

# Yimeng Zhang

## List of Publications by Year in descending order

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11  
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#	ARTICLE	IF	CITATIONS
1	A High-Power LED Driver Based on Single Inductor-Multiple Output DC-DC Converter With High Dimming Frequency and Wide Dimming Range. IEEE Transactions on Power Electronics, 2020, 35, 8501-8511.	7.9	25
2	Thermal stability study of n-type and p-type ohmic contacts simultaneously formed on 4H-SiC. Journal of Alloys and Compounds, 2018, 731, 1267-1274.	5.5	17
3	Ohmic contacts simultaneously formed on n-type and p-type 4H-SiC at low temperature. Journal of Alloys and Compounds, 2019, 805, 999-1003.	5.5	10
4	Gate driver for parallel connection SiC MOSFETs with over-current protection and dynamic current balancing scheme. Journal of Power Electronics, 2020, 20, 319-328.	1.5	10
5	Frequency-Improved 4H-SiC IGBT With Multizone Collector Design. IEEE Transactions on Electron Devices, 2020, 67, 198-203.	3.0	7
6	Bidirectional Bias Response Ultraviolet Phototransistors With 4H-SiC NPN Multi-Layer Structure. IEEE Photonics Technology Letters, 2022, 34, 81-84.	2.5	5
7	High temperature characterization of normally-on 4H-SiC junction field-effect transistor. Superlattices and Microstructures, 2016, 99, 113-117.	3.1	3
8	Influence Mechanism of Barium Interface Layer on the Interfacial Properties of n-Type 4H-SiC Metal-Oxide-Semiconductor Capacitors. Physica Status Solidi (B): Basic Research, 2020, 257, 2000269.	1.5	2
9	Novel modulation method for torque ripple suppression of brushless DC motors based on SIMO DC-DC converter. Journal of Power Electronics, 2020, 20, 720-730.	1.5	2
10	High-speed gate driver circuit of SiC-MOSFET for high temperature application. IET Power Electronics, 2020, 13, 3851-3860.	2.1	2
11	A high-power PCCM LED driver based on GaN eHEMT with hybrid dimming modes. Circuit World, 2022, 48, 251-264.	0.9	0