

Highly narrowband perovskite single-crystal photodetector with suppressed recombination

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Citation Report

#	ARTICLE	IF	CITATIONS
3	Comparison of Recombination Dynamics in $\text{CH}_3\text{NH}_3\text{PbBr}_3$ and $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite Films: Influence of Exciton Binding Energy. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4688-4692.	2.1	350
4	Colour-selective photodiodes. <i>Nature Photonics</i> , 2015, 9, 634-636.	15.6	37
5	Healing All-Inorganic Perovskite Films via Recyclable Dissolution-Recrystallization for Compact and Smooth Carrier Channels of Optoelectronic Devices with High Stability. <i>Advanced Functional Materials</i> , 2016, 26, 5903-5912.	7.8	296
6	Fast and Sensitive Solution-Processed Visible-Blind Perovskite UV Photodetectors. <i>Advanced Materials</i> , 2016, 28, 7264-7268.	11.1	234
7	Mechanochemical synthesis of methylammonium lead iodide perovskite. <i>Journal of Materials Science</i> , 2016, 51, 9123-9130.	1.7	35
8	Perovskite Photodetectors based on $\text{CH}_3\text{NH}_3\text{PbI}_3$ Single Crystals. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2675-2679.	1.7	30
9	The In-Cap Electronic State Spectrum of Methylammonium Lead Iodide Single-Crystal Perovskites. <i>Advanced Materials</i> , 2016, 28, 3406-3410.	11.1	187
10	Role of Intrinsic Ion Accumulation in the Photocurrent and Photocapacitive Responses of MAPbBr_3 Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 35447-35453.	4.0	15
11	Photoinduced surface voltage mapping study for large perovskite single crystals. <i>Applied Physics Letters</i> , 2016, 108, 181604.	1.5	13
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14	Perovskite heterojunction based on $\text{CH}_3\text{NH}_3\text{PbBr}_3$ single crystal for high-sensitive self-powered photodetector. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	90
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16	Controllable growth of bulk cubic-phase $\text{CH}_3\text{NH}_3\text{PbI}_3$ single crystal with exciting room-temperature stability. <i>CrystEngComm</i> , 2016, 18, 5257-5261.	1.3	51
17	Boosting Responsivity of Organic-Metal Oxynitride Hybrid Heterointerface Phototransistor. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14665-14670.	4.0	25
18	Visible blind ultraviolet photodetector based on $\text{CH}_3\text{NH}_3\text{PbCl}_3$ thin film. <i>Optics Express</i> , 2016, 24, 8411.	1.7	60
19	Two-Dimensional Halide Perovskites: Tuning Electronic Activities of Defects. <i>Nano Letters</i> , 2016, 16, 3335-3340.	4.5	94
20	Hybridizing $\text{CH}_3\text{NH}_3\text{PbBr}_3$ microwires and tapered fibers for efficient light collection. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8015-8019.	5.2	18

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22	Crystallographic Investigations into Properties of Acentric Hybrid Perovskite Single Crystals NH(CH ₃) ₃ SnX ₃ (X = Cl, Br). <i>Chemistry of Materials</i> , 2016, 28, 6968-6974.	3.2	92
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36	Cross-Linkable Fullerene Derivatives for Solution-Processed nâ€iâ€p Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2016, 1, 648-653.	8.8	67
37	Schottky junctions on perovskite single crystals: light-modulated dielectric constant and self-biased photodetection. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8304-8312.	2.7	134
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139	Luminescence control in hybrid perovskites and their applications. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4098-4110.	2.7	14
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