

# Macedon Dumitru Moldovan

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

407  
citations

840776

11  
h-index

752698

20  
g-index

42  
all docs

42  
docs citations

42  
times ranked

345  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the renewable energy mix in a building toward the nearly zero energy status. Energy and Buildings, 2014, 68, 72-78.	6.7	63
2	Novel triangle flat plate solar thermal collector for facades integration. Renewable Energy, 2019, 143, 252-262.	8.9	52
3	Design and experimental optimisation of a novel flat plate solar thermal collector with trapezoidal shape for facades integration. Applied Thermal Engineering, 2015, 90, 432-443.	6.0	49
4	Solar Heating & Cooling Energy Mixes to Transform Low Energy Buildings in Nearly Zero Energy Buildings. Energy Procedia, 2014, 48, 924-937.	1.8	33
5	Comparative analysis of the infield response of five types of photovoltaic modules. Renewable Energy, 2016, 95, 178-190.	8.9	29
6	Facades Integrated Solar-thermal Collectors – Challenges and Solutions. Energy Procedia, 2017, 112, 176-185.	1.8	25
7	Thermal Load based Adaptive Tracking for Flat Plate Solar Collectors. Energy Procedia, 2014, 48, 1401-1411.	1.8	20
8	Enhanced Sustainable Cooling for Low Energy Office Buildings in Continental Temperate Climate. Journal of Energy Engineering - ASCE, 2017, 143, .	1.9	14
9	ENERGETIC AUTONOMY FOR A SOLAR HOUSE. Environmental Engineering and Management Journal, 2011, 10, 1283-1290.	0.6	14
10	Solar Energy Conversion Systems in the Built Environment. Green Energy and Technology, 2020, , .	0.6	13
11	Outdoor performance of a trapeze solar thermal collector for facades integration. Renewable Energy, 2019, 137, 37-44.	8.9	12
12	PSEUDO-EQUATORIAL TRACKING OPTIMIZATION FOR SMALL PHOTOVOLTAIC PLATFORMS FROM TORONTO/CANADA. Environmental Engineering and Management Journal, 2011, 10, 1059-1068.	0.6	9
13	Optimising the thickness of the water layer in a triangle solar thermal collector. Renewable Energy, 2021, 173, 381-388.	8.9	8
14	Outdoor simultaneous testing of four types of photovoltaic tracked modules. Journal of Renewable and Sustainable Energy, 2014, 6, .	2.0	7
15	Adaptability of solar energy conversion systems on ships. IOP Conference Series: Materials Science and Engineering, 2016, 147, 012070.	0.6	6
16	Experimental Comparison of Flat Plate and Evacuated Tube Solar Thermal Collectors for Domestic Hot Water Preparation in Education Facilities. Journal of Sustainable Development of Energy, Water and Environment Systems, 2020, 8, 293-303.	1.9	6
17	Experimental Performance Assessment of Vertically Installed Solar Thermal Collectors. Journal of Sustainable Development of Energy, Water and Environment Systems, 2020, 8, 692-700.	1.9	6
18	Future trends for solar energy use in nearly zero energy buildings. , 2016, , 547-569.		5

#	ARTICLE	IF	CITATIONS
19	Fly Ash Waste Recycling by Pt/TiO <sub>2</sub> Incorporation for Industrial Dye Removal. International Journal of Environmental Research and Public Health, 2021, 18, 3887.	2.6	5
20	Structural Synthesis of Parallel Linkages by Multibody Systems Method. Applied Mechanics and Materials, 0, 658, 153-158.	0.2	4
21	Yearly Electrical Energy Assessment of a Photovoltaic Platform/Geothermal Heat Pump Prosumer. Energies, 2021, 14, 3776.	3.1	4
22	Development of an indoor testing rig for fa <sup>Ã</sup> sade integrated solar thermal collectors. E3S Web of Conferences, 2019, 85, 04005.	0.5	3
23	Architecturally Integrated Multifunctional Solar-Thermal Fa <sup>Ã</sup> sades. Springer Proceedings in Energy, 2014, , 47-65.	0.3	3
24	Implementing Renewable Energy Systems in Nearly Zero Energy Communities. Springer Proceedings in Energy, 2018, , 3-24.	0.3	3
25	On a New Parallel Tracking System for Accurate Orientation of Concentrated Solar Convertors. Applied Mechanics and Materials, 2014, 658, 105-110.	0.2	1
26	Two degrees of freedom parallel linkage to track solar thermal platforms installed on ships. IOP Conference Series: Materials Science and Engineering, 2016, 147, 012071.	0.6	1
27	Renewable Energy Systems for a Multi-family Building Community. Springer Proceedings in Energy, 2018, , 129-147.	0.3	1
28	Renewable Energy Sources and Systems. Green Energy and Technology, 2020, , 59-158.	0.6	1
29	Achieving the Sustainable Development Goals Through Education on Renewable Energy. Mechanisms and Machine Science, 2022, , 87-96.	0.5	1
30	Structural Synthesis of Planar Geared Linkage Mechanisms as Multibody Systems. Mechanisms and Machine Science, 2017, , 99-106.	0.5	1
31	One Year Experimental Evaluation of the Electrical Gain by Solar Tracking a 12 <sup>Ã</sup> kW Photovoltaic System Installed on a Building Rooftop. Mechanisms and Machine Science, 2021, , 551-559.	0.5	1
32	The Built Environment. Green Energy and Technology, 2020, , 1-57.	0.6	1
33	Sustainable Communities. Green Energy and Technology, 2020, , 341-384.	0.6	1
34	Experimental Assessment Of The Tilt Angle Influence On The Solar Thermal Collectors Performance. , 2020, , .		1
35	Deployable Mobile Units Concepts for Photovoltaic and Solar Thermal Arrays. Springer Proceedings in Energy, 2018, , 364-374.	0.3	0
36	Increasing the Solar Share for Domestic Hot Water, Heating and Cooling in the Built Environment. Green Energy and Technology, 2020, , 241-326.	0.6	0

#	ARTICLE	IF	CITATIONS
37	Increasing the Solar Share for Electrical and Thermal Energy Production in the Built Environment. Green Energy and Technology, 2020, , 327-339.	0.6	0
38	Outdoor Performance of Triangle Solar Thermal Collectors for Facades Integration. Springer Proceedings in Energy, 2020, , 51-63.	0.3	0
39	Increasing the Solar Share in Electricity Production in the Built Environment. Green Energy and Technology, 2020, , 159-239.	0.6	0