

Saulescu Radu

List of Publications by Year in descending order

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docs citations

53
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	A Comparative Performance Analysis of Four Wind Turbines with Counter-Rotating Electric Generators. Applied Sciences (Switzerland), 2022, 12, 4233.	1.3	1
2	A Comparative Performance Analysis of Counter-Rotating Dual-Rotor Wind Turbines with Speed-Adding Increases. Energies, 2021, 14, 2594.	1.6	8
3	Dynamic Analysis of a Single-Rotor Wind Turbine with Counter-Rotating Electric Generator under Variable Wind Speed. Applied Sciences (Switzerland), 2021, 11, 8834.	1.3	2
4	A Generalized Approach to the Steady-State Efficiency Analysis of Torque-Adding Transmissions Used in Renewable Energy Systems. Energies, 2020, 13, 4568.	1.6	8
5	Steady-State Response of a Dual-Rotor Wind Turbine with Counter-Rotating Electric Generator and Planetary Gear Increaser. Mechanisms and Machine Science, 2020, , 106-115.	0.3	2
6	An Algorithm for the Design of a Stand-Alone Hybrid System. Springer Proceedings in Energy, 2020, , 259-266.	0.2	0
7	Efficiency Analysis of a Planetary Speed Increaser for Wind Turbines with Counter-Rotating Versus Fixed-Stator Electric Generator. , 2020, , .		1
8	Kinematic modelling of the tracking system for parabolic trough collector. , 2020, , .		0
9	Design and Simulation of a 1 DOF Planetary Speed Increaser for Counter-Rotating Wind Turbines with Counter-Rotating Electric Generators. Energies, 2019, 12, 1754.	1.6	11
10	Comparative Performance Analysis of Two Chain Planetary Speed Increases for Micro-Hydro/Wind Conversion Systems. , 2019, , .		0
11	Power Flow Modelling in a Planetary Speed Increaser for Wind Turbines with Counter-rotating Electric Generator. Mechanisms and Machine Science, 2019, , 957-966.	0.3	0
12	On the Centrifugal Effect on the Load of Chain and Belt Transmissions. Applied Mechanics and Materials, 2018, 880, 3-8.	0.2	0
13	Geometry of silent chain - involute sprocket. MATEC Web of Conferences, 2018, 184, 02003.	0.1	3
14	Determining the optimal operating parameters of a wind system. MATEC Web of Conferences, 2018, 184, 02005.	0.1	0
15	Conceptual Synthesis of Speed Increases for Wind Turbine Conversion Systems. Energies, 2018, 11, 2257.	1.6	9
16	The influence of profile angle on forces distribution on silent chain transmissions. MATEC Web of Conferences, 2018, 184, 02023.	0.1	1
17	PV-Wind Hybrid System for the Energy Supply of an Off-Grid Application. Springer Proceedings in Energy, 2018, , 443-459.	0.2	1
18	Geometry of silent chain - involute sprocket. Annals of the Oradea University: Fascicle Management and Technological Engineering, 2018, Volume XXVII (XVII), 2018/1, .	0.1	0

