

# Kwai Hei Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2643586/publications.pdf>

Version: 2024-02-01

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	III-Nitride Microsensors for 360° Angle Detection. IEEE Electron Device Letters, 2022, 43, 458-461.	3.9	4
2	Chip-scale optical airflow sensor. Microsystems and Nanoengineering, 2022, 8, 4.	7.0	7
3	Simultaneous Curing and Monitoring of Resin Using GaN Chips. , 2022, 6, 1-4.		1
4	Compact GaN-based optical inclinometer. Optics Letters, 2022, 47, 1238.	3.3	0
5	III-Nitride Microchips for Sugar Concentration Detection. IEEE Sensors Journal, 2022, 22, 2078-2082.	4.7	1
6	Chip-Scale In Situ Salinity Sensing Based on a Monolithic Optoelectronic Chip. ACS Sensors, 2022, 7, 849-855.	7.8	7
7	A Data-Mining-Assisted Design of Structural Colors on Diamond Metasurfaces. Advanced Photonics Research, 2022, 3, .	3.6	1
8	A Versatile, Incubator-Compatible, Monolithic GaN Photonic Chipscope for Label-Free Monitoring of Live Cell Activities. Advanced Science, 2022, 9, e2200910.	11.2	5
9	Compact integration of GaN-based photonic chip with microfluidics system. Optics Letters, 2021, 46, 170.	3.3	7
10	Phosphor-Based InGaN/GaN White Light-Emitting Diodes With Monolithically Integrated Photodetectors. IEEE Transactions on Electron Devices, 2021, 68, 132-137.	3.0	5
11	Performance of InGaN green light-emitting diodes with on-chip photodetectors based on wire-bonding and flip-chip configurations. Applied Optics, 2021, 60, 2599.	1.8	5
12	On-Chip Integration of III-Nitride Flip-Chip Light-Emitting Diodes With Photodetectors. Journal of Lightwave Technology, 2021, 39, 2603-2608.	4.6	17
13	A Compact Optical Pressure Sensor Based on a III-Nitride Photonic Chip with Nanosphere-Embedded PDMS. ACS Applied Electronic Materials, 2021, 3, 1982-1987.	4.3	9
14	Micro Humidity Sensor Based on a GaN Chip With Silica Opal. IEEE Electron Device Letters, 2021, 42, 743-746.	3.9	7
15	A Miniature GaN Chip for Surface Roughness Measurement. IEEE Transactions on Electron Devices, 2021, 68, 4977-4981.	3.0	2
16	A Chip-Scale GaN-Based Optical Pressure Sensor With Microdome-Patterned Polydimethylsiloxane (PDMS). IEEE Electron Device Letters, 2021, 42, 1532-1535.	3.9	5
17	An optical humidity sensor: A compact photonic chip integrated with artificial opal. Sensors and Actuators B: Chemical, 2021, 349, 130763.	7.8	10
18	High-Performance III-Nitride Light-Emitting Diode Stripes. IEEE Transactions on Electron Devices, 2021, , 1-5.	3.0	0

#	ARTICLE	IF	CITATIONS
19	InGaN RGB Light-Emitting Diodes With Monolithically Integrated Photodetectors for Stabilizing Color Chromaticity. IEEE Transactions on Industrial Electronics, 2020, 67, 5154-5160.	7.9	29
20	Ultracompact Chip-Scale Refractometer Based on an InGaN-Based Monolithic Photonic Chip. ACS Applied Materials & Interfaces, 2020, 12, 49748-49754.	8.0	15
21	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
22	Tunable GaN Photonic Crystal and Microdisk on PDMS Flexible Films. ACS Applied Electronic Materials, 2019, 1, 1112-1119.	4.3	9
23	Intensity-Stabilized LEDs With Monolithically Integrated Photodetectors. IEEE Transactions on Industrial Electronics, 2019, 66, 7426-7432.	7.9	36
24	Monolithic Integration of GaN-on-Sapphire Light-Emitting Diodes, Photodetectors, and Waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-6.	2.9	39
25	Influence of strain on emission from GaN-on-Si microdisks. Journal Physics D: Applied Physics, 2016, 49, 375103.	2.8	7
26	Advances in III-nitride semiconductor microdisk lasers. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 960-973.	1.8	48
27	Optical and Thermal Analyses of Thin-Film Hexagonal Micro-Mesh Light-Emitting Diodes. IEEE Photonics Technology Letters, 2013, 25, 374-377.	2.5	10
28	1- $\mu\text{m}$ Micro-Lens Array on Flip-Chip Light-Emitting Diode. Japanese Journal of Applied Physics, 2013, 52, 08JH08.	1.5	3
29	Polarized Emission From InGaN Light-Emitting Diodes With Self-Assembled Nanosphere Coatings. IEEE Photonics Technology Letters, 2012, 24, 1642-1645.	2.5	6
30	A Data-Mining-Assisted Design of Structural Colors on Diamond Metasurfaces. Advanced Photonics Research, 0, , 2100292.	3.6	4