

Chia-Hsin Chao

List of Publications by Year in descending order

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26
papers

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26
docs citations

26
times ranked

561
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel ultraflattened dispersion photonic Crystal fiber. IEEE Photonics Technology Letters, 2005, 17, 67-69.	2.5	115
2	Directional light extraction enhancement from GaN-based film-transferred photonic crystal light-emitting diodes. Applied Physics Letters, 2009, 94, 123106.	3.3	75
3	Structural Effects on Highly Directional Far-Field Emission Patterns of GaN-Based Micro-Cavity Light-Emitting Diodes With Photonic Crystals. Journal of Lightwave Technology, 2010, 28, 2881-2889.	4.6	62
4	Polarized light emission from photonic crystal light-emitting diodes. Applied Physics Letters, 2008, 92, 243118.	3.3	46
5	Anisotropy of light extraction from GaN two-dimensional photonic crystals. Optics Express, 2008, 16, 7285.	3.4	38
6	Highly-directional emission patterns based on near single guided mode extraction from GaN-based ultrathin microcavity light-emitting diodes with photonic crystals. Applied Physics Letters, 2010, 97, .	3.3	29
7	Photonic Crystal Fiber Analysis Through the Vector Boundary-Element Method: Effect of Elliptical Air Hole. IEEE Photonics Technology Letters, 2004, 16, 126-128.	2.5	28
8	Light Output Enhancement of GaN-Based Light-Emitting Diodes Using ZnO Nanorod Arrays Produced by Aqueous Solution Growth Technique. IEEE Photonics Technology Letters, 2010, 22, 1220-1222.	2.5	21
9	Angular color variation in micron-scale light-emitting diode arrays. Optics Express, 2019, 27, A1308.	3.4	21
10	Far-field of GaN film-transferred green light-emitting diodes with two-dimensional photonic crystals. Optics Express, 2009, 17, 8795.	3.4	20
11	Color Conversion of GaN-Based Micro Light-Emitting Diodes Using Quantum Dots. IEEE Photonics Technology Letters, 2015, 27, 2296-2299.	2.5	18
12	Far-Field and Near-Field Distribution of GaN-Based Photonic Crystal LEDs With Guided Mode Extraction. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 1234-1241.	2.9	16
13	71-1: Development of Micro-Pixelated GaN LED Array Micro-Display System. Digest of Technical Papers SID International Symposium, 2011, 42, 1042-1045.	0.3	16
14	Study on flip chip assembly of high density micro-LED array. , 2011, , .		12
15	Effective Color Conversion of GaN-Based LEDs via Coated Phosphor Layers. IEEE Photonics Technology Letters, 2013, 25, 764-767.	2.5	11
16	A Novel Approach for Calculating the Dispersions of Photonic Crystal Fibers. IEEE Photonics Technology Letters, 2004, 16, 1492-1494.	2.5	10
17	An efficient approach for calculating the dispersions of photonic-crystal fibers: design of the nearly zero ultra-flattened dispersion. Journal of Lightwave Technology, 2005, 23, 2055-2061.	4.6	9
18	GaN Thickness Effect on Directional Light Enhancement from GaN-Based Film-Transferred Photonic Crystal Light-Emitting Diodes. Japanese Journal of Applied Physics, 2010, 49, 04DG09.	1.5	6

#	ARTICLE	IF	CITATIONS
19	Optimized Microcavity and Photonic Crystal Parameters of GaN-Based Ultrathin-Film Light-Emitting Diodes for Highly Directional Beam Profiles. IEEE Photonics Technology Letters, 2010, 22, 1547-1549.	2.5	4
20	P: The Substrate Thickness Dependence on Micro LED Chip Arrays. Digest of Technical Papers SID International Symposium, 2019, 50, 1724-1727.	0.3	3
21	Divergent Far-Field IIIàNitride Ultrathin Film-Transferred Photonic Crystal Light-Emitting Diodes. Japanese Journal of Applied Physics, 2010, 49, 04DG08.	1.5	2
22	High Collection Efficiency Achieved by Photonic Crystal Off- γ Diffractions in Microsized Thin-Film GaN Light-Emitting Diodes. IEEE Photonics Technology Letters, 2012, 24, 1635-1637.	2.5	1
23	Photonic crystal fiber analysis through vector boundary-element method. , 0, , .		0
24	Polarization and dispersion analysis of holey fibers with elliptical air holes through the vector boundary-element method. , 0, , .		0
25	Directional light extraction from photonic crystal thin-film GaN light-emitting diodes. , 2009, , .		0
26	GaN-based film-transferred light-emitting diodes with photonic crystal. , 2009, , .		0