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An integrated multi-objective optimization model for determining the optimal solution in implementing the rooftop photovoltaic system

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#	Paper	IF	Citations
55	A review on sustainable construction management strategies for monitoring, diagnosing, and retrofitting the building's dynamic energy performance: Focused on the operation and maintenance phase. <i>Applied Energy</i> , <b>2015</b> , 155, 671-707	10.7	107
54	A finite element model for estimating the techno-economic performance of the building-integrated photovoltaic blind. <i>Applied Energy</i> , <b>2016</b> , 179, 211-227	10.7	24
53	Maximizing investment value of small-scale PV in a smart grid environment. <b>2016</b> ,		4
52	Framework for Optimizing the Solar Incentive from the Perspectives of Residents and Policy Makers. <i>Energy Procedia</i> , <b>2016</b> , 103, 189-194	2.3	
51	Zoning-Based Vertical Transportation Optimization for Workers at Peak Time in a Skyscraper Construction. <i>Computer-Aided Civil and Infrastructure Engineering</i> , <b>2016</b> , 31, 826-845	8.4	17
50	Nonlinearity analysis of the shading effect on the technical-economic performance of the building-integrated photovoltaic blind. <i>Applied Energy</i> , <b>2017</b> , 194, 467-480	10.7	22
49	Development of the smart photovoltaic system blind and its impact on net-zero energy solar buildings using technical-economic-political analyses. <i>Energy</i> , <b>2017</b> , 124, 382-396	7.9	43
48	A comparison of environmental and energetic performance of European countries: A sustainability index. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 78, 401-413	16.2	69
47	BIM-based PV system optimization and deployment. <i>Energy and Buildings</i> , <b>2017</b> , 150, 13-22	7	23
46	Leveraging smart meter data for economic optimization of residential photovoltaics under existing tariff structures and incentive schemes. <i>Applied Energy</i> , <b>2017</b> , 201, 158-173	10.7	9
45	Establishment of an optimal occupant behavior considering the energy consumption and indoor environmental quality by region. <i>Applied Energy</i> , <b>2017</b> , 204, 1431-1443	10.7	31
44	Development of an integrated multi-objective optimization model for determining the optimal solar incentive design. <i>International Journal of Energy Research</i> , <b>2017</b> , 41, 1749-1766	4.5	12
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41	An integrated psychological response score of the occupants based on their activities and the indoor environmental quality condition changes. <i>Building and Environment</i> , <b>2017</b> , 123, 66-77	6.5	26
40	Establishment of a base price for the Solar Renewable Energy Credit (SREC) from the perspective of residents and state governments in the United States. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 75, 1066-1080	16.2	16
39	Theory of an Intelligent Planning Unit for the Complex Built Environment. <i>Journal of Management in Engineering - ASCE</i> , <b>2017</b> , 33, 04016046	5.3	11

38	Advanced Strategies for Net-Zero Energy Building: Focused on the Early Phase and Usage Phase of a Building's Life Cycle. <i>Sustainability</i> , <b>2017</b> , 9, 2272	3.6	19
37	Improving the prediction performance of the finite element model for estimating the technical performance of the distributed generation of solar power system in a building façade. <i>Applied Energy</i> , <b>2018</b> , 215, 41-53	10.7	10
36	e-BIM: a BIM-centric design and analysis software for Building Integrated Photovoltaics. <i>Automation in Construction</i> , <b>2018</b> , 87, 127-137	9.6	14
35	Site selection decision framework using fuzzy ANP-VIKOR for large commercial rooftop PV system based on sustainability perspective. <i>Sustainable Cities and Society</i> , <b>2018</b> , 40, 454-470	10.1	64
34	A BREAK-EVEN ANALYSIS AND IMPACT ANALYSIS OF RESIDENTIAL SOLAR PHOTOVOLTAIC SYSTEMS CONSIDERING STATE SOLAR INCENTIVES. <i>Technological and Economic Development of Economy</i> , <b>2018</b> , 24, 358-382	4.7	14
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25	Advanced Studies in Energy Efficiency and Built Environment for Developing Countries. <i>Advances in Science, Technology and Innovation</i> , <b>2019</b> ,	0.3	1
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22	Analyzing the real-time indoor environmental quality factors considering the influence of the building occupants' behaviors and the ventilation. <i>Building and Environment</i> , <b>2019</b> , 156, 99-109	6.5	16
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13	An integrated psychological score for occupants based on their perception and emotional response according to the windows outdoor view size. <i>Building and Environment</i> , <b>2020</b> , 180, 107019	6.5	7
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