , 2016, , .		2
41	Incentivising consumers in smart grids to shift their electricity use. , 2016, , .		2
42	Energetic communities for community energy: A review of key issues and trends shaping integrated community energy systems. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 56, 722-744.	8.2	503
43	Decision-making for sewer asset management: Theory and practice. <i>Urban Water Journal</i> , 2016, 13, 57-68.	1.0	31
44	Coordinating Data-Driven Decision-Making in Public Asset Management Organizations: A Quasi-Experiment for Assessing the Impact of Data Governance on Asset Management Decision Making. <i>Lecture Notes in Computer Science</i> , 2016, , 573-583.	1.0	0
45	Innovative contracting and the need for dynamic adaptive standards in the asset management of transportation infrastructures. <i>International Journal of Strategic Engineering Asset Management</i> , 2015, 2, 395.	0.6	0
46	The Car as Power Plant: Towards socio-technical systems integration. , 2015, , .		2
47	Towards Modelling Data Infrastructures in the Asset Management Domain. <i>Procedia Computer Science</i> , 2015, 61, 274-280.	1.2	12
48	Assessing complexity of carbon capture and storage using multi-criteria decision-making methods. , 2015, , .		2
49	Smart thermal grid. , 2015, , .		2
50	Assessing relative importance and mutual influence of barriers for CCS deployment of the ROAD project using AHP and DEMATEL methods. <i>International Journal of Greenhouse Gas Control</i> , 2015, 41, 336-357.	2.3	66
51	Exploring for real options during CCS networks conceptual design to mitigate effects of path-dependency and lock-in. <i>International Journal of Greenhouse Gas Control</i> , 2015, 42, 16-25.	2.3	7
52	From Mitigation to Adaptation in Asset Management for Climate Change: A Discussion. <i>Lecture Notes in Mechanical Engineering</i> , 2015, , 103-115.	0.3	2
53	Information Use in Dutch Sewer Asset Management. <i>Lecture Notes in Mechanical Engineering</i> , 2015, , 615-624.	0.3	3
54	Intuition and information in decision-making for sewer asset management. <i>Urban Water Journal</i> , 2014, 11, 506-518.	1.0	28

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55	Data Infrastructures for Asset Management Viewed as Complex Adaptive Systems. <i>Procedia Computer Science</i> , 2014, 36, 124-130.	1.2	12
56	Maximising the Worth of Nascent Networks. <i>Networks and Spatial Economics</i> , 2014, 14, 27-46.	0.7	7
57	Analysis of future electricity demand and supply in the low voltage distribution grid. , 2014, , .		7
58	Reliability Integration to Process Synthesis applied to GTL Processes. <i>Computer Aided Chemical Engineering</i> , 2014, 33, 79-84.	0.3	0
59	The Dynamics of Outsourcing Maintenance of Civil Infrastructures in Performance-Based Contracts. <i>Lecture Notes in Mechanical Engineering</i> , 2014, , 677-687.	0.3	2
60	Flexible Gas Infrastructures. <i>Lecture Notes in Mechanical Engineering</i> , 2014, , 655-663.	0.3	0
61	Asset management maturity in public infrastructure: the case of Rijkswaterstaat. <i>International Journal of Strategic Engineering Asset Management</i> , 2013, 1, 439.	0.6	13
62	An agent based model for the exploration and assessment of sulfur technology for upstream stranded gas fields. <i>Computer Aided Chemical Engineering</i> , 2013, , 1051-1056.	0.3	0
63	Simulation and Gaming for Understanding the Complexity of Cooperation in Industrial Networks. , 2012, , 81-92.		5
64	A Systems View on Infrastructure Asset Management. , 2012, , 31-46.		9
65	Building a Syngas Infrastructure: Translating Inverse Properties into Design Recommendations. , 2012, , .		1
66	Buying real options “Valuing uncertainty in infrastructure planning. <i>Futures</i> , 2011, 43, 961-969.	1.4	37
67	A double analysis of stakeholder interaction in public infrastructure management. <i>Facilities</i> , 2011, 29, 563-576.	0.8	6
68	Using Gilbert networks to reveal uncertainty in the planning of multi-user infrastructures. , 2011, , .		3
69	Research in engineering design: the role of mathematical theory and empirical evidence. <i>Research in Engineering Design - Theory, Applications, and Concurrent Engineering</i> , 2010, 21, 145-151.	1.2	23
70	Investment Decision Making for Alternative Fuel Public Transport Buses: The Case of Brisbane Transport. <i>Journal of Public Transportation</i> , 2010, 13, 115-133.	0.3	12
71	Integration of societal outage cost into infrastructure design and maintenance optimisation. , 2009, , .		0
72	Designing Socio-Technical Systems. , 2009, , 601-630.		35

