Nadja Giesbrecht

List of Publications by Year
in descending order

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Version: 2024-02-01

26 papers	2,402 citations	394421 19 h-index	552781 26 g-index
27 all docs	27 docs citations	27 times ranked	4644 citing authors

#	Article	IF	Citations
1	Solution Processable Direct Bandgap Copperâ€Silverâ€Bismuth Iodide Photovoltaics: Compositional Control of Dimensionality and Optoelectronic Properties. Advanced Energy Materials, 2022, 12, .	19.5	17
2	Roadmap on organicâ€“inorganic hybrid perovskite semiconductors and devices. APL Materials, 2021, 9, .	5.1	102
3	Optoelectronic Properties of Cs₂AgBiBr₆ Thin Films: The Influence of Precursor Stoichiometry. ACS Applied Energy Materials, 2020, 3, 11597-11609.	5.1	27
4	Local Disorder at the Phase Transition Interrupts Ambipolar Charge Carrier Transport in Large Crystal Methylammonium Lead Iodide Thin Films. Journal of Physical Chemistry C, 2020, 124, 20757-20764.	3.1	0
5	Prospects of lead-free perovskite-inspired materials for photovoltaic applications. Energy and Environmental Science, 2020, 13, 4691-4716.	30.8	47
6	Formation of stable 2D methylammonium antimony iodide phase for lead-free perovskite-like solar cells[*]. JPhys Energy, 2020, 2, 024007.	5.3	13
7	A general approach for hysteresis-free, operationally stable metal halide perovskite field-effect transistors. Science Advances, 2020, 6, eaaz4948.	10.3	129
8	Temperature-Dependent Ambipolar Charge Carrier Mobility in Large-Crystal Hybrid Halide Perovskite Thin Films. ACS Applied Materials & Interfaces, 2019, 11, 20838-20844.	8.0	49
9	Universal Nanoparticle Wetting Agent for Upscaling Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 12948-12957.	8.0	22
10	Temperature-dependent studies of exciton binding energy and phase-transition suppression in (Cs,FA,MA)Pb(I,Br)3 perovskites. APL Materials, 2019, 7, .	5.1	73
11	Single-crystal-like optoelectronic-properties of MAPbI₃ perovskite polycrystalline thin films. Journal of Materials Chemistry A, 2018, 6, 4822-4828.	10.3	46
12	Grain Boundaries Act as Solid Walls for Charge Carrier Diffusion in Large Crystal MAPI Thin Films. ACS Applied Materials & Interfaces, 2018, 10, 7974-7981.	8.0	40
13	Understanding charge transport in lead iodide perovskite thin-film field-effect transistors. Science Advances, 2017, 3, e1601935.	10.3	354
14	Controlling crystal growth by chloride-assisted synthesis: Towards optimized charge transport in hybrid halide perovskites. Solar Energy Materials and Solar Cells, 2017, 166, 269-275.	6.2	8
15	Perovskite Solar Cells: Capturing the Sun: A Review of the Challenges and Perspectives of Perovskite Solar Cells (Adv. Energy Mater. 16/2017). Advanced Energy Materials, 2017, 7, .	19.5	3
16	Capturing the Sun: A Review of the Challenges and Perspectives of Perovskite Solar Cells. Advanced Energy Materials, 2017, 7, 1700264.	19.5	295
17	Synthesis of Perfectly Oriented and Micrometer-Sized MAPbBr₃ Perovskite Crystals for Thin-Film Photovoltaic Applications. ACS Energy Letters, 2016, 1, 150-154.	17.4	103
18	Toward Tailored Film Morphologies: The Origin of Crystal Orientation in Hybrid Perovskite Thin Films. Advanced Materials Interfaces, 2016, 3, 1600403.	3.7	67

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19	Contactless Visualization of Fast Charge Carrier Diffusion in Hybrid Halide Perovskite Thin Films. ACS Photonics, 2016, 3, 255-261.	6.6	26
20	Blue-Green Color Tunable Solution Processable Organolead Chlorideâ€“Bromide Mixed Halide Perovskites for Optoelectronic Applications. Nano Letters, 2015, 15, 6095-6101.	9.1	461
21	A Closer Look into Two-Step Perovskite Conversion with X-ray Scattering. Journal of Physical Chemistry Letters, 2015, 6, 1265-1269.	4.6	96
22	Heterostructures of skutterudites and germanium antimony tellurides â€“ structure analysis and thermoelectric properties of bulk samples. Journal of Materials Chemistry C, 2015, 3, 10525-10533.	5.5	13
23	Influence of the orientation of methylammonium lead iodide perovskite crystals on solar cell performance. APL Materials, 2014, 2, .	5.1	95
24	TAGS-related indium compounds and their thermoelectric properties â€“ the solid solution series (GeTe)_xAgIn_ySb_{1â^'y}Te₂ (<i>x</i> = 1â€“12; <i>y</i> = 0.5) Tj ET Q q0 0 0 rg BT /Ove	10.3	21
25	Efficient Planar Heterojunction Perovskite Solar Cells Based on Formamidinium Lead Bromide. Journal of Physical Chemistry Letters, 2014, 5, 2791-2795.	4.6	250
26	Nanostructures in Te/Sb/Ge/Ag (TAGS) Thermoelectric Materials Induced by Phase Transitions Associated with Vacancy Ordering. Inorganic Chemistry, 2014, 53, 7722-7729.	4.0	39