Manuel A Scheel

List of Publications by Year
in descending order

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20	1,276	759233 12	752698 20
papers	citations	h-index	g-index

21	21	21	1188
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improvement of the thermoelectric properties of PEDOT:PSS films via DMSO addition and DMSO/salt post-treatment resolved from a fundamental view. Chemical Engineering Journal, 2022, 429, 132295.	12.7	37
2	In Situ Study of FePt Nanoparticlesâ€Induced Morphology Development during Printing of Magnetic Hybrid Diblock Copolymer Films. Advanced Functional Materials, 2022, 32, 2107667.	14.9	3
3	The Influence of CsBr on Crystal Orientation and Optoelectronic Properties of MAPbI₃-Based Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 2958-2967.	8.0	18
4	Revealing Donorâ€“Acceptor Interaction on the Printed Active Layer Morphology and the Formation Kinetics for Nonfullerene Organic Solar Cells at Ambient Conditions. Advanced Energy Materials, 2022, 12, .	19.5	40
5	Hydrophobic Graphene Quantum Dots for Defect Passivation and Enhanced Moisture Stability of CH₃NH₃PbI₃ Perovskite Solar Cells. Solar Rrl, 2022, 6, .	5.8	11
6	Timeâ€Resolved Orientation and Phase Analysis of Lead Halide Perovskite Film Annealing Probed by In Situ GIWAXS. Advanced Optical Materials, 2022, 10, .	7.3	22
7	Operando Study of Structure Degradation in Solidâ€State Dyeâ€Sensitized Solar Cells with a TiO₂ Photoanode Having Ordered Mesopore Arrays. Solar Rrl, 2022, 6, .	5.8	4
8	Sprayed Nanometer-Thick Hard-Magnetic Coatings with Strong Perpendicular Anisotropy for Data Storage Applications. ACS Applied Nano Materials, 2022, 5, 8741-8754.	5.0	1
9	Elucidating the Role of Antisolvents on the Surface Chemistry and Optoelectronic Properties of CsPbBr_xI_{3-x} Perovskite Nanocrystals. Journal of the American Chemical Society, 2022, 144, 12102-12115.	13.7	31
10	Hydrophobic Graphene Quantum Dots for Defect Passivation and Enhanced Moisture Stability of CH₃NH₃PbI₃ Perovskite Solar Cells. Solar Rrl, 2022, 6, .	5.8	2
11	State of the Art and Prospects for Halide Perovskite Nanocrystals. ACS Nano, 2021, 15, 10775-10981.	14.6	705
12	1,10-Phenanthroline as an Efficient Bifunctional Passivating Agent for MAPbI₃ Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 32894-32905.	8.0	13
13	Degradation mechanisms of perovskite solar cells under vacuum and one atmosphere of nitrogen. Nature Energy, 2021, 6, 977-986.	39.5	103
14	Optoelectronic Properties of Cs₂AgBiBr₆ Thin Films: The Influence of Precursor Stoichiometry. ACS Applied Energy Materials, 2020, 3, 11597-11609.	5.1	27
15	Hot Hydrocarbonâ€Solvent Slotâ€Die Coating Enables Highâ€Efficiency Organic Solar Cells with Temperatureâ€Dependent Aggregation Behavior. Advanced Materials, 2020, 32, e2002302.	21.0	139
16	In Situ Study of Order Formation in Mesoporous Titania Thin Films Templated by a Diblock Copolymer during Slot-Die Printing. ACS Applied Materials & Interfaces, 2020, 12, 57627-57637.	8.0	10
17	Tailoring the orientation of perovskite crystals via adding two-dimensional polymorphs for perovskite solar cells. JPhys Energy, 2020, 2, 034005.	5.3	16
18	Balancing the pre-aggregation and crystallization kinetics enables high efficiency slot-die coated organic solar cells with reduced non-radiative recombination losses. Energy and Environmental Science, 2020, 13, 2467-2479.	30.8	69

#	Article	IF	Citations
19	Colloidal PbS quantum dot stacking kinetics during deposition via printing. Nanoscale Horizons, 2020, 5, 880-885.	8.0	21
20	Structural Complexity and Thermoelectric Properties of Quaternary and Quinary Tellurides (Ge_xSn_{1â€“x})_{0.8}(In_ySb_{1â€“y})_{0.13} with 0 â‰¤ x,y â‰¤ 1. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1962-1970.	1.2	2