

# Petar R MatiÄ

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

174  
citations

1478505

6  
h-index

1199594

12  
g-index

28  
all docs

28  
docs citations

28  
times ranked

169  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Discrete Rotor Flux and Speed Estimators for High-Speed Shaft-Sensorless IM Drives. IEEE Transactions on Industrial Electronics, 2014, 61, 3099-3108.   | 7.9 | 66        |
| 2  | Thermal Protection of Vector-Controlled IM Drive Based on DC Current Injection. IEEE Transactions on Industrial Electronics, 2015, 62, 2082-2089.   | 7.9 | 32        |
| 3  | Generalized Approach for Fault Detection in Medium Voltage Distribution Networks Based on Magnetic Field Measurement. IEEE Transactions on Power Delivery, 2020, 35, 1189-1199.                 | 4.3 | 12        |
| 4  | Voltage angle direct torque control of induction machine in field-weakening regime. IET Electric Power Applications, 2011, 5, 404.  | 1.8 | 10        |
| 5  | A novel direct torque and flux control algorithm for the induction motor drive. , 0, , .  |     | 8         |
| 6  | Nonregenerative Braking of Permanent Magnet Synchronous Motor. IEEE Transactions on Industrial Electronics, 2020, 67, 8186-8196.  | 7.9 | 8         |
| 7  | Optimal sizing of photovoltaic-wind-diesel-battery power supply for mobile telephony base stations. Energy, 2022, 242, 122545.  | 8.8 | 8         |
| 8  | Minimization of Power Interruption Time in MV Distribution Networks with Fault Locators Based on Optimal Placement of Fault Passage Indicators. , 2018, , .                                     |     | 5         |
| 9  | Speed Regulated Continuous DTC Induction Motor Drive in Field Weakening. Advances in Electrical and Computer Engineering, 2011, 11, 97-102.   | 0.9 | 5         |
| 10 | Simple procedure for self-commissioning of IM drive. , 2018, , .  |     | 3         |
| 11 | Performance Assessment of Fault Locators and Fault Passage Indicators in Distribution Networks by the Non-Sequential Monte Carlo Simulation. , 2018, , .  |     | 2         |
| 12 | A Monte Carlo Simulation Platform for Studying the Behavior of Wind-PV-Diesel-Battery Powered Mobile Telephony Base Stations. , 2020, , .   |     | 2         |
| 13 | Laboratory Setup for Fault Detection on Overhead Power Lines Based on Magnetic Field Measurement. , 2020, , .   |     | 2         |
| 14 | Space vector representation of induction motor model in field weakening regime. Serbian Journal of Electrical Engineering, 2012, 9, 53-61.  | 0.4 | 2         |
| 15 | A Direct Torque Controlled induction motor drive based on control of tangential and radial component of stator flux vector. IEEE Applied Power Electronics Conference and Exposition, 2008, , . | 0.0 | 1         |
| 16 | Induction motor torque control in field weakening regime by voltage angle control. , 2010, , .  |     | 1         |
| 17 | Stator Voltage Vector Direct Torque Control of induction machine. , 2012, , .   |     | 1         |
| 18 | Improved Torque Control of High Speed Shaft-Sensorless Induction Motor Drive. Automatika, 2015, 56, 443-453.  | 2.0 | 1         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Towards an improved energy efficiency of the interior permanent magnet synchronous motor drives. Serbian Journal of Electrical Engineering, 2014, 11, 257-268.                | 0.4 | 1         |
| 20 | An Algorithm for transformer hot spot temperature determining. Przegląd Elektrotechniczny, 2017, 1, 143-147.  | 0.2 | 1         |
| 21 | Non " Regenerative IPMSM Drive Braking Scheme Based on q " Axis Current Component Limiting. Ijeec - International Journal of Electrical Engineering and Computing, 2017, 1, . | 0.1 | 1         |
| 22 | Real-Time Sag Estimation of Overhead Power Lines Based on Approximate Magnetic Field Model. , 2022, , .   |     | 1         |
| 23 | A Normalised Gradient Descent PI Controller For Speed Servomechanism. , 2022, , .   |     | 1         |
| 24 | Performance analysis of control schemes for direct torque control of dual three-phase induction machine. , 2016, , .  |     | 0         |
| 25 | Convergence and stability analysis of IM rotor time constant estimators based on MRAS scheme. , 2017, , .   |     | 0         |
| 26 | Conic Section Representation of Operational Point Trajectories for IM IFOC Drive Under Constraints. , 2020, , .   |     | 0         |
| 27 | Probabilistic Techno-Economic Optimization in Medium Voltage Distribution Networks with Fault Passage Indicators and Fault Locators. Electronics, 2019, 22, 80.               | 0.3 | 0         |
| 28 | Probabilistic Techno-Economic Assessment of Wind-PV-Diesel-Battery Power Supplies for Mobile Telephony Base Stations. , 2020, , .   |     | 0         |