

Kais Atallah

List of Publications by Year in descending order

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times ranked

1536
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Pseudo-Direct-Drive Electrical Machine for a Floating Marine Turbine. IEEE Transactions on Magnetics, 2022, 58, 1-5. | 2.1 | 4 |
| 2 | Magnetically Geared Propulsion Motor for Subsea Remote Operated Vehicle. IEEE Transactions on Magnetics, 2022, 58, 1-5. | 2.1 | 5 |
| 3 | Analytical Modelling and Optimization of Output Voltage Harmonic Spectra of Full-Bridge Modular Multilevel Converters in Boost Mode. IEEE Transactions on Power Electronics, 2022, 37, 3403-3420. | 7.9 | 7 |
| 4 | Evaluation of Simplified Model for Rapid Identification and Control Development of IPM Traction Machines. IEEE Transactions on Transportation Electrification, 2021, 7, 779-792. | 7.8 | 4 |
| 5 | Analysis and Control Development of IPM Traction Machines with Skewed Rotor using Unskewed Machine Model. , 2021, , . | | 0 |
| 6 | Theoretical Harmonic Spectra of PWM Waveforms Including DC Bus Voltage Ripple Application to a Low-Capacitance Modular Multilevel Converter. IEEE Transactions on Power Electronics, 2020, 35, 9291-9305. | 7.9 | 16 |
| 7 | Rapid sizing concept of interior permanent magnet machine for traction applications. Journal of Engineering, 2019, 2019, 3956-3961. | 1.1 | 4 |
| 8 | Impulse Magnetized Magnetic Screws. IEEE Transactions on Magnetics, 2019, 55, 1-4. | 2.1 | 8 |
| 9 | High-Performance Ferrite Permanent Magnet Brushless Machines. IEEE Transactions on Magnetics, 2019, 55, 1-4. | 2.1 | 7 |
| 10 | Comparative Evaluation of Simplified and Complex IPM Machine Models on Control Development for Traction Applications. , 2019, , . | | 1 |
| 11 | Thermal Analysis and Control Development of Interior PM Traction Machines. , 2019, , . | | 3 |
| 12 | Performance of a Hybrid Powertrain Employing a Magnetic Power Split Device. , 2019, , . | | 1 |
| 13 | Magnetically Geared Pseudo Direct Drive for Safety Critical Applications. IEEE Transactions on Industry Applications, 2019, 55, 1239-1249. | 4.9 | 15 |
| 14 | Dual Rotor Magnetically Geared Power Split Device for Hybrid Electric Vehicles. IEEE Transactions on Industry Applications, 2019, 55, 1484-1494. | 4.9 | 24 |
| 15 | “Pseudo” Direct Drive Electrical Machines With Alternative Winding Configurations. IEEE Transactions on Magnetics, 2017, 53, 1-8. | 2.1 | 11 |
| 16 | Rotor Position Estimation of a Pseudo Direct-Drive PM Machine Using Extended Kalman Filter. IEEE Transactions on Industry Applications, 2017, 53, 1088-1095. | 4.9 | 20 |
| 17 | Dual rotor magnetically geared power split device for hybrid electric vehicles. , 2017, , . | | 6 |
| 18 | Magnetically geared pseudo direct drive for safety critical applications. , 2017, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Design considerations of a full bridge modular multilevel converter under variable DC link voltage. , 2017, , . | | 7 |
| 20 | Dynamic behaviour of a multi-MW wind turbine. , 2015, , . | | 6 |
| 21 | Rotor position estimation of a Pseudo Direct Drive PM machine using extended Kalman filter. , 2015, , . | | 4 |
| 22 | Optimisation of magnetic gears for large wind turbines. , 2015, , . | | 7 |
| 23 | Slip Recovery and Prevention in Pseudo Direct Drive Permanent-Magnet Machines. IEEE Transactions on Industry Applications, 2015, 51, 2291-2299. | 4.9 | 20 |
| 24 | Analytical Modeling and Optimization of Pseudo-Direct Drive Permanent Magnet Machines for Large Wind Turbines. IEEE Transactions on Magnetics, 2015, 51, 1-14. | 2.1 | 25 |
| 25 | Influence of Control Structures and Load Parameters on Performance of a Pseudo Direct Drive. Machines, 2014, 2, 158-175. | 2.2 | 10 |
| 26 | Speed Control for a Pseudo Direct Drive Permanent-Magnet Machine With One Position Sensor on Low-Speed Rotor. IEEE Transactions on Industry Applications, 2014, 50, 3825-3833. | 4.9 | 15 |
| 27 | Magnetic Gears for High Torque Applications. IEEE Transactions on Magnetics, 2014, 50, 1-4. | 2.1 | 34 |
| 28 | A rapid concept development technique for electric vehicle powertrains. , 2014, , . | | 6 |
| 29 | Speed control for a Pseudo Direct Drive permanent magnet machine with one position sensor on low-speed rotor. , 2013, , . | | 1 |
| 30 | Trends in Wind Turbine Generator Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2013, 1, 174-185. | 5.4 | 484 |
| 31 | Design and implementation of an observer-based state feedback controller for a pseudo direct drive. IET Electric Power Applications, 2013, 7, 643-653. | 1.8 | 20 |
| 32 | Slip recovery and prevention in Pseudo Direct Drive permanent magnet machines. , 2013, , . | | 1 |
| 33 | Design Optimization of a Surface-Mounted Permanent-Magnet Motor With Concentrated Windings for Electric Vehicle Applications. IEEE Transactions on Vehicular Technology, 2013, 62, 1053-1064. | 6.3 | 151 |
| 34 | Magnetic Gear Pole-Slip Prevention Using Explicit Model Predictive Control. IEEE/ASME Transactions on Mechatronics, 2013, 18, 1535-1543. | 5.8 | 30 |
| 35 | A linear magnetic gear. , 2012, , . | | 13 |
| 36 | A complex frequency domain analysis of a closed loop controlled pseudo direct drive. , 2012, , . | | 7 |

