Cezary Jedryczka

List of Publications by Year
in descending order

46 papers	330 citations	840119 11 h-index	940134 16 g-index
48 all docs	48 docs citations	48 times ranked	198 citing authors

#	Article	IF	Citations
1	Analysis of Triboelectrostatic Separation Process of Mixed Poly(ethylene terephthalate) and High-Density Polyethylene. Energies, 2022, 15, 19.	1.6	2
2	Finite element analysis and experimental verification of high reliability synchronous reluctance machine. Eksploatacja I Niezawodnosc, 2022, 24, 386-393.	1.1	0
3	Concept and Design of the Test Bench for Electrostatic Separation in Plastic Recycling Application. MATEC Web of Conferences, 2022, 357, 04005.	0.1	0
4	Simulation and Experimental Investigation of a Two-Stage Magnetic Precession Gear. Energies, 2021, 14, 1838.	1.6	1
5	Tribo-Electrostatic Separation Analysis of a Beneficial Solution in the Recycling of Mixed Poly(Ethylene Terephthalate) and High-Density Polyethylene. Energies, 2021, 14, 1755.	1.6	10
6	Finite Element Analysis of Magnetic Field Exciter for Direct Testing of Magnetocaloric Materialsâ€™ Properties. Energies, 2021, 14, 2792.	1.6	2
7	Investigation of Thermoplastic Polyurethane Finger Cushion with Magnetorheological Fluid for Soft-Rigid Gripper. Energies, 2021, 14, 6541.	1.6	9
8	Recycling of Plastics from Cable Waste from Automotive Industry in Poland as an Approach to the Circular Economy. Polymers, 2021, 13, 3845.	2.0	12
9	Application of evolution strategy to determine parameters of the multi-branch Foster and Cauer equivalent circuit of system with eddy-currents. International Journal of Applied Electromagnetics and Mechanics, 2020, , 1-11.	0.3	0
10	Assessment of the Electrostatic Separation Effectiveness of Plastic Waste Using a Vision System. Sensors, 2020, 20, 7201.	2.1	13
11	Torque Ripple Minimization of the Permanent Magnet Synchronous Machine by Modulation of the Phase Currents. Sensors, 2020, 20, 2406.	2.1	11
12	Application of Multi-Branch Cauer Circuits in the Analysis of Electromagnetic Transducers Used in Wireless Transfer Power Systems. Sensors, 2020, 20, 2052.	2.1	1
13	Torque ripple minimization by current harmonic injection in permanent magnet synchronous machine. , 2019, , .		0
14	Analysis and experimental verification of dual star permanent magnet synchronous motor with rotor back iron made of soft magnetic composite. Przeglad Elektrotechniczny, 2019, 1, 14-19.	0.1	0
15	Methodology for Cage Shape Optimization of a Permanent Magnet Synchronous Motor Under Line Start Conditions. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	36
16	Active and reactive power regulation in doubly fed asynchronous generator. ITM Web of Conferences, 2018, 19, 01022.	0.4	0
17	Analysis and Experimental Verification of Six-Phase Permanent Magnet Synchronous Machine Performance. , 2018, , .		2
18	Analysis of electromagnetic phenomena in modulated flux synchronous generator. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2018, 37, 1862-1869.	0.5	1

#	Article	IF	Citations
19	Influence of the shape of squirrel-cage bars on the dimensions of permanent magnets in an optimized line-start permanent magnet synchronous motor. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2017, 36, 298-308.	0.5	15
20	Comparative analysis of the three- and six-phase fractional slot concentrated winding permanent magnet machines. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2017, 36, 811-823.	0.5	7
21	Generator with modulated magnetic flux for wind turbines. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2017, 65, 469-478.	0.8	5
22	Influence of magnet and cage shape on properties of the line start synchronous motor with powder hybrid rotor. , 2017, , .		5
23	Influence of temperature on partial demagnetization of the permanent magnets during starting process of line start permanent magnet synchronous motor. , 2017, , .		12
24	Analysis of the multi-drive powered permanent magnet synchronous motor under drive fault conditions. , 2017, , .		1
25	Analysis of electromagnetic phenomena in the two-winding permanent magnet synchronous generator. , 2017, , .		0
26	Description of the windings of the electromagnetic energy converters using the modified T<inf>0</inf> method. , 2017, , .		1
27	A comparative analysis between classical and modified approach of description of the electrical machine windings by means of T0 method. Open Physics, 2017, 15, 918-923.	0.8	2
28	Multiphase permanent magnet synchronous motors with fractional slot windings. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2016, 35, 1937-1948.	0.5	12
29	Analysis of 6-pole IPM synchronous motor with tangential magnets using finite element method. Przeglad Elektrotechniczny, 2016, 1, 36-39.	0.1	3
30	Influence of squirrel cage geometry on the synchronisation of the line start permanent magnet synchronous motor. IET Science, Measurement and Technology, 2015, 9, 197-203.	0.9	23
31	Optimization of the rotor geometry of the line-start permanent magnet synchronous motor by the use of particle swarm optimization. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2015, 34, 882-892.	0.5	15
32	Strategies for twoâ€dimensional and threeâ€dimensional field computation in the design of permanent magnet motors. IET Science, Measurement and Technology, 2015, 9, 224-233.	0.9	7
33	Decomposition of the compromise objective function in the permanent magnet synchronous motor optimization. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2015, 34, 496-504.	0.5	13
34	The analysis of stray losses in tape wound concentrated windings of the permanent magnet synchronous motor. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2015, 34, 766-777.	0.5	6
35	Finite element analysis of the asynchronous torque in LSPMSM with non-symmetrical squirrel cage winding. International Journal of Applied Electromagnetics and Mechanics, 2014, 46, 367-373.	0.3	15
36	The influence of squirrel cage geometry on synchronization of line start permanent magnet synchronous motor. , 2014, , .		3

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37	Strategies for 2D and 3D field computation in the design of permanent magnet motors. , 2014, , .		1
38	FE analysis of magnetorheological brake with hybrid excitation. , 2013, , .		3
39	Analysis of high speed permanent magnet motor with powder core material. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2012, 31, 1528-1540.	0.5	28
40	High speed permanent magnet motor with powder magnetic core. , 2012, , .		2
41	DESCRIPTION OF MULTIPLY CONNECTED REGIONS WITH INDUCED CURRENTS USING <I>T</I>-<I>T</I>₀ METHOD. Progress in Electromagnetics Research B, 2012, 43, 279-294.	0.7	5
42	FE analysis of coupled phenomena in actuators with magnetorheological fluids. , 2011, , .		0
43	The influence of magnetic hysteresis on magnetorheological fluid clutch operation. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2009, 28, 711-721.	0.5	34
44	Simulation and investigation of magnetorheological fluid brake. , 2008, , .		2
45	3D Edge Element Calculations of Electrical Motor with Double Cylindrical Rotor. Studies in Computational Intelligence, 2008, , 147-153.	0.7	1
46	FE analysis of electromagnetic field coupled with fluid dynamics in an MR clutch. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2007, 26, 1028-1036.	0.5	8