

# Dominik Rybarczyk

## List of Publications by Year in descending order

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37  
papers

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citations

1163117

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1281871

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41  
docs citations

41  
times ranked

147  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of a Hybrid Assisted Wheelchair Propulsion System on Motion Kinematics during Climbing up a Slope. Applied Sciences (Switzerland), 2020, 10, 1025.	2.5	31
2	Evaluation of the Biomechanical Parameters of Human-Wheelchair Systems during Ramp Climbing with the Use of a Manual Wheelchair with Anti-Rollback Devices. Applied Sciences (Switzerland), 2020, 10, 8757.	2.5	14
3	Assessment of the Electrostatic Separation Effectiveness of Plastic Waste Using a Vision System. Sensors, 2020, 20, 7201.	3.8	13
4	Application of the MEMS Accelerometer as the Position Sensor in Linear Electrohydraulic Drive. Sensors, 2021, 21, 1479.	3.8	11
5	Modelling of an Electrohydraulic Proportional Valve with a Synchronous Motor. Strojnicki Vestnik/Journal of Mechanical Engineering, 2015, 61, 517-522.	1.1	11
6	Rheological and single screw extrusion processability studies of isotactic polypropylene composites filled with basalt powder. Polymer Testing, 2020, 91, 106768.	4.8	10
7	Tribo-Electrostatic Separation Analysis of a Beneficial Solution in the Recycling of Mixed Poly(Ethylene Terephthalate) and High-Density Polyethylene. Energies, 2021, 14, 1755.	3.1	10
8	Modelling of Electrohydraulic Drive with a Valve Controlled by Synchronous Motor. Advances in Intelligent Systems and Computing, 2015, , 215-222.	0.6	8
9	The Impact of the Human Body Position Changes During Wheelchair Propelling on Motion Resistance Force: A Preliminary Study. Journal of Biomechanical Engineering, 2021, 143, .	1.3	6
10	Development of Force Feedback Controller For the Loader Crane. Lecture Notes in Mechanical Engineering, 2018, , 345-354.	0.4	5
11	Modeling and Control of Proportional Valve with Synchronous Motor. Solid State Phenomena, 0, 220-221, 457-462.	0.3	4
12	Electrohydraulic Drive with a Flow Valve Controlled by a Permanent Magnet Synchronous Motor. Transactions of Famena, 2020, 44, 31-44.	0.6	4
13	The Use of a Model-Based Controller for Dynamics Improvement of the Hydraulic Drive with Proportional Valve and Synchronous Motor. Energies, 2022, 15, 3111.	3.1	4
14	Use of Delta Robot as an Active Touch Device in Immersive Case Scenarios. Procedia Computer Science, 2017, 104, 485-492.	2.0	3
15	The Gas Fire Temperature Measurement for Detection of an Object's Presence on Top of the Burner. Sensors, 2020, 20, 2139.	3.8	3
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Dynamic Model and Simulation of Electro-Hydraulic Proportional Valve. Advances in Intelligent Systems and Computing, 2017, , 99-107.	0.6	2
20	Analysis of Triboelectrostatic Separation Process of Mixed Poly(ethylene terephthalate) and High-Density Polyethylene. Energies, 2022, 15, 19.	3.1	2
21	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
22	Investigation of electrohydraulic valve with the stepper motor. AIP Conference Proceedings, 2018, , .	0.4	1
23	Concept and modelling of the electrohydraulic valve with DC and stepper motors. MATEC Web of Conferences, 2019, 252, 06003.	0.2	1
24	Artificial Hand Controlled by a Glove with a Force Feedback. Lecture Notes in Mechanical Engineering, 2019, , 444-455.	0.4	1
25	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
26	Investigations of applications of smart materials and methods in fluid valves and drives. Journal of Machine Engineering, 2019, 19, 122-134.	1.8	1
27	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
28	Concept and Design of New Type Valve with Helix Type Spool. Advances in Intelligent Systems and Computing, 2016, , 215-222.	0.6	1
29	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
30	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
31	Research on possibilities of transporter movement using brain-computer interface based on Steady-State Visually Evoked Potential (SSVEP). , 2017, , .		0
32	Design and control of a holonomic robot that balances on single spherical wheel. AIP Conference Proceedings, 2018, , .	0.4	0
33	Development of Electronic Controller for Haptic Joystick and Electrohydraulic Drive. Advances in Intelligent Systems and Computing, 2017, , 67-75.	0.6	0
34	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
35	Investigations of Electronic Controller for Electrohydraulic Valve with DC and Stepper Motor. Lecture Notes in Mechanical Engineering, 2019, , 189-200.	0.4	0
36	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

#	ARTICLE	IF	CITATIONS
37	Concept and Design of the Test Bench for Electrostatic Separation in Plastic Recycling Application. MATEC Web of Conferences, 2022, 357, 04005.	0.2	0