

# Chen Huang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8784331/publications.pdf>

Version: 2024-02-01

9  
papers

708  
citations

1163117  
8  
h-index

1474206  
9  
g-index

9  
all docs

9  
docs citations

9  
times ranked

412  
citing authors

#	ARTICLE	IF	CITATIONS
1	Boosted ultraviolet photodetection of AlGaIn quantum-disk nanowires via rational surface passivation. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 125101.	2.8	6
2	Highly Uniform, Self-Assembled AlGaIn Nanowires for Self-Powered Solar-Blind Photodetector with Fast-Response Speed and High Responsivity. <i>Advanced Optical Materials</i> , 2021, 9, 2000893.	7.3	75
3	Pt/AlGaIn Nanoarchitecture: Toward High Responsivity, Self-Powered Ultraviolet-Sensitive Photodetection. <i>Nano Letters</i> , 2021, 21, 120-129.	9.1	127
4	Compositionally graded III-nitride alloys: building blocks for efficient ultraviolet optoelectronics and power electronics. <i>Reports on Progress in Physics</i> , 2021, 84, 044401.	20.1	100
5	Demonstration of AlGaIn/GaN-based ultraviolet phototransistor with a record high responsivity over $3.6 \times 10^7$ A/W. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	74
6	AlGaIn-based deep ultraviolet micro-LED emitting at 275 nm. <i>Optics Letters</i> , 2021, 46, 3271.	3.3	87
7	Enhanced light extraction of the deep-ultraviolet micro-LED via rational design of chip sidewall. <i>Optics Letters</i> , 2021, 46, 4809.	3.3	43
8	Band engineering of III-nitride-based deep-ultraviolet light-emitting diodes: a review. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 073002.	2.8	102
9	Ultraviolet optoelectronic devices based on AlGaIn-SiC platform: Towards monolithic photonics integration system. <i>Nano Energy</i> , 2020, 77, 105149.	16.0	94