Macedon Dumitru Moldovan

List of Publications by Year
in descending order

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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	Achieving the Sustainable Development Goals Through Education on Renewable Energy. Mechanisms and Machine Science, 2022, , 87-96.	0.5	1
2	Fly Ash Waste Recycling by Pt/TiO2 Incorporation for Industrial Dye Removal. International Journal of Environmental Research and Public Health, 2021, 18, 3887.	2.6	5
3	Yearly Electrical Energy Assessment of a Photovoltaic Platform/Geothermal Heat Pump Prosumer. Energies, 2021, 14, 3776.	3.1	4
4	Optimising the thickness of the water layer in a triangle solar thermal collector. Renewable Energy, 2021, 173, 381-388.	8.9	8
5	One Year Experimental Evaluation of the Electrical Gain by Solar Tracking a 12ÂKW Photovoltaic System Installed on a Building Rooftop. Mechanisms and Machine Science, 2021, , 551-559.	0.5	1
6	Renewable Energy Sources and Systems. Green Energy and Technology, 2020, , 59-158.	0.6	1
7	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
8	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
9	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
10	Increasing the Solar Share for Electrical and Thermal Energy Production in the Built Environment. Green Energy and Technology, 2020, , 327-339.	0.6	0
11	Outdoor Performance of Triangle Solar Thermal Collectors for Facades Integration. Springer Proceedings in Energy, 2020, , 51-63.	0.3	0
12	The Built Environment. Green Energy and Technology, 2020, , 1-57.	0.6	1
13	Solar Energy Conversion Systems in the Built Environment. Green Energy and Technology, 2020, , .	0.6	13
14	Increasing the Solar Share in Electricity Production in the Built Environment. Green Energy and Technology, 2020, , 159-239.	0.6	0
15	Sustainable Communities. Green Energy and Technology, 2020, , 341-384.	0.6	1
16	Experimental Assessment Of The Tilt Angle Influence On The Solar Thermal Collectors Performance. , 2020, , .		1
17	Novel triangle flat plate solar thermal collector for facades integration. Renewable Energy, 2019, 143, 252-262.	8.9	52
18	Development of an indoor testing rig for faÃ§ade integrated solar thermal collectors. E3S Web of Conferences, 2019, 85, 04005.	0.5	3

#	Article	IF	Citations
19	Outdoor performance of a trapeze solar thermal collector for facades integration. Renewable Energy, 2019, 137, 37-44.	8.9	12
20	Renewable Energy Systems for a Multi-family Building Community. Springer Proceedings in Energy, 2018, , 129-147.	0.3	1
21	Implementing Renewable Energy Systems in Nearly Zero Energy Communities. Springer Proceedings in Energy, 2018, , 3-24.	0.3	3
22	Deployable Mobile Units Concepts for Photovoltaic and Solar Thermal Arrays. Springer Proceedings in Energy, 2018, , 364-374.	0.3	0
23	Facades Integrated Solar-thermal Collectors â€“ Challenges and Solutions. Energy Procedia, 2017, 112, 176-185.	1.8	25
24	Enhanced Sustainable Cooling for Low Energy Office Buildings in Continental Temperate Climate. Journal of Energy Engineering - ASCE, 2017, 143, .	1.9	14
25	Structural Synthesis of Planar Geared Linkage Mechanisms as Multibody Systems. Mechanisms and Machine Science, 2017, , 99-106.	0.5	1
26	Adaptability of solar energy conversion systems on ships. IOP Conference Series: Materials Science and Engineering, 2016, 147, 012070.	0.6	6
27	Future trends for solar energy useÂin nearly zero energy buildings. , 2016, , 547-569.		5
28	Comparative analysis of the infield response of five types of photovoltaic modules. Renewable Energy, 2016, 95, 178-190.	8.9	29
29	Two degrees of freedom parallel linkageto track solarthermal platforms installed on ships. IOP Conference Series: Materials Science and Engineering, 2016, 147, 012071.	0.6	1
30	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
31	Outdoor simultaneous testing of four types of photovoltaic tracked modules. Journal of Renewable and Sustainable Energy, 2014, 6, .	2.0	7
32	On a New Parallel Tracking System for Accurate Orientation of Concentrated Solar Convertors. Applied Mechanics and Materials, 2014, 658, 105-110.	0.2	1
33	Thermal Load based Adaptive Tracking for Flat Plate Solar Collectors. Energy Procedia, 2014, 48, 1401-1411.	1.8	20
34	Solar Heating & Cooling Energy Mixes to Transform Low Energy Buildings in Nearly Zero Energy Buildings. Energy Procedia, 2014, 48, 924-937.	1.8	33
35	Improving the renewable energy mix in a building toward the nearly zero energy status. Energy and Buildings, 2014, 68, 72-78.	6.7	63
36	Architecturally Integrated Multifunctional Solar-Thermal FaÃ§ades. Springer Proceedings in Energy, 2014, , 47-65.	0.3	3

#	Article	IF	Citations
37	PSEUDO-EQUATORIAL TRACKING OPTIMIZATION FOR SMALL PHOTOVOLTAIC PLATFORMS FROM TORONTO/CANADA. Environmental Engineering and Management Journal, 2011, 10, 1059-1068.	0.6	9
38	ENERGETIC AUTONOMY FOR A SOLAR HOUSE. Environmental Engineering and Management Journal, 2011, 10, 1283-1290.	0.6	14
39	Structural Synthesis of Parallel Linkages by Multibody Systems Method. Applied Mechanics and Materials, 0, 658, 153-158.	0.2	4