

# Kwai Hei Li

## List of Publications by Year in descending order

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30  
papers

299  
citations

1040056

9  
h-index

940533

16  
g-index

30  
all docs

30  
docs citations

30  
times ranked

256  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in III-Nitride semiconductor microdisk lasers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 960-973.	1.8	48
2	Monolithic Integration of GaN-on-Sapphire Light-Emitting Diodes, Photodetectors, and Waveguides. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018, 24, 1-6.	2.9	39
3	Intensity-Stabilized LEDs With Monolithically Integrated Photodetectors. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 7426-7432.	7.9	36
4	InGaN RGB Light-Emitting Diodes With Monolithically Integrated Photodetectors for Stabilizing Color Chromaticity. <i>IEEE Transactions on Industrial Electronics</i> , 2020, 67, 5154-5160.	7.9	29
5	On-Chip Integration of III-Nitride Flip-Chip Light-Emitting Diodes With Photodetectors. <i>Journal of Lightwave Technology</i> , 2021, 39, 2603-2608.	4.6	17
6	Ultracompact Chip-Scale Refractometer Based on an InGaN-Based Monolithic Photonic Chip. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 49748-49754.	8.0	15
7	Optical and Thermal Analyses of Thin-Film Hexagonal Micro-Mesh Light-Emitting Diodes. <i>IEEE Photonics Technology Letters</i> , 2013, 25, 374-377.	2.5	10
8	An optical humidity sensor: A compact photonic chip integrated with artificial opal. <i>Sensors and Actuators B: Chemical</i> , 2021, 349, 130763.	7.8	10
9	Tunable GaN Photonic Crystal and Microdisk on PDMS Flexible Films. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1112-1119.	4.3	9
10	A Compact Optical Pressure Sensor Based on a III-Nitride Photonic Chip with Nanosphere-Embedded PDMS. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1982-1987.	4.3	9
11	Influence of strain on emission from GaN-on-Si microdisks. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 375103.	2.8	7
12	Compact integration of GaN-based photonic chip with microfluidics system. <i>Optics Letters</i> , 2021, 46, 170.	3.3	7
13	Micro Humidity Sensor Based on a GaN Chip With Silica Opal. <i>IEEE Electron Device Letters</i> , 2021, 42, 743-746.	3.9	7
14	Chip-scale optical airflow sensor. <i>Microsystems and Nanoengineering</i> , 2022, 8, 4.	7.0	7
15	Chip-Scale In Situ Salinity Sensing Based on a Monolithic Optoelectronic Chip. <i>ACS Sensors</i> , 2022, 7, 849-855.	7.8	7
16	Polarized Emission From InGaN Light-Emitting Diodes With Self-Assembled Nanosphere Coatings. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 1642-1645.	2.5	6
17	Phosphor-Based InGaN/GaN White Light-Emitting Diodes With Monolithically Integrated Photodetectors. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 132-137.	3.0	5
18	Performance of InGaN green light-emitting diodes with on-chip photodetectors based on wire-bonding and flip-chip configurations. <i>Applied Optics</i> , 2021, 60, 2599.	1.8	5

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19	A Chip-Scale GaN-Based Optical Pressure Sensor With Microdome-Patterned Polydimethylsiloxane (PDMS). IEEE Electron Device Letters, 2021, 42, 1532-1535.	3.9	5
20	A Versatile, Incubatorâ€Compatible, Monolithic GaN Photonic Chipscope for Labelâ€Free Monitoring of Live Cell Activities. Advanced Science, 2022, 9, e2200910.	11.2	5
21	A Dataâ€Miningâ€Assisted Design of Structural Colors on Diamond Metasurfaces. Advanced Photonics Research, 0, , 2100292.	3.6	4
22	III-Nitride Microsensors for 360Â° Angle Detection. IEEE Electron Device Letters, 2022, 43, 458-461.	3.9	4
23	1-Âµm Micro-Lens Array on Flip-Chip Light-Emitting Diode. Japanese Journal of Applied Physics, 2013, 52, 08JH08.	1.5	3
24	A Miniature GaN Chip for Surface Roughness Measurement. IEEE Transactions on Electron Devices, 2021, 68, 4977-4981.	3.0	2
25	Simultaneous Curing and Monitoring of Resin Using GaN Chips. , 2022, 6, 1-4.		1
26	III-Nitride Microchips for Sugar Concentration Detection. IEEE Sensors Journal, 2022, 22, 2078-2082.	4.7	1
27	A Dataâ€Miningâ€Assisted Design of Structural Colors on Diamond Metasurfaces. Advanced Photonics Research, 2022, 3, .	3.6	1
28	Compact GaN-Based Photonic Chip for In Situ Real-Time Monitoring of Low Water Content in Ethanol. ACS Applied Electronic Materials, 2020, 2, 3502-3507.	4.3	0
29	High-Performance III-Nitride Light-Emitting Diode Stripes. IEEE Transactions on Electron Devices, 2021, , 1-5.	3.0	0
30	Compact GaN-based optical inclinometer. Optics Letters, 2022, 47, 1238.	3.3	0