

## Hao-chung Kuo

National Chiao-Tung University Photonics

Google Scholar
----------------

Citation indices	All	Since 2012
Citations	9959	6308
h-index	46	36
i10-index	258	184

Title 1–20	Cited by	Year
Effects of doping concentration and annealing temperature on properties of highly-oriented Al-doped ZnO films SY Kuo, WC Chen, FI Lai, CP Cheng, HC Kuo, SC Wang, WF Hsieh Journal of crystal growth 287 (1), 78-84	272	2006
Enhancing the output power of GaN-based LEDs grown on wet-etched patterned sapphire substrates YJ Lee, JM Hwang, TC Hsu, MH Hsieh, MJ Jou, BJ Lee, TC Lu, HC Kuo, IEEE Photonics Technology Letters 18 (10), 1152-1154	231	2006
Hole injection and efficiency droop improvement in InGaN/GaN light- emitting diodes by band-engineered electron blocking layer CH Wang, CC Ke, CY Lee, SP Chang, WT Chang, JC Li, ZY Li, HC Yang, Applied Physics Letters 97 (26), 261103	170	2010
Study of GaN light-emitting diodes fabricated by laser lift-off technique CF Chu, Fl Lai, JT Chu, CC Yu, CF Lin, HC Kuo, SC Wang Journal of Applied Physics 95 (8), 3916-3922	166	2004
Efficiency enhancement of GaAs photovoltaics employing antireflective indium tin oxide nanocolumns P Yu, CH Chang, CH Chiu, CS Yang, JC Yu, HC Kuo, SH Hsu, YC Chang Advanced materials 21 (16), 1618-1621	157	2009
Patterned structure of remote phosphor for phosphor-converted white LEDs  HC Kuo, CW Hung, HC Chen, KJ Chen, CH Wang, CW Sher, CC Yeh,  Optics express 19 (104), A930-A936	142	2011
Nanoscale epitaxial lateral overgrowth of GaN-based light-emitting diodes on a SiO 2 nanorod-array patterned sapphire template CH Chiu, HH Yen, CL Chao, ZY Li, P Yu, HC Kuo, TC Lu, SC Wang, Applied physics letters 93 (8), 081108	139	2008
Improvement of InGaN-GaN light-emitting diode performance with a nanoroughened p-GaN surface HW Huang, CC Kao, JT Chu, HC Kuo, SC Wang, CC Yu IEEE Photonics Technology Letters 17 (5), 983-985	139	2005
Low efficiency droop in blue-green m-plane InGaN/GaN light emitting diodes SC Ling, TC Lu, SP Chang, JR Chen, HC Kuo, SC Wang	134	2010

Title 1–20	Cited by	Year
Applied Physics Letters 96 (23), 231101		
Study of the excitation power dependent internal quantum efficiency in InGaN/GaN LEDs grown on patterned sapphire substrate YJ Lee, CH Chiu, CC Ke, PC Lin, TC Lu, HC Kuo, SC Wang IEEE Journal of selected Topics in Quantum Electronics 15 (4), 1137-1143	116	2009
Continuous wave operation of current injected GaN vertical cavity surface emitting lasers at room temperature TC Lu, SW Chen, TT Wu, PM Tu, CK Chen, CH Chen, ZY Li, HC Kuo, Applied Physics Letters 97 (7), 071114	114	2010
Fabrication of InGaN/GaN nanorod light-emitting diodes with self-assembled Ni metal islands CH Chiu, TC Lu, HW Huang, CF Lai, CC Kao, JT Chu, CC Yu, HC Kuo, Nanotechnology 18 (44), 445201	109	2007
Hole transport improvement in InGaN/GaN light-emitting diodes by graded-composition multiple quantum barriers CH Wang, SP Chang, PH Ku, JC Li, YP Lan, CC Lin, HC Yang, HC Kuo, Applied Physics Letters 99 (17), 171106	106	2011
Enhanced light output of an InGaN/GaN light emitting diode with a nanoroughened p-GaN surface HW Huang, JT Chu, CC Kao, TH Hseuh, TC Lu, HC Kuo, SC Wang, Nanotechnology 16 (9), 1844	103	2005
Crack-free Ga N/Al N distributed Bragg reflectors incorporated with Ga N/Al N superlattices grown by metalorganic chemical vapor deposition GS Huang, TC Lu, HH Yao, HC Kuo, SC Wang, CW Lin, L Chang Applied physics letters 88 (6), 061904	96	2006
Light-output enhancement in a nitride-based light-emitting diode with 22 undercut sidewalls  CC Kao, HC Kuo, HW Huang, JT Chu, YC Peng, YL Hsieh, CY Luo,  IEEE photonics technology letters 17 (1), 19-21	94	2005
GaN-based two-dimensional surface-emitting photonic crystal lasers with Al N/Ga N distributed Bragg reflector TC Lu, SW Chen, LF Lin, TT Kao, CC Kao, P Yu, HC Kuo, SC Wang, Applied Physics Letters 92 (1), 011129	85	2008
Temperature-dependent electroluminescence efficiency in blue InGaN  -GaN light-emitting diodes with different well widths  CH Wang, JR Chen, CH Chiu, HC Kuo, YL Li, TC Lu, SC Wang IEEE Photonics Technology Letters 22 (4), 236-238	80	2010
	79	2008

Title 1–20 Cited by Year

Broadband and omnidirectional antireflection employing disordered GaN nanopillars

CH Chiu, P Yu, HC Kuo, CC Chen, TC Lu, SC Wang, SH Hsu, YJ Cheng, ... Optics express 16 (12), 8748-8754

Fabrication and performance of blue GaN-based vertical-cavity surface emitting laser employing AIN/ GaN and Ta 2 O 5/ SiO 2 distributed Bragg reflector

79 2005

CC Kao, YC Peng, HH Yao, JY Tsai, YH Chang, JT Chu, HW Huang, ... Applied Physics Letters 87 (8), 081105

Dates and citation counts are estimated and are determined automatically by a computer program.