

Matthew Kuperus Heun

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

595
citations

840119

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642321

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34
all docs

34
docs citations

34
times ranked

515
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing a Multi-Regional Physical Supply Use Table framework to improve the accuracy and reliability of energy analysis. <i>Applied Energy</i> , 2022, 310, 118413.	5.1	7
2	The Contributions of Muscle and Machine Work to Land and Labor Productivity in World Agriculture Since 1800. <i>Biophysical Economics and Sustainability</i> , 2022, 7, 1.	0.7	4
3	A Framework for Sustainability Thinking: A Student's Introduction to Global Sustainability Challenges. <i>Synthesis Lectures on Sustainable Development</i> , 2022, 3, 1-275.	0.2	0
4	Moving from final to useful stage in energy-economy analysis: A critical assessment. <i>Applied Energy</i> , 2021, 283, 116194.	5.1	8
5	Energy efficiency and economy-wide rebound effects: A review of the evidence and its implications. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 141, 110781.	8.2	149
6	The Energy and Exergy of Light with Application to Societal Exergy Analysis. <i>Energies</i> , 2020, 13, 5489.	1.6	4
7	Assessing energy and economic impacts of large-scale policy shocks based on Input-Output analysis: Application to Brexit. <i>Applied Energy</i> , 2020, 274, 115300.	5.1	9
8	Quantifying the Environmental Impacts of Cookstove Transitions: A Societal Exergy Analysis Based Model of Energy Consumption and Forest Stocks in Honduras. <i>Energies</i> , 2020, 13, 3206.	1.6	3
9	Meeting 2030 primary energy and economic growth goals: Mission impossible?. <i>Applied Energy</i> , 2019, 251, 112697.	5.1	40
10	The Correlation between Energy Cost Share, Human, and Economic Development: Using Time Series Data from Australasia, Europe, North America, and the BRICS Nations. <i>Energies</i> , 2018, 11, 2405.	1.6	2
11	A physical supply-use table framework for energy analysis on the energy conversion chain. <i>Applied Energy</i> , 2018, 226, 1134-1162.	5.1	28
12	Untangling the drivers of energy reduction in the UK productive sectors: Efficiency or offshoring?. <i>Applied Energy</i> , 2018, 223, 124-133.	5.1	48
13	An overview of salient factors, relationships and values to support integrated energy-economic systems dynamic modeling. <i>Journal of Energy in Southern Africa</i> , 2018, 29, 27-36.	0.5	3
14	Outsourcing or efficiency? Investigating the decline in final energy consumption in the UK productive sectors. <i>Energy Procedia</i> , 2017, 142, 2409-2414.	1.8	5
15	From Theory to Econometrics to Energy Policy: Cautionary Tales for Policymaking Using Aggregate Production Functions. <i>Energies</i> , 2017, 10, 203.	1.6	19
16	Energy Rebound as a Potential Threat to a Low-Carbon Future: Findings from a New Exergy-Based National-Level Rebound Approach. <i>Energies</i> , 2017, 10, 51.	1.6	69
17	Energy-Extended CES Aggregate Production: Current Aspects of Their Specification and Econometric Estimation. <i>Energies</i> , 2017, 10, 202.	1.6	18
18	Energy return on (energy) invested (EROI), oil prices, and energy transitions. <i>Energy Policy</i> , 2012, 40, 147-158.	4.2	64

#	ARTICLE	IF	CITATIONS
19	Aerodynamic and Mission Performance of a Winged Balloon Guidance System. Journal of Aircraft, 2007, 44, 1923-1938.	1.7	17
20	Analysis of the Performance of Earthship Housing in Various Global Climates. , 2007, , 431.		5
21	Directed aerial robot explorers for planetary exploration. Advances in Space Research, 2004, 33, 1825-1830.	1.2	14
22	Advanced Balloon Performance Simulation and Analysis Tool. , 2003, , .		4
23	Biological Analogs and Emergent Intelligence for Control of Stratospheric Balloon Constellations. Lecture Notes in Computer Science, 2003, , 393-407.	1.0	0
24	A method for balloon trajectory control. Advances in Space Research, 2002, 30, 1227-1232.	1.2	16
25	Global stratospheric balloon constellations. Advances in Space Research, 2002, 30, 1233-1238.	1.2	8
26	Trajectory simulation for single balloons and networks. Advances in Space Research, 2002, 30, 1239-1244.	1.2	0
27	Thermal and Structural Test Results for a Venus Deep-Atmosphere Instrument Enclosure. Journal of Spacecraft and Rockets, 2000, 37, 142-144.	1.3	10
28	Balloon trajectory control. , 1999, , .		15
29	Latitudinal dispersion characteristics of very long duration stratospheric constant-altitude balloon trajectories. , 1999, , .		3
30	Gondola design for Venus deep-atmosphere aerobot operation. , 1998, , .		7
31	Mars Balloon Trajectory Model for Mars Geoscience Aerobot development. , 1997, , .		6
32	Mars 2001 Aerobot/Balloon System overview. , 1997, , .		3