

Saulescu Radu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9339057/publications.pdf>

Version: 2024-02-01

50
papers

218
citations

1306789

7
h-index

1281420

11
g-index

53
all docs

53
docs citations

53
times ranked

102
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | Planetary Gear for Counter-Rotating Wind Turbines. Applied Mechanics and Materials, 0, 658, 135-140. | 0.2 | 18 |
| 3 | Comparative Analysis of Two Wind Turbines with Planetary Speed Increaser in Steady-State. Applied Mechanics and Materials, 0, 823, 355-360. | 0.2 | 16 |
| 4 | SPECIFIC FEATURES OF A COUNTER-ROTATING TRANSMISSION FOR RENEWABLE ENERGY SYSTEMS. Environmental Engineering and Management Journal, 2011, 10, 1105-1113. | 0.2 | 12 |
| 5 | 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 |
| 6 | 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 |
| 7 | Conceptual Synthesis of Speed Increasers for Wind Turbine Conversion Systems. Energies, 2018, 11, 2257. | 1.6 | 9 |
| 8 | Conceptual Design of a Chain Speed Increaser for Small Hydropower Stations. , 2009, , . | | 8 |
| 9 | 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 |
| 10 | A Comparative Performance Analysis of Counter-Rotating Dual-Rotor Wind Turbines with Speed-Adding Increasers. Energies, 2021, 14, 2594. | 1.6 | 8 |
| 11 | The Synthesis of a Linkage with Linear Actuator for Solar Tracking with Large Angular Stroke. , 2009, , 447-454. | | 8 |
| 12 | THE ECO-IMPACT OF SMALL HYDRO IMPLEMENTATION. Environmental Engineering and Management Journal, 2009, 8, 837-841. | 0.2 | 8 |
| 13 | On the Use of 2 DOF Planetary Gears as "Speed Increasers" in Small Hydros and Wind Turbines. , 2011, , . | | 7 |
| 14 | Speed multipliers for renewable energy systems-hydro and wind. Renewable Energy and Power Quality Journal, 2008, 1, 650-653. | 0.2 | 7 |
| 15 | Chain Tracking System for Solar Thermal Collector. Applied Mechanics and Materials, 2014, 658, 35-40. | 0.2 | 4 |
| 16 | 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 |
| 17 | Wind Potential Analysis in Brasov Built Environment. Applied Mechanics and Materials, 2014, 659, 337-342. | 0.2 | 3 |
| 18 | Geometry of silent chain - involute sprocket. MATEC Web of Conferences, 2018, 184, 02003. | 0.1 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Bearing Friction Vs. Chain Friction for Chain Drives. <i>Advanced Materials Research</i> , 0, 753-755, 1110-1113. | 0.3 | 2 |
| 20 | On a New Chain Planetary Transmission for Renewable Energy Systems - Part II: Virtual Prototyping and Experimental Testing. <i>Applied Mechanics and Materials</i> , 0, 760, 153-158. | 0.2 | 2 |
| 21 | Sprocket - Silent Chain Force Distribution with the Influence of Friction. <i>Applied Mechanics and Materials</i> , 0, 880, 21-26. | 0.2 | 2 |
| 22 | Dynamic Analysis of a Single-Rotor Wind Turbine with Counter-Rotating Electric Generator under Variable Wind Speed. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8834. | 1.3 | 2 |
| 23 | Steady-State Response of a Dual-Rotor Wind Turbine with Counter-Rotating Electric Generator and Planetary Gear Increaser. <i>Mechanisms and Machine Science</i> , 2020, , 106-115. | 0.3 | 2 |
| 24 | Conversion Analysis of a Planetary Chain-Set Speed Reducer into a Speed Increaser to Be used in RES. <i>Renewable Energy and Power Quality Journal</i> , 2010, 1, 270-273. | 0.2 | 2 |
