

Dominik Rybarczyk

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Analysis of Triboelectrostatic Separation Process of Mixed Poly(ethylene terephthalate) and High-Density Polyethylene. <i>Energies</i> , 2022, 15, 19.	3.1	2
2	The Use of a Model-Based Controller for Dynamics Improvement of the Hydraulic Drive with Proportional Valve and Synchronous Motor. <i>Energies</i> , 2022, 15, 3111.	3.1	4
3	Concept and Design of the Test Bench for Electrostatic Separation in Plastic Recycling Application. <i>MATEC Web of Conferences</i> , 2022, 357, 04005.	0.2	0
4	Application of the MEMS Accelerometer as the Position Sensor in Linear Electrohydraulic Drive. <i>Sensors</i> , 2021, 21, 1479.	3.8	11
5	Tribo-Electrostatic Separation Analysis of a Beneficial Solution in the Recycling of Mixed Poly(Ethylene Terephthalate) and High-Density Polyethylene. <i>Energies</i> , 2021, 14, 1755.	3.1	10
6	The Impact of the Human Body Position Changes During Wheelchair Propelling on Motion Resistance Force: A Preliminary Study. <i>Journal of Biomechanical Engineering</i> , 2021, 143, .	1.3	6
7	Rheological and single screw extrusion processability studies of isotactic polypropylene composites filled with basalt powder. <i>Polymer Testing</i> , 2020, 91, 106768.	4.8	10
8	Electrohydraulic Drive with a Flow Valve Controlled by a Permanent Magnet Synchronous Motor. <i>Transactions of Famena</i> , 2020, 44, 31-44.	0.6	4
9	Evaluation of the Biomechanical Parameters of Human-Wheelchair Systems during Ramp Climbing with the Use of a Manual Wheelchair with Anti-Rollback Devices. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8757.	2.5	14
10	Assessment of the Electrostatic Separation Effectiveness of Plastic Waste Using a Vision System. <i>Sensors</i> , 2020, 20, 7201.	3.8	13
11	Impact of a Hybrid Assisted Wheelchair Propulsion System on Motion Kinematics during Climbing up a Slope. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1025.	2.5	31
12	The Gas Fire Temperature Measurement for Detection of an Object's Presence on Top of the Burner. <i>Sensors</i> , 2020, 20, 2139.	3.8	3
13	Concept and modelling of the electrohydraulic valve with DC and stepper motors. <i>MATEC Web of Conferences</i> , 2019, 252, 06003.	0.2	1
14	Artificial Hand Controlled by a Glove with a Force Feedback. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 444-455.	0.4	1
15	Investigations of applications of smart materials and methods in fluid valves and drives. <i>Journal of Machine Engineering</i> , 2019, 19, 122-134.	1.8	1
16	Investigations of Electronic Controller for Electrohydraulic Valve with DC and Stepper Motor. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 189-200.	0.4	0
17	Investigation of electrohydraulic valve with the stepper motor. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
18	Design and control of a holonomic robot that balances on single spherical wheel. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0

#	ARTICLE	IF	CITATIONS
19	Development of Force Feedback Controller For the Loader Crane. Lecture Notes in Mechanical Engineering, 2018, , 345-354.	0.4	5
20	Development of a Speech System Using BCI Based on ERD/ERS for Patients Suffering from Amyotrophic Lateral Sclerosis. Lecture Notes in Mechanical Engineering, 2018, , 279-288.	0.4	0
21	The Design and Application of Wireless 3D Tool for Offline Programming of Soldering Robot. Advances in Intelligent Systems and Computing, 2018, , 453-461.	0.6	1
22	Use of Delta Robot as an Active Touch Device in Immersive Case Scenarios. Procedia Computer Science, 2017, 104, 485-492.	2.0	3
23	Research on possibilities of transporter movement using brain-computer interface based on Steady-State Visually Evoked Potential (SSVEP). , 2017, , .		0
24	Research on Concentration Levels Depending on the Color and Blinking Frequency of the Marker Using Multiple EEG Channel. Advances in Intelligent Systems and Computing, 2017, , 433-440.	0.6	1
25	Dynamic Model and Simulation of Electro-Hydraulic Proportional Valve. Advances in Intelligent Systems and Computing, 2017, , 99-107.	0.6	2
26	Development of Low Cost Speech System for Patient Suffer on the Amyotrophic Lateral Sclerosis. Advances in Intelligent Systems and Computing, 2017, , 441-449.	0.6	1
27	Development of Electronic Controller for Haptic Joystick and Electrohydraulic Drive. Advances in Intelligent Systems and Computing, 2017, , 67-75.	0.6	0
28	Controlling the Direction of Rotation of the Motor Using Brain Waves via Ethernet POWERLINK Protocol. Advances in Intelligent Systems and Computing, 2016, , 81-88.	0.6	1
29	Control of an Electro-Hydraulic Manipulator by Vision System Using Central Point of a Marker Estimated via Kalman Filter. Advances in Intelligent Systems and Computing, 2016, , 587-596.	0.6	3
30	Design of Control System for an Electrohydraulic Drive Based on the Valve with PMSM Motor. Advances in Intelligent Systems and Computing, 2016, , 63-71.	0.6	2
31	Concept and Design of New Type Valve with Helix Type Spool. Advances in Intelligent Systems and Computing, 2016, , 215-222.	0.6	1
32	Modelling of Electrohydraulic Drive with a Valve Controlled by Synchronous Motor. Advances in Intelligent Systems and Computing, 2015, , 215-222.	0.6	8
33	Modelling of an Electrohydraulic Proportional Valve with a Synchronous Motor. Strojnicki Vestnik/Journal of Mechanical Engineering, 2015, 61, 517-522.	1.1	11
34	The High-Resolution Camera in Estimation of the Position of the Hydraulic Valve Spool. Advances in Intelligent Systems and Computing, 2014, , 623-630.	0.6	2
35	Application of the MFC Method in Electrohydraulic Servo Drive with a Valve Controlled by Synchronous Motor. Advances in Intelligent Systems and Computing, 2014, , 167-174.	0.6	1
36	Modeling and Control of Proportional Valve with Synchronous Motor. Solid State Phenomena, 0, 220-221, 457-462.	0.3	4

#	ARTICLE	IF	CITATIONS
37	Application of an Artificial Neural Network for Planning the Trajectory of a Mobile Robot. Journal of Automation, Mobile Robotics and Intelligent Systems, 0, , 13-23.	0.4	0