

Moshe Averbukh

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

523
citations

758635

12
h-index

676716

22
g-index

45
all docs

45
docs citations

45
times ranked

501
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Energy Harvesting and Energy Storage Systems. Electronics (Switzerland), 2022, 11, 984. | 1.8 | 6 |
| 2 | A Novel TSA-PSO Based Hybrid Algorithm for GMPP Tracking under Partial Shading Conditions. Energies, 2022, 15, 3164. | 1.6 | 23 |
| 3 | Improved moth flame optimization algorithm based on opposition-based learning and Lévy flight distribution for parameter estimation of solar module. Energy Reports, 2022, 8, 6576-6592. | 2.5 | 19 |
| 4 | The Effects of Cogging Torque Reduction in Axial Flux Machines. Micromachines, 2021, 12, 323. | 1.4 | 2 |
| 5 | Optimal Selection of Asynchronous Motor-Gearhead Couple Fed by VFD for Electrified Vehicle Propulsion. Energies, 2021, 14, 4346. | 1.6 | 3 |
| 6 | Capacitive reactive power compensation to prevent voltage instabilities in distribution lines. International Journal of Electrical Power and Energy Systems, 2021, 131, 107043. | 3.3 | 13 |
| 7 | An Effective Method for Parameter Estimation of a Solar Cell. Electronics (Switzerland), 2021, 10, 312. | 1.8 | 27 |
| 8 | Opposition-Based Tunicate Swarm Algorithm for Parameter Optimization of Solar Cells. IEEE Access, 2021, 9, 125590-125602. | 2.6 | 29 |
| 9 | Estimation of the Equivalent Circuit Parameters of Induction Motors by Laboratory Test. Machines, 2021, 9, 340. | 1.2 | 3 |
| 10 | Studies on Dynamic Properties of Ultracapacitors Using Infinite π Chain Equivalent Circuit and Reverse Fourier Transform. Energies, 2020, 13, 4583. | 1.6 | 6 |
| 11 | Reactance Regulation Using Coils with Perpendicular Magnetic Field in the Tubular Core design. Applied Sciences (Switzerland), 2020, 10, 7645. | 1.3 | 0 |
| 12 | Disturbance observer based robust voltage control of photovoltaic generator interfaced by current mode buck converter. Energy Conversion and Management, 2020, 209, 112622. | 4.4 | 9 |
| 13 | Simplified algorithm for assessment equivalent circuit parameters of induction motors. IET Electric Power Applications, 2020, 14, 426-432. | 1.1 | 12 |
| 14 | Control the Voltage Instabilities of Distribution Lines using Capacitive Reactive Power. Energies, 2020, 13, 875. | 1.6 | 7 |
| 15 | Hybrid Internal Combustion Engine Based Auxiliary Power Unit. Micromachines, 2020, 11, 438. | 1.4 | 3 |
| 16 | Improved dimensionless nomograms approach in the electric drives and power electronics courses. International Journal of Electrical Engineering and Education, 2019, 56, 38-50. | 0.4 | 7 |
| 17 | Single-Phase Grid-Connected Photovoltaic System with Electronic DC Link. , 2019, , , | | 1 |
| 18 | Comprehensive Study on Dynamic Parameters of Symmetric and Asymmetric Ultracapacitors. Electronics (Switzerland), 2019, 8, 891. | 1.8 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | An Approval of MPPT Based on PV Cell's Simplified Equivalent Circuit During Fast-Shading Conditions. Electronics (Switzerland), 2019, 8, 1060. | 1.8 | 15 |
| 20 | Theoretical Description of Carbon Felt Electrical Properties Affected by Compression. Applied Sciences (Switzerland), 2019, 9, 4030. | 1.3 | 6 |
| 21 | Selecting Ultracapacitors for Smoothing Voltage Deviations in Local Grids Fed by Transformer with Tap-Changer and Distributed PV Facilities. Electronics (Switzerland), 2019, 8, 357. | 1.8 | 4 |
| 22 | Electric power generation using a parallel-plate capacitor. International Journal of Energy Research, 2019, 43, 3905-3913. | 2.2 | 6 |
| 23 | Porous Metal-Oxide Based Electrostatic Energy Generator. , 2019, , . | | 0 |
| 24 | Directivity Enhancement of Tight Couplers. , 2019, , . | | 4 |
| 25 | Linear Approximation of Transient Process in R-C Circuit Fed by Power Source. , 2018, , . | | 0 |
| 26 | Electrification Israel Railroads: Network Frequency Instability and Challenges of Distribution Voltage Control. , 2018, , . | | 0 |
| 27 | Minimization Magnetic Coupling of Perpendicular Coils Winded Inside and Outside Toroidal Core made Thin Magnetic Ribbon. , 2018, , . | | 0 |
| 28 | Preliminary Dynamic Parameters Comparison of Asymmetric (Ultimo CPQ 2300S, JSR Co.) and Double-Layer (BCAP3400, Maxwell Co.) Ultracapacitors. , 2018, , . | | 0 |
| 29 | Electric and Hydraulic Properties of Carbon Felt Immersed in Different Dielectric Liquids. Materials, 2018, 11, 650. | 1.3 | 5 |
| 30 | Average Modeling and Performance Analysis of Voltage Sensorless Active Supercapacitor Balancer With Peak Current Protection. IEEE Transactions on Power Electronics, 2017, 32, 1570-1578. | 5.4 | 26 |
| 31 | Enhancing Low-Throttle-Operation Robustness of ICE-Based APU by Supercapacitor-Realized Virtual Inertia. IEEE Transactions on Sustainable Energy, 2017, 8, 1344-1346. | 5.9 | 3 |
| 32 | Electrolyte Pumping Optimization in Already Manufactured Vanadium Redox Battery Based on Experimentally Determined Electrical and Hydrodynamic Losses. Journal of Energy Engineering - ASCE, 2017, 143, . | 1.0 | 11 |
| 33 | Experimental verification of internal resistance and capacitance of CPQ2300S Li-ion ultracapacitors (JSR Co.). , 2016, , . | | 0 |
| 34 | Dimensionless nomogram approach in the courses of power electronics and electrical drives. , 2016, , . | | 0 |
| 35 | Experimental verification of internal resistance and capacitance of CPQ2300S li-ion ultracapacitors (JSR Co.). , 2016, , . | | 3 |
| 36 | Active voltage sensorless supercapacitor bank balancer with peak current protection. , 2016, , . | | 2 |