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73	The Pugh Controlled Convergence method: model-based evaluation and implications for design theory. <i>Research in Engineering Design - Theory, Applications, and Concurrent Engineering</i> , 2009, 20, 41-58.	1.2	83
74	System and Actor Perspectives on Sociotechnical Systems. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2009, 39, 981-992.	3.4	109
75	Recycling industrial waste heat for sustainable district heating: a multi-actor perspective. <i>International Journal of Environmental Technology and Management</i> , 2009, 10, 412.	0.1	20
76	Uncertainties in the design and operation of distributed energy resources: The case of micro-CHP systems. <i>Energy</i> , 2008, 33, 1518-1536.	4.5	83
77	Industrial application of RAM modeling. <i>Reliability Engineering and System Safety</i> , 2008, 93, 501-508.	5.1	21
78	On the robustness, effectiveness and reliability of chemical and mechanical heat pumps for low-temperature heat source district heating: A comparative simulation-based analysis and evaluation. <i>Energy</i> , 2008, 33, 908-929.	4.5	37
79	Multi-fuel syngas infrastructures in seaports. , 2008, , .		0
80	Design of a syngas infrastructure. <i>Computer Aided Chemical Engineering</i> , 2008, 25, 223-228.	0.3	5
81	Road roles Using gaming simulation as decision technique for future asset management practices. <i>Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics</i> , 2008, , .	0.0	4
82	Designing infrastructures using a complex systems perspective. <i>Journal of Design Research</i> , 2008, 7, 17.	0.1	33
83	An Evaluation of the Pugh Controlled Convergence Method. , 2007, , 193.		13
84	Adaptive control approach in modeling life-cycle maintenance policy selection and optimisation during infrastructure systems conceptual design & operation. <i>Computer Aided Chemical Engineering</i> , 2007, 24, 1145-1150.	0.3	2
85	Integrated conceptual design of a robust and reliable waste-heat district heating system. <i>Applied Thermal Engineering</i> , 2007, 27, 1158-1164.	3.0	50
86	Sustainable District Heating System: A Multi-Actor Perspective. , 2006, , .		0
87	Long term optimization of asset replacement in energy infrastructures. , 2006, , .		17
88	Methanol-Based Industrial Cluster Design: A Study of Design Options and the Design Process. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 3879-3885.	1.8	22
89	Developing a methanol-based industrial cluster. <i>Computer Aided Chemical Engineering</i> , 2003, 14, 305-310.	0.3	0
90	Decision making in the methanol production chain a screening tool for exploring alternative production chains. <i>Computer Aided Chemical Engineering</i> , 2003, 15, 481-486.	0.3	3

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91	Developing and implementing innovative ICT-supported engineering education and educational services: results of a faculty-wide research and implementation programme. <i>European Journal of Engineering Education</i> , 2003, 28, 403-420.	1.5	4
92	The use of video-taped lectures and web-based communications in teaching: A distance-teaching and cross-Atlantic collaboration experiment. <i>European Journal of Engineering Education</i> , 2002, 27, 39-48.	1.5	22
93	Integrating reliability optimization into chemical process synthesis. <i>Reliability Engineering and System Safety</i> , 2002, 78, 247-258.	5.1	32
94	Challenges for process systems engineering in infrastructure design. <i>Computers and Chemical Engineering</i> , 2000, 24, 1775-1780.	2.0	12
95	A concurrent engineering approach to chemical process design. <i>International Journal of Production Economics</i> , 2000, 64, 311-318.	5.1	25
96	System of Systems Perspectives on Infrastructures. , 0, , 257-274.		4