

Chen Huang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Pt/AlGa _N Nanoarchitecture: Toward High Responsivity, Self-Powered Ultraviolet-Sensitive Photodetection. <i>Nano Letters</i> , 2021, 21, 120-129.	9.1	127
2	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
3	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
4	Ultraviolet optoelectronic devices based on AlGa _N -SiC platform: Towards monolithic photonics integration system. <i>Nano Energy</i> , 2020, 77, 105149.	16.0	94
5	AlGa _N -based deep ultraviolet micro-LED emitting at 275 nm. <i>Optics Letters</i> , 2021, 46, 3271.	3.3	87
6	Highly Uniform, Self-Assembled AlGa _N 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
7	Demonstration of AlGa _N /Ga _N -based ultraviolet phototransistor with a record high responsivity over 3.6 × 10 ⁷ A/W. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	74
8	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
9	Boosted ultraviolet photodetection of AlGa _N quantum-disk nanowires via rational surface passivation. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 125101.	2.8	6