

Nicola Bianchi

List of Publications by Year in descending order

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342
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times ranked

3160
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| # | ARTICLE | IF | CITATIONS |
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| 1 | Hybrid Excitation PM Synchronous Motors: Part II " Finite Element Analysis. IEEE Transactions on Energy Conversion, 2022, 37, 495-504. | 5.2 | 6 |
| 2 | Hybrid Excitation PM Synchronous Motors: Part I " Per Unit Analysis. IEEE Transactions on Energy Conversion, 2022, 37, 487-494. | 5.2 | 7 |
| 3 | A Vector-Phasor Combined With Superposition Method for Analyzing 3D-Space Topology for Leakage Flux and Losses Suppression of a Generator. IEEE Transactions on Energy Conversion, 2022, 37, 912-920. | 5.2 | 0 |
| 4 | Cage Losses in Induction Motors Considering Harmonics: A New Finite Element Procedure and Comparison With the Time-Domain Approach. IEEE Transactions on Industry Applications, 2022, 58, 1931-1940. | 4.9 | 6 |
| 5 | A computationally efficient surrogate model based robust optimization for permanent magnet synchronous machines. IEEE Transactions on Energy Conversion, 2022, , 1-1. | 5.2 | 5 |
| 6 | Dynamic Performance Enhancement of a Renewable Energy System for Grid Connection and Stand-Alone Operation with Battery Storage. Energies, 2022, 15, 1002. | 3.1 | 10 |
| 7 | Synchronous Reluctance Machines: A Comprehensive Review and Technology Comparison. Proceedings of the IEEE, 2022, 110, 382-399. | 21.3 | 38 |
| 8 | Enhanced Control and Power Management for a Renewable Energy-Based Water Pumping System. IEEE Access, 2022, 10, 36028-36056. | 4.2 | 10 |
| 9 | Improving the Dynamic Performance of a Variable Speed DFIG for Energy Conversion Purposes Using an Effective Control System. Processes, 2022, 10, 456. | 2.8 | 6 |
| 10 | A Permanent Magnet Assembling Approach to Mitigate the Cogging Torque for Permanent Magnet Machines Considering Manufacturing Uncertainties. Energies, 2022, 15, 2154. | 3.1 | 3 |
| 11 | A Review about Flux-Weakening Operating Limits and Control Techniques for Synchronous Motor Drives. Energies, 2022, 15, 1930. | 3.1 | 8 |
| 12 | Comparative Study of Non-Rare-Earth and Rare-Earth PM Motors for EV Applications. Energies, 2022, 15, 2711. | 3.1 | 15 |
| 13 | Different Approaches in the Use of Ferrites in Assisted Reluctance Machines. IEEE Transactions on Industry Applications, 2022, 58, 6136-6144. | 4.9 | 0 |
| 14 | Optimised Design of Permanent Magnet Assisted Synchronous Reluctance Machines for Household Appliances. IEEE Transactions on Energy Conversion, 2021, 36, 3084-3095. | 5.2 | 18 |
| 15 | Hybrid-Excited PM Motor for Electric Vehicle. Energies, 2021, 14, 916. | 3.1 | 8 |
| 16 | A Complete and Fast Analysis Procedure for Three-Phase Induction Motors Using Finite Element, Considering Skewing and Iron Losses. Applied Sciences (Switzerland), 2021, 11, 2428. | 2.5 | 3 |
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| 18 | Comparison of Fault Characteristics According to Winding Configurations for Dual Three-Phase Synchronous Reluctance Motor. IEEE Transactions on Industry Applications, 2021, 57, 2398-2406. | 4.9 | 10 |

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| 22 | Measures and Simulations of Induction Machines Flux Linkage Characteristics Based on Rotor Field Orientation. IEEE Transactions on Industry Applications, 2021, 57, 4686-4693. | 4.9 | 2 |
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| 38 | Measurements and simulation of induction machines flux linkage characteristics adopting rotor field orientation. , 2020, , . | | 3 |
| 39 | Comparison of Dual Three-Phase Synchronous Reluctance Motor under Half-Control Mode according to Winding Configurations. , 2020, , . | | 3 |
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| 45 | High-Speed PM Generators for Organic Rankine Cycle Systems: Reduction of Eddy Current Rotor Losses. IEEE Transactions on Industry Applications, 2019, 55, 5800-5808. | 4.9 | 4 |
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| 98 | Geometry Analysis and Optimization of PM-Assisted Reluctance Motors. IEEE Transactions on Industry Applications, 2017, 53, 4338-4347. | 4.9 | 70 |
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