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19	The influence of profile angle on forces distribution on silent chain transmissions. Annals of the Oradea University: Fascicle Management and Technological Engineering, 2018, Volume XXVII (XVII), 2018/2, .	0.1	0
20	Determining the optimal operating parameters of a wind system. Annals of the Oradea University: Fascicle Management and Technological Engineering, 2018, Volume XXVII (XVII), 2018/2, .	0.1	0
21	INFLUENCE OF PROFILE ANGLE ON FORCES DISTRIBUTION ON SILENT CHAIN TRANSMISSIONS. Annals of the Oradea University: Fascicle Management and Technological Engineering, 2017, Volume XXVI (XVI), 2017/1, .	0.1	1
22	Structural and Kinematic Features of a 2 DOF Speed Increaser for Renewable Energy Systems. Applied Mechanics and Materials, 2016, 823, 367-372.	0.2	9
23	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.	3.0	49
24	Low Speed Linear Actuator for Accurate Orientation of Concentrated Solar Convertors. Applied Mechanics and Materials, 2014, 658, 99-104.	0.2	0
25	Wind Potential Analysis in Brasov Built Environment. Applied Mechanics and Materials, 2014, 659, 337-342.	0.2	3
26	Low-Speed Actuator Used in Solar Tracking Systems. Mechanisms and Machine Science, 2014, , 381-389.	0.3	1
27	Chain Tracking System for Solar Thermal Collector. Applied Mechanics and Materials, 2014, 658, 35-40.	0.2	4
28	Assessment of Wind Energy Resources in Communities. Case Study: Brasov, Romania. Springer Proceedings in Energy, 2014, , 151-166.	0.2	0
29	On the Efficiency of a Planetary Speed Increaser Usable in Small Hydros. Mechanisms and Machine Science, 2013, , 259-268.	0.3	1
30	INNOVATIVE PLANETARY TRANSMISSION USABLE IN RES. Annals of the Oradea University: Fascicle Management and Technological Engineering, 2012, XXI (XI), 2012/2, .	0.1	1
31	SOLUTIONS TO OPTIMIZE TRANSMISSION CHAINS CHARACTERISTICS. Annals of the Oradea University: Fascicle Management and Technological Engineering, 2012, XXI (XI), 2012/2, .	0.1	0
32	On the Use of 2 DOF Planetary Gears as "Speed Increasers" in Small Hydros and Wind Turbines. , 2011, , .		7
33	SPECIFIC FEATURES OF A COUNTER-ROTATING TRANSMISSION FOR RENEWABLE ENERGY SYSTEMS. Environmental Engineering and Management Journal, 2011, 10, 1105-1113.	0.2	12
34	Conversion Analysis of a Planetary Chain-Set Speed Reducer into a Speed Increaser to Be used in RES. Renewable Energy and Power Quality Journal, 2010, 1, 270-273.	0.2	2
35	Conceptual Design of a Chain Speed Increaser for Small Hydropower Stations. , 2009, , .		8
36	The Synthesis of a Linkage with Linear Actuator for Solar Tracking with Large Angular Stroke. , 2009, , 447-454.		8

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37	THE ECO-IMPACT OF SMALL HYDRO IMPLEMENTATION. Environmental Engineering and Management Journal, 2009, 8, 837-841.	0.2	8
38	Speed multipliers for renewable energy systems-hydro and wind. Renewable Energy and Power Quality Journal, 2008, 1, 650-653.	0.2	7
39	On the dependence between the step orientation and the received direct solar radiance of a PV panel. Part II: the pseudo-equatorial orientation. Renewable Energy and Power Quality Journal, 2008, 1, 413-418.	0.2	0
40	On the Accuracy of a Stewart Platform: Modelling and Experimental Validation. , 0, , .		0
41	On New High Performance Systems with Linear Actuators for Diurnal Orientation of PV Platforms. Applied Mechanics and Materials, 0, 162, 214-223.	0.2	3
42	Bearing Friction Vs. Chain Friction for Chain Drives. Advanced Materials Research, 0, 753-755, 1110-1113.	0.3	2
43	Kinematic Modelling and VR Simulation of a 3DOF Medical Parallel Robot with One Decoupled Motion. Advanced Materials Research, 0, 837, 567-572.	0.3	0
44	Dynamic Modelling of a 3DOF Medical Parallel Robot with One Decoupled Motion. Advanced Materials Research, 0, 837, 594-599.	0.3	1
45	Planetary Gear for Counter-Rotating Wind Turbines. Applied Mechanics and Materials, 0, 658, 135-140.	0.2	18
46	On a New Chain Planetary Transmission for Renewable Energy Systems - Part II: Virtual Prototyping and Experimental Testing. Applied Mechanics and Materials, 0, 760, 153-158.	0.2	2
47	On a New Chain Planetary Transmission for Renewable Energy Systems - Part I: Product Design. Applied Mechanics and Materials, 0, 760, 147-152.	0.2	1
48	Comparative Analysis of Two Wind Turbines with Planetary Speed Increaser in Steady-State. Applied Mechanics and Materials, 0, 823, 355-360.	0.2	16
49	The Influence of the Bush-Bushes Pocket Geometry on the Bush Contact Angle. Applied Mechanics and Materials, 0, 880, 15-20.	0.2	1
50	Sprocket - Silent Chain Force Distribution with the Influence of Friction. Applied Mechanics and Materials, 0, 880, 21-26.	0.2	2