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|----|---|-----|-----------|
| 37 | Single-Source Multi-Battery Solar Charger: Analysis and Stability Issues. <i>Energies</i> , 2015, 8, 6427-6450. | 1.6 | 8 |
| 38 | Portable Ultracapacitor-Based Power Source for Emergency Starting of Internal Combustion Engines. <i>IEEE Transactions on Power Electronics</i> , 2015, 30, 4283-4290. | 5.4 | 25 |
| 39 | Synchronous Motor Pull-in Process Analysis. <i>Journal of Circuits, Systems and Computers</i> , 2015, 24, 1550088. | 1.0 | 0 |
| 40 | Optimal control of micro-grid autonomous hybrid power stations based on modeling of stochastic energy consumption. , 2014, , . | | 0 |
| 41 | An improved approach to extract the single-diode equivalent circuit parameters of a photovoltaic cell/panel. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 30, 282-289. | 8.2 | 125 |
| 42 | Issues in Modeling Amorphous Silicon Photovoltaic Modules by Single-Diode Equivalent Circuit. <i>IEEE Transactions on Industrial Electronics</i> , 2014, 61, 6785-6793. | 5.2 | 53 |
| 43 | Dynamics of supercapacitor bank with uncontrolled active balancer for engine starting. <i>Energy Conversion and Management</i> , 2014, 88, 106-112. | 4.4 | 13 |
| 44 | Maximum power point matching versus maximum power point tracking for solar generators. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 19, 11-17. | 8.2 | 22 |
| 45 | Development of a Quick Dynamic Response Maximum Power Point Tracking Algorithm for Off-Grid System With Adaptive Switching (Onâ€œOff) Control of dc/dc Converter. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2013, 135, . | 1.1 | 17 |