

# Hongpo Hu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6578160/publications.pdf>

Version: 2024-02-01

9  
papers

451  
citations

1163117  
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1474206  
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docs citations

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times ranked

422  
citing authors

#	ARTICLE	IF	CITATIONS
1	Boosted ultraviolet electroluminescence of InGaN/AlGaIn quantum structures grown on high-index contrast patterned sapphire with silica array. <i>Nano Energy</i> , 2020, 69, 104427.	16.0	150
2	Effects of GaN/AlGaIn/Sputtered AlN nucleation layers on performance of GaN-based ultraviolet light-emitting diodes. <i>Scientific Reports</i> , 2017, 7, 44627.	3.3	92
3	High quality GaN buffer layer by isoelectronic doping and its application to 365nm InGaN/AlGaIn ultraviolet light-emitting diodes. <i>Applied Surface Science</i> , 2019, 471, 231-238.	6.1	76
4	Growth of high-quality AlN films on sapphire substrate by introducing voids through growth-mode modification. <i>Applied Surface Science</i> , 2020, 518, 146218.	6.1	43
5	Effect of strain relaxation on performance of InGaN/GaN green LEDs grown on 4-inch sapphire substrate with sputtered AlN nucleation layer. <i>Scientific Reports</i> , 2019, 9, 3447.	3.3	42
6	Strain management and AlN crystal quality improvement with an alternating V/III ratio AlN superlattice. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	19
7	Heteroepitaxial Growth of High-Quality and Crack-Free AlN Film on Sapphire Substrate with Nanometer-Scale-Thick AlN Nucleation Layer for AlGaIn-Based Deep Ultraviolet Light-Emitting Diodes. <i>Nanomaterials</i> , 2019, 9, 1634.	4.1	12
8	Strategically constructed patterned sapphire with silica array to boost substrate performance in GaN-based flip-chip visible light-emitting diodes. <i>Optics Express</i> , 2020, 28, 38444.	3.4	12
9	A Comparative Study of GaN-Based Direct Current and Alternating Current High Voltage Light-Emitting Diodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700554.	1.8	5