

Mustafar Kamal Hamzah

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

172
citations

3311381

1
h-index

3475538

1
g-index

22
all docs

22
docs citations

22
times ranked

87
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Implementation of Single-Phase Matrix Converter as a Direct AC-AC Converter with Commutation Strategies. , 0, , . | | 54 |
| 2 | A New Single-Phase Controlled Rectifier Using Single-Phase Matrix Converter Topology Incorporating Active Power Filter. , 2007, , . | | 22 |
| 3 | Implementation of a new Single-phase Cycloconverter based on Single-phase Matrix Converter Topology using Sinusoidal Pulse Width Modulation with Passive Load Condit. , 2006, , . | | 16 |
| 4 | The designs of low power AC-DC converter for power electronics system applications. , 2012, , . | | 13 |
| 5 | Effect of swarm size parameter on Binary Particle Swarm optimization-based NARX structure selection. , 2012, , . | | 10 |
| 6 | Application of Single Phase Matrix Converter Topology in Uninterruptible Power Supply Circuit incorporating Unity Power Factor Control. , 2006, , . | | 8 |
| 7 | AC-DC Single Phase Matrix Converter with a constant power load (CPL). , 2012, , . | | 5 |
| 8 | Single-phase matrix converter with reduced switch count operating as buck or boost rectifier. , 2012, , . | | 5 |
| 9 | Modeling of electronic transformer design with the implementation of Single-Phase Matrix Converter using MATLAB/Simulink. , 2009, , . | | 4 |
| 10 | Passive damping network for a Single Phase Matrix Converter (SPMC) operating as a rectifier. , 2011, , . | | 4 |
| 11 | A new safe-commutation technique for AC-DC converter operation using single-phase matrix converter. , 2012, , . | | 4 |
| 12 | Safe commutation for an AC-DC single phase matrix converter (SPMC) with combination of LC filter and damping resistor. , 2012, , . | | 4 |
| 13 | CMOS single-stage input-powered bridge rectifier with boost switch and duty cycle control. International Journal of Electronics, 2017, 104, 1008-1019. | 1.4 | 4 |
| 14 | Single-Phase Shunt Active Power Filter Using Boost Rectifier Technique. , 2007, , . | | 3 |
| 15 | Effect of different widths in CMOS rectifier for low voltage and frequency application. , 2012, , . | | 3 |
| 16 | Investigation of different width size of transistor on internal resistance and output power in CMOS rectifier using two PMOS and NMOS. , 2013, , . | | 3 |
| 17 | Hysteresis current control for AC-DC converter using single-phase matrix converter fed permanent magnet motor. , 2014, , . | | 3 |
| 18 | A high power factor bidirectional battery charger using single-phase matrix converter. , 2015, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|----|-----------|
| 19 | Modeling of AC-DC converter using 0.18 μm CMOS technology. , 2012, , . | | 2 |
| 20 | Comparison of the experimental results of a newly developed interfacing method on a Single-phase Matrix Converter employing safe commutation strategy. , 2009, , . | | 1 |
| 21 | MySQL database lookup table for Binary Particle Swarm optimization-based system identification. , 2012, , . | | 1 |
| 22 | Constructing the structure of susceptibility to Alzheimer's disease by using biomarkers & risk factors. , 2009, , . | | 0 |