| 25 | Dynamic Modelling of a 3DOF Medical Parallel Robot with One Decoupled Motion. <i>Advanced Materials Research</i> , 0, 837, 594-599. | 0.3 | 1 |
| 26 | Low-Speed Actuator Used in Solar Tracking Systems. <i>Mechanisms and Machine Science</i> , 2014, , 381-389. | 0.3 | 1 |
| 27 | On a New Chain Planetary Transmission for Renewable Energy Systems - Part I: Product Design. <i>Applied Mechanics and Materials</i> , 0, 760, 147-152. | 0.2 | 1 |
| 28 | The Influence of the Bush-Bushes Pocket Geometry on the Bush Contact Angle. <i>Applied Mechanics and Materials</i> , 0, 880, 15-20. | 0.2 | 1 |
| 29 | The influence of profile angle on forces distribution on silent chain transmissions. <i>MATEC Web of Conferences</i> , 2018, 184, 02023. | 0.1 | 1 |
| 30 | On the Efficiency of a Planetary Speed Increaser Usable in Small Hydros. <i>Mechanisms and Machine Science</i> , 2013, , 259-268. | 0.3 | 1 |
| 31 | INFLUENCE OF PROFILE ANGLE ON FORCES DISTRIBUTION ON SILENT CHAIN TRANSMISSIONS. <i>Annals of the Oradea University: Fascicle Management and Technological Engineering</i> , 2017, Volume XXVI (XVI), 2017/1, . | 0.1 | 1 |
| 32 | INNOVATIVE PLANETARY TRANSMISSION USABLE IN RES. <i>Annals of the Oradea University: Fascicle Management and Technological Engineering</i> , 2012, XXI (XI), 2012/2, . | 0.1 | 1 |
| 33 | PV-Wind Hybrid System for the Energy Supply of an Off-Grid Application. <i>Springer Proceedings in Energy</i> , 2018, , 443-459. | 0.2 | 1 |
| 34 | Efficiency Analysis of a Planetary Speed Increaser for Wind Turbines with Counter-Rotating Versus Fixed-Stator Electric Generator. , 2020, , . | | 1 |
| 35 | A Comparative Performance Analysis of Four Wind Turbines with Counter-Rotating Electric Generators. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4233. | 1.3 | 1 |
| 36 | On the Accuracy of a Stewart Platform: Modelling and Experimental Validation. , 0, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | 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 |
| 38 | Low Speed Linear Actuator for Accurate Orientation of Concentrated Solar Convertors. Applied Mechanics and Materials, 2014, 658, 99-104. | 0.2 | 0 |
| 39 | Assessment of Wind Energy Resources in Communities. Case Study: Brasov, Romania. Springer Proceedings in Energy, 2014, , 151-166. | 0.2 | 0 |
| 40 | On the Centrifugal Effect on the Load of Chain and Belt Transmissions. Applied Mechanics and Materials, 2018, 880, 3-8. | 0.2 | 0 |
| 41 | Determining the optimal operating parameters of a wind system. MATEC Web of Conferences, 2018, 184, 02005. | 0.1 | 0 |
| 42 | Comparative Performance Analysis of Two Chain Planetary Speed Increaseers for Micro-Hydro/Wind Conversion Systems. , 2019, , . | | 0 |
| 43 | 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 |
| 44 | SOLUTIONS TO OPTIMIZE TRANSMISSION CHAINS CHARACTERISTICS. Annals of the Oradea University: Fascicle Management and Technological Engineering, 2012, XXI (XI), 2012/2, . | 0.1 | 0 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | Power Flow Modelling in a Planetary Speed Inreaser for Wind Turbines with Counter-rotating Electric Generator. Mechanisms and Machine Science, 2019, , 957-966. | 0.3 | 0 |
| 49 | An Algorithm for the Design of a Stand-Alone Hybrid System. Springer Proceedings in Energy, 2020, , 259-266. | 0.2 | 0 |
| 50 | Kinematic modelling of the tracking system for parabolic trough collector. , 2020, , . | | 0 |