

# Piotr Serkies

## List of Publications by Year in descending order

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16  
papers

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1937685

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1872680

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69  
citing authors

#	ARTICLE	IF	CITATIONS
1	Implementation of PI and MPC-Based Speed Controllers for a Drive with Elastic Coupling on a PLC Controller. Electronics (Switzerland), 2021, 10, 3139.	3.1	4
2	Model Predictive Base Direct Speed Control of Induction Motor Drive – Continuous and Finite Set Approaches. Energies, 2020, 13, 1193.	3.1	22
3	Effective damping of the torsional vibrations of the drive system with an elastic joint based on the forced dynamic control algorithms. JVC/Journal of Vibration and Control, 2019, 25, 2225-2236.	2.6	13
4	Continuous and Finite Set Model Predictive Control of Induction Motor Drive. , 2019, , .		6
5	Predictive speed control with fuzzy compensation of a two-mass drive with friction. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2017, 36, 62-77.	0.9	1
6	Predictive Position Control of a Two-Mass System with an Induction Motor in a Wide Range of Speed Changes. Studies in Systems, Decision and Control, 2017, , 53-74.	1.0	0
7	Finite set model predictive speed control of induction motor. , 2017, , .		2
8	Comparison of the control methods of electrical drives with an elastic coupling allowing to limit the torsional torque amplitude. Eksploatacja I Niezawodnosc, 2017, 19, 203-210.	2.0	5
9	Application of moving horizon observer for state estimation in drive system with elastic coupling. , 2015, , .		1
10	Predictive position control of the induction two-mass system drive. , 2014, , .		5
11	Application of the Long-Horizon Predictive Control to the Drive System with Elastic Joint. Studies in Computational Intelligence, 2014, , 249-265.	0.9	1
12	Estimation of the state variables of the two-mass system using fuzzy Kalman filter. , 2013, , .		1
13	Application of the MPC to the robust control of the two-mass drive system. , 2011, , .		7
14	Model predictive speed and vibration control of dual-inertia PMSM Drives. , 2011, , .		7
15	Predictive position control of elastic dual-mass drives under torque and speed constraints. , 2010, , .		6
16	Position tracking in electrical drives with elastic coupling using model predictive control. , 2010, , .		5