

Xia Guo

List of Publications by Year in descending order

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papers

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1307594

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docs citations

17
times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid graphene/unintentionally doped GaN ultraviolet photodetector with high responsivity and speed. Applied Physics Letters, 2018, 113, .	3.3	35
2	Graphene on Self-Assembled InGaN Quantum Dots Enabling Ultrahighly Sensitive Photodetectors. Advanced Optical Materials, 2019, 7, 1801792.	7.3	33
3	Interface-Induced High Responsivity in Hybrid Graphene/GaAs Photodetector. Advanced Optical Materials, 2020, 8, 1901741.	7.3	31
4	Hybrid Graphene/Cu ₂ O Quantum Dot Photodetectors with Ultrahigh Responsivity. Advanced Optical Materials, 2019, 7, 1900455.	7.3	30
5	Graphene/SrTiO ₃ interface-based UV photodetectors with high responsivity*. Chinese Physics B, 2021, 30, 038502.	1.4	9
6	Vertical leakage induced current degradation and relevant traps with large lattice relaxation in AlGaIn/GaN heterostructures on Si. Applied Physics Letters, 2018, 112, 032104.	3.3	8
7	Drop-casting CsPbBr ₃ perovskite quantum dots as down-shifting layer enhancing the ultraviolet response of silicon avalanche photodiode. Applied Physics Letters, 2021, 119, .	3.3	8
8	Coupled Equivalent Circuit for High-Speed Photodiodes. IEEE Electron Device Letters, 2019, 40, 1654-1657.	3.9	7
9	Effects of Interface States on Ge-On-SOI Photodiodes. IEEE Journal of the Electron Devices Society, 2019, 7, 7-12.	2.1	7
10	Heat dissipation effect on modulation bandwidth of high-speed 850-nm VCSELs. Journal of Applied Physics, 2017, 121, .	2.5	6
11	Carrier localization enhanced high responsivity in graphene/semiconductor photodetectors. , 2022, 1, 100006.		6
12	Total dose test with ⁶⁰ Co-ray for silicon single photon avalanche diodes*. Chinese Physics B, 2020, 29, 088501.	1.4	5
13	Current Kink and Capacitance Frequency Dispersion in Silicon PIN Photodiodes. IEEE Journal of the Electron Devices Society, 2017, 5, 390-394.	2.1	3
14	Graphene probe to explore the surface polarization in SrTiO ₃ without damage. Applied Physics Letters, 2021, 119, .	3.3	3
15	Graphene as current spreading layer on AlGaInP light emitting diodes. Journal of Applied Physics, 2018, 123, 175701.	2.5	2
16	In-Fiber Graphene-hBN Polarizer With Enhanced Performance and Bandwidth. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	2
17	High-sensitivity graphene/Cu ₂ O hybrid photodetectors based on photo-induced quantum capacitance. AIP Advances, 2022, 12, 045003.	1.3	1