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| 37 | A Rotor With Axially and Circumferentially Magnetized Permanent Magnets. IEEE Transactions on Magnetics, 2012, 48, 3230-3233. | 2.1 | 6 |
| 38 | The effect of Duffing-type non-linearities and Coulomb damping on the response of an energy harvester to random excitations. Journal of Intelligent Material Systems and Structures, 2012, 23, 2039-2054. | 2.5 | 19 |
| 39 | Design and Operation of a Magnetic Continuously Variable Transmission. IEEE Transactions on Industry Applications, 2012, 48, 1288-1295. | 4.9 | 68 |
| 40 | Servo Control of Magnetic Gears. IEEE/ASME Transactions on Mechatronics, 2012, 17, 269-278. | 5.8 | 98 |
| 41 | A Linear Permanent-Magnet Motor for Active Vehicle Suspension. IEEE Transactions on Vehicular Technology, 2011, 60, 55-63. | 6.3 | 102 |
| 42 | Design and Realization of a Linear Magnetic Gear. IEEE Transactions on Magnetics, 2011, 47, 4171-4174. | 2.1 | 68 |
| 43 | Analysis of a Magnetic Screw for High Force Density Linear Electromagnetic Actuators. IEEE Transactions on Magnetics, 2011, 47, 4477-4480. | 2.1 | 107 |
| 44 | A Magnetic Continuously Variable Transmission Device. IEEE Transactions on Magnetics, 2011, 47, 2815-2818. | 2.1 | 46 |
| 45 | A Brushless Permanent Magnet Machine With Integrated Differential. IEEE Transactions on Magnetics, 2011, 47, 4246-4249. | 2.1 | 23 |
| 46 | Effects of load conditions on rotor eddy current loss in modular permanent magnet machines. , 2011, , . | | 2 |
| 47 | Operating strategies for Switched Reluctance generators in exhaust gas energy recovery systems. , 2011, , . | | 4 |
| 48 | Design and operation of a magnetic Continuously Variable Transmission. , 2011, , . | | 8 |
| 49 | Design and optimization of magnetic wheel for wall and ceiling climbing robot. , 2010, , . | | 38 |
| 50 | A Novel Magnetic Harmonic Gear. IEEE Transactions on Industry Applications, 2010, 46, 206-212. | 4.9 | 126 |
| 51 | Design of a linear permanent magnet motor for active vehicle suspension. , 2009, , . | | 16 |
| 52 | Modeling and control of ‘pseudo’ direct-drive brushless permanent magnet machines. , 2009, , . | | 16 |
| 53 | Modular Three-Phase Permanent-Magnet Brushless Machines for In-Wheel Applications. IEEE Transactions on Vehicular Technology, 2008, 57, 2714-2720. | 6.3 | 107 |
| 54 | A new PM machine topology for low-speed, high-torque drives. , 2008, , . | | 28 |

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|----|---|-----|-----------|
| 55 | A Novel "Pseudo"-Direct-Drive Brushless Permanent Magnet Machine. IEEE Transactions on Magnetics, 2008, 44, 4349-4352. | 2.1 | 255 |
| 56 | Design Considerations for Tubular Flux-Switching Permanent Magnet Machines. IEEE Transactions on Magnetics, 2008, 44, 4026-4032. | 2.1 | 96 |
| 57 | Design, analysis and realization of a novel magnetic harmonic gear. , 2008, , . | | 43 |
| 58 | Effect of Axial Segmentation of Permanent Magnets on Rotor Loss in Modular Permanent-Magnet Brushless Machines. IEEE Transactions on Industry Applications, 2007, 43, 1207-1213. | 4.9 | 121 |
| 59 | Thermal Modeling of Flooded Rotor Electrical Machines for Electro-Hydrostatic Actuators. , 2007, , . | | 4 |
| 60 | Performance Comparison and Winding Fault Detection of Duplex 2-Phase and 3-Phase Fault-Tolerant Permanent Magnet Brushless Machines. Conference Record - IAS Annual Meeting (IEEE Industry) Tj ETQq0 0 0 rgBTQ Overlock 180 Tf 50 5 | | |
| 61 | A Novel High-Performance Linear Magnetic Gear. IEEJ Transactions on Industry Applications, 2006, 126, 1352-1356. | 0.2 | 29 |