

# Rastko FiÅjer

## List of Publications by Year in descending order

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30  
papers

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citations

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docs citations

30  
times ranked

381  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Improved Design of Synthetic Loading Method for a Rapid In-Wheel Motor Characterization in Different Operating Points. IEEE Transactions on Transportation Electrification, 2021, 7, 2562-2575.	7.8	4
2	Energy Efficiency Assessment of Variable Speed Pump Drive in Industrial Cooling System. , 2020, , .		1
3	Induction Motor Broken Rotor Bar Detection Based on Rotor Flux Angle Monitoring. Energies, 2019, 12, 794.	3.1	18
4	Fast and Accurate Model of Interior Permanent-Magnet Machine for Dynamic Characterization. Energies, 2019, 12, 783.	3.1	32
5	Estimation of Induction Motorâ€™s Rotor Time Constants for Diagnostic Purposes. , 2019, , .		0
6	Analysis of Equivalent Inductance of Three-phase Induction Motors in the Switching Frequency Range. Electronics (Switzerland), 2019, 8, 120.	3.1	6
7	Flux Linkages in Squirrel-Cage Motor. , 2015, , .		0
8	Efficient testing of electric drive components on a test bed with energy recuperation. , 2015, , .		1
9	Computations of Magnetic Field Anomalies in Synchronous Generator Due to Rotor Excitation Coil Faults. IEEE Transactions on Magnetics, 2013, 49, 2303-2306.	2.1	13
10	Induction motor parameters in case of rotor electrical asymmetry. , 2013, , .		2
11	Dynamic model of induction machine with faulty rotor in field reference frame. , 2013, , .		3
12	Influence of broken rotor bars on magnetic quantities in induction machine. , 2013, , .		1
13	Assessment of electrical energy production in small hydropower plant with ultra-low head. , 2013, , .		1
14	Cogging torque sensitivity to permanent magnet tolerance combinations. Archiwum Elektrotechniki, 2013, 62, 449-461.	0.5	11
15	Simplified detection of broken rotor bars in induction motors controlled in field reference frame. Control Engineering Practice, 2012, 20, 761-769.	5.5	6
16	Rotor fault diagnosis in induction motors using S-Transform. , 2012, , .		1
17	Estimation of parameters of induction motor with broken rotor bars. , 2011, , .		2
18	Dynamic model of induction machine with faulty cage in rotor reference frame. , 2011, , .		5

#	ARTICLE	IF	CITATIONS
19	Impact of manufacturing imperfections on cogging torque level in PMSM. , 2011, , .		13
20	Novel approach to closed-loop control of wire bending machine. , 2011, , .		3
21	Additional cogging torque components due to asymmetry in stator back iron of PM synchronous motors. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2011, 30, 894-905.	0.9	5
22	Fundamental PMSM model for estimation of cogging torque harmonic components. , 2011, , .		1
23	Native and Additional Cogging Torque Components of PM Synchronous Motors”Evaluation and Reduction. Automatika, 2010, 51, 157-165.	2.0	10
24	Detection of Broken Bars in Induction Motor Through the Analysis of Supply Voltage Modulation. IEEE Transactions on Industrial Electronics, 2010, 57, 2879-2888.	7.9	53
25	Modeling, analysis and detection of rotor field winding faults in synchronous generators. , 2010, , .		10
26	Intensity of the native and additional harmonic components in cogging torque due to design parameters of permanent-magnet motors. , 2009, , .		15
27	Additional Cogging Torque Components in Permanent-Magnet Motors Due to Manufacturing Imperfections. IEEE Transactions on Magnetics, 2009, 45, 1210-1213.	2.1	123
28	Phenomena of additional cogging torque components influenced by stator lamination stacking methods in PM motors. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2009, 28, 682-690.	0.9	9
29	Flux Balance Assurance in Output Transformers of Sine-Wave Inverters Using DC Autonulling Control Principle. , 2006, , .		0
30	Detection of Broken Bars in Induction Motor through the Analysis of Voltage Modulation. , 2006, , .		4