

Piotr Paplicki

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7354939/publications.pdf>

Version: 2024-02-01

32
papers

350
citations

840776

11
h-index

839539

18
g-index

32
all docs

32
docs citations

32
times ranked

160
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Low Cogging Torque Design of Permanent Magnet Machine Using Modified Multi-Level Set Method With Total Variation Regularization. IEEE Transactions on Magnetics, 2014, 50, 657-660. | 2.1 | 41 |
| 2 | Design of Hybrid Excited Synchronous Machine for Electrical Vehicles. IEEE Transactions on Magnetics, 2015, 51, 1-6. | 2.1 | 38 |
| 3 | Design optimization of a permanent-magnet excited synchronous machine for electrical automobiles. International Journal of Applied Electromagnetics and Mechanics, 2012, 39, 889-895. | 0.6 | 35 |
| 4 | Simulation and experimental results of hybrid electric machine with a novel flux control strategy. Archives of Electrical Engineering, 2015, 64, 37-51. | 1.0 | 29 |
| 5 | Topology optimization of rotor poles in a permanent-magnet machine using level set method and continuum design sensitivity analysis. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2014, 33, 711-728. | 0.9 | 23 |
| 6 | Hybrid excited synchronous machine with flux control possibility. International Journal of Applied Electromagnetics and Mechanics, 2016, 52, 1615-1622. | 0.6 | 23 |
| 7 | Minimization of cogging torque in permanent magnet machines using the topological gradient and adjoint sensitivity in multi-objective design. International Journal of Applied Electromagnetics and Mechanics, 2012, 39, 933-940. | 0.6 | 22 |
| 8 | A Hybrid Excited Machine with Flux Barriers and Magnetic Bridges. Energies, 2018, 11, 676. | 3.1 | 20 |
| 9 | Unconventional control system of hybrid excited synchronous machine. , 2015, , . | | 15 |
| 10 | Modern Hybrid Excited Electric Machines. Energies, 2020, 13, 5910. | 3.1 | 15 |
| 11 | Modified concept of axial-flux permanent magnet machine with field weakening capability. Archives of Electrical Engineering, 2014, 63, 177-185. | 1.0 | 14 |
| 12 | Hybrid Excited Synchronous Machine with Wireless Supply Control System. Energies, 2019, 12, 3153. | 3.1 | 14 |
| 13 | A novel rotor design for a hybrid excited synchronous machine. Archives of Electrical Engineering, 2017, 66, 29-40. | 1.0 | 11 |
| 14 | Multi-objective topology optimization of a permanent magnet machine to reduce electromagnetic losses and cogging torque. International Journal of Applied Electromagnetics and Mechanics, 2017, 53, S203-S212. | 0.6 | 7 |
| 15 | The Influence of Permanent Magnet Length and Magnet Type on Flux-control of Axial Flux Hybrid Excited Electrical Machine. , 2018, , . | | 6 |
| 16 | Novel hybrid excited machine with flux barriers in rotor structure. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2018, 37, 1489-1499. | 0.9 | 6 |
| 17 | Influence of Magnet and Flux-Barrier Arrange-ment on Flux Control Characteristics of Hybrid Excited ECPMS-machine. Elektronika Ir Elektrotehnika, 2017, 23, . | 0.8 | 6 |
| 18 | Improved Control System of PM Machine with Extended Field Control Capability for EV Drive. Advances in Intelligent Systems and Computing, 2015, , 125-132. | 0.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Simplified reluctance equivalent circuit for hybrid excited ECPMS-machine modelling. , 2016, , . | | 3 |
| 20 | Impact of rotor design on flux control capability of hybrid excited synchronous machine. , 2016, , . | | 2 |
| 21 | Hybrid excited electric machine with axial flux bridges. International Journal of Applied Electromagnetics and Mechanics, 2019, 59, 703-711. | 0.6 | 2 |
| 22 | Energy Optimal Intelligent Switching Mechanism for Induction Motors with Time Varying Load. IOP Conference Series: Materials Science and Engineering, 2020, 906, 012017. | 0.6 | 2 |
| 23 | Optimization of Electrically Controlled Permanent Magnet Synchronous Machine to Improve Flux Control Range. Elektronika Ir Elektrotechnika, 2014, 20, . | 0.8 | 2 |
| 24 | Performance Evaluation of an Axial Flux Machine with a Hybrid Excitation Design. Energies, 2022, 15, 2733. | 3.1 | 2 |
| 25 | Research of IPM electrical machine with flux barriers. , 2017, , . | | 1 |
| 26 | U-shape flux barriers and axial flux magnetic bridges in rotor of hybrid excited machine. , 2017, , . | | 1 |
| 27 | Influence of Rotor Design on Field Regulation Capability of Hybrid Excited Electric Machines. , 2018, , . | | 1 |
| 28 | Novel Concept of PM Electric Machine with Magnetic Barriers and Excitation Coils in the Rotor. , 2018, , . | | 1 |
| 29 | Hybrid Excited Machine for Electric Vehicles Propulsion. , 2018, , . | | 1 |
| 30 | GENERATOR TARCZOWY Z MAGNESAMI TRWAŁYMI Z ELEKTRYCZNIE KONTROLOWANYM WZBUDZENIEM. Informatyka Automatyka Pomiary W Gospodarce I Ochronie Środowiska, 2020, 10, 65-68. | 0.4 | 1 |
| 31 | Influence of geometry of iron poles on the cogging torque of a field control axial flux permanent magnet machine. International Journal of Applied Electromagnetics and Mechanics, 2022, 69, 179-188. | 0.6 | 1 |
| 32 | A novel rotor design for hybrid excited machine with multi-flux barriers. , 2018, , . | | 0 |