

Albert Ting Leung Lee

List of Publications by Year in descending order

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24
papers

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citations

933447

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Scalability of Quasi-Hysteretic FSM-Based Digitally Controlled Single-Inductor Dual-String Buck LED Driver to Multiple Strings. IEEE Transactions on Power Electronics, 2014, 29, 501-513. | 7.9 | 78 |
| 2 | Precise Dimming and Color Control of LED Systems Based on Color Mixing. IEEE Transactions on Power Electronics, 2016, 31, 65-80. | 7.9 | 68 |
| 3 | Single-Stage AC/DC Single-Inductor Multiple-Output LED Drivers. IEEE Transactions on Power Electronics, 2016, 31, 5837-5850. | 7.9 | 67 |
| 4 | Plug-and-Play Voltage Ripple Mitigator for DC Links in Hybrid AC-DC Power Grids With Local Bus-Voltage Control. IEEE Transactions on Industrial Electronics, 2018, 65, 687-698. | 7.9 | 51 |
| 5 | InGaN RGB Light-Emitting Diodes With Monolithically Integrated Photodetectors for Stabilizing Color Chromaticity. IEEE Transactions on Industrial Electronics, 2020, 67, 5154-5160. | 7.9 | 29 |
| 6 | A Gallium Nitride (GaN)-Based Single-Inductor Multiple-Output (SIMO) Inverter With Multi-Frequency AC Outputs. IEEE Transactions on Power Electronics, 2019, 34, 10856-10873. | 7.9 | 18 |
| 7 | Low-Power Multichannel Wireless Transmitter. IEEE Transactions on Power Electronics, 2018, 33, 5016-5028. | 7.9 | 16 |
| 8 | Buck-Boost Single-Inductor Multiple-Output High-Frequency Inverters for Medium-Power Wireless Power Transfer. IEEE Transactions on Power Electronics, 2019, 34, 3457-3473. | 7.9 | 16 |
| 9 | A plug-and-play ripple mitigation approach for DC-links in hybrid systems. , 2016, , . | | 15 |
| 10 | Precise Color Control of Red-Green-Blue Light-Emitting Diode Systems. IEEE Transactions on Power Electronics, 2017, 32, 3063-3074. | 7.9 | 13 |
| 11 | New Dynamic Photo-Electro-Thermal Modeling of Light-Emitting Diodes With Phosphor Coating as Light Converter Part I: Theory, Analysis, and Modeling. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 771-779. | 5.4 | 13 |
| 12 | Electrical and Thermal Effects of Light-Emitting Diodes on Signal-to-Noise Ratio in Visible Light Communication. IEEE Transactions on Industrial Electronics, 2019, 66, 2785-2794. | 7.9 | 10 |
| 13 | Dynamic Optical Power Measurements and Modeling of Light-Emitting Diodes Based on a Photodetector System and Photo-Electro-Thermal Theory. IEEE Transactions on Power Electronics, 2019, 34, 10058-10068. | 7.9 | 10 |
| 14 | New Dynamic Photo-Electro-Thermal Modeling of Light-Emitting Diodes With Phosphor Coating as Light Converter Part II: Model Parameter Determination and Practical Verification. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 780-793. | 5.4 | 9 |
| 15 | Adaptive prediction in digitally controlled buck converter with fast load transient response. , 2012, , . | | 8 |
| 16 | Highly Efficient Wireless Power Transfer System With Single-Switch Step-Up Resonant Inverter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1157-1168. | 5.4 | 8 |
| 17 | Single-Inductor Multiple-Output (SIMO) Buck Hybrid Converter for Simultaneous Wireless and Wired Power Transfer. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 2163-2177. | 5.4 | 7 |
| 18 | Precise Luminous Flux and Color Control of Dimmable Red-Green-Blue Light-Emitting Diode Systems. IEEE Transactions on Power Electronics, 2022, 37, 588-606. | 7.9 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Precise and full-range dimming control for an offline single-inductor-multiple-output LED driver. , 2016, , . | | 3 |
| 20 | Power Loss Analysis of a Back-to-Back Switching Single-Inductor Multiple-Output Inverter. , 2019, , . | | 3 |
| 21 | Single-Inductor Multiple-Output Inverter With Precise and Independent Output Voltage Regulation. IEEE Transactions on Power Electronics, 2020, 35, 11222-11234. | 7.9 | 3 |
| 22 | Highly Efficient Single-Switch-Regulated Resonant Wireless Power Receiver With Hybrid Modulation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 3770-3780. | 5.4 | 3 |
| 23 | A Direct AC-AC Single-Inductor Multiple-Output (SIMO) Converter for Multi-Coil Wireless Power Transfer Applications. , 2020, , . | | 2 |
| 24 | Non-linear feedback control of robust bi-color LED lighting. , 2015, , . | | 1 |