

Zuyong Yan

List of Publications by Year in descending order

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19
papers

912
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567281

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794594

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445
citing authors

#	ARTICLE	IF	CITATIONS
1	Ti ₃ C ₂ /μ-Ga ₂ O ₃ Schottky Self-Powered Solar-Blind Photodetector With Robust Responsivity. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-8.	2.9	15
2	A self-powered Î ² -Ga ₂ O ₃ /CsCu ₂ I ₃ heterojunction photodiode responding to deep ultraviolet irradiation. Current Applied Physics, 2022, 33, 20-26.	2.4	20
3	Oxygen vacancies modulating self-powered photoresponse in PEDOT:PSS/μ-Ga ₂ O ₃ heterojunction by trapping effect. Science China Technological Sciences, 2022, 65, 704-712.	4.0	20
4	Low MOCVD growth temperature controlled phase transition of Ga ₂ O ₃ films for ultraviolet sensing. Vacuum, 2022, 203, 111270.	3.5	13
5	Reinforcement of double built-in electric fields in spiro-MeOTAD/Ga ₂ O ₃ /Si p ⁺ n structure for a high-sensitivity solar-blind UV photovoltaic detector. Journal of Materials Chemistry C, 2021, 9, 14788-14798.	5.5	21
6	Enhanced deep-ultraviolet sensing by an all-inorganic p-PZT/n-Ga ₂ O ₃ thin-film heterojunction. Journal Physics D: Applied Physics, 2021, 54, 195104.	2.8	11
7	A study for the influences of temperatures on ZnGa ₂ O ₄ films and solar-blind sensing performances. Journal Physics D: Applied Physics, 2021, 54, 405107.	2.8	12
8	A broadband UV-visible photodetector based on a Ga ₂ O ₃ /BFO heterojunction. Physica Scripta, 2021, 96, 125823.	2.5	22
9	Oxygen vacancies modulating the photodetector performances in μ-Ga ₂ O ₃ thin films. Journal of Materials Chemistry C, 2021, 9, 5437-5444.	5.5	66
10	Broadband Ultraviolet Self-Powered Photodetector Constructed on Exfoliated Î ² -Ga ₂ O ₃ /CuI Core-Shell Microwire Heterojunction with Superior Reliability. Journal of Physical Chemistry Letters, 2021, 12, 447-453.	4.6	90
11	Self-Powered Ultraviolet Photodetector Based on Î ² -Ga ₂ O ₃ /WO ₃ NPs Heterojunction With Low Noise and High Visible Rejection. IEEE Sensors Journal, 2021, 21, 26724-26730.	4.7	20
12	A Spiro-MeOTAD/Ga ₂ O ₃ /Si p-i-n Junction Featuring Enhanced Self-Powered Solar-Blind Sensing via Balancing Absorption of Photons and Separation of Photogenerated Carriers. ACS Applied Materials & Interfaces, 2021, 13, 57619-57628.	8.0	19
13	A self-powered solar-blind photodetector with large V _{oc} enhancing performance based on the PEDOT:PSS/Ga ₂ O ₃ organic-inorganic hybrid heterojunction. Journal of Materials Chemistry C, 2020, 8, 1292-1300.	5.5	94
14	Comparison of optoelectrical characteristics between Schottky and Ohmic contacts to Î ² -Ga ₂ O ₃ thin film. Journal Physics D: Applied Physics, 2020, 53, 085105.	2.8	40
15	Ultrasensitive Flexible Solar-Blind Photodetectors Based on Graphene/Amorphous Ga ₂ O ₃ van der Waals Heterojunctions. ACS Applied Materials & Interfaces, 2020, 12, 47714-47720.	8.0	73
16	Construction of a Î ² -Ga ₂ O ₃ -based metal-oxide-semiconductor-structured photodiode for high-performance dual-mode solar-blind detector applications. Journal of Materials Chemistry C, 2020, 8, 5071-5081.	5.5	58
17	High sensitivity and fast response self-powered solar-blind ultraviolet photodetector with a Î ² -Ga ₂ O ₃ /spiro-MeOTAD p ⁺ n heterojunction. Journal of Materials Chemistry C, 2020, 8, 4502-4509.	5.5	69
18	Ultrasensitive, Superhigh Signal-to-Noise Ratio, Self-Powered Solar-Blind Photodetector Based on n-Ga ₂ O ₃ /p-CuSCN Core-Shell Microwire Heterojunction. ACS Applied Materials & Interfaces, 2019, 11, 35105-35114.	8.0	161

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19	A high-performance ultraviolet solar-blind photodetector based on a $\text{In}^{2-}\text{Ga}^{2-}\text{O}^{3-}$ Schottky photodiode. Journal of Materials Chemistry C, 2019, 7, 13920-13929.	5.5	88