

# Manuel A Scheel

## List of Publications by Year in descending order

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20  
papers

1,276  
citations

759233

12  
h-index

752698

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1188  
citing authors

#	ARTICLE	IF	CITATIONS
1	State of the Art and Prospects for Halide Perovskite Nanocrystals. ACS Nano, 2021, 15, 10775-10981.	14.6	705
2	Hot Hydrocarbon Solvent Slot-Die Coating Enables High-Efficiency Organic Solar Cells with Temperature-Dependent Aggregation Behavior. Advanced Materials, 2020, 32, e2002302.	21.0	139
3	Degradation mechanisms of perovskite solar cells under vacuum and one atmosphere of nitrogen. Nature Energy, 2021, 6, 977-986.	39.5	103
4	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
5	Revealing Donor-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
6	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
7	Elucidating the Role of Antisolvents on the Surface Chemistry and Optoelectronic Properties of CsPbBr <sub>3-x</sub> Perovskite Nanocrystals. Journal of the American Chemical Society, 2022, 144, 12102-12115.	13.7	31
8	Optoelectronic Properties of Cs <sub>2</sub> AgBiBr <sub>6</sub> Thin Films: The Influence of Precursor Stoichiometry. ACS Applied Energy Materials, 2020, 3, 11597-11609.	5.1	27
9	Time-Resolved Orientation and Phase Analysis of Lead Halide Perovskite Film Annealing Probed by In Situ GIWAXS. Advanced Optical Materials, 2022, 10, .	7.3	22
10	Colloidal PbS quantum dot stacking kinetics during deposition <i>via</i> printing. Nanoscale Horizons, 2020, 5, 880-885.	8.0	21
11	The Influence of CsBr on Crystal Orientation and Optoelectronic Properties of MAPbI <sub>3</sub> -Based Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 2958-2967.	8.0	18
12	Tailoring the orientation of perovskite crystals via adding two-dimensional polymorphs for perovskite solar cells. JPhys Energy, 2020, 2, 034005.	5.3	16
13	1,10-Phenanthroline as an Efficient Bifunctional Passivating Agent for MAPbI <sub>3</sub> Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 32894-32905.	8.0	13
14	Hydrophobic Graphene Quantum Dots for Defect Passivation and Enhanced Moisture Stability of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Solar Cells. Solar Rrl, 2022, 6, .	5.8	11
15	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
16	Operando Study of Structure Degradation in Solid-State Dye-Sensitized Solar Cells with a TiO <sub>2</sub> Photoanode Having Ordered Mesopore Arrays. Solar Rrl, 2022, 6, .	5.8	4
17	In Situ Study of FePt Nanoparticles-Induced Morphology Development during Printing of Magnetic Hybrid Diblock Copolymer Films. Advanced Functional Materials, 2022, 32, 2107667.	14.9	3
18	Structural Complexity and Thermoelectric Properties of Quaternary and Quinary Tellurides (Ge <sub>x</sub> Sn <sub>1-x</sub> ) <sub>0.8</sub> (In <sub>y</sub> Sb <sub>1-y</sub> ) <sub>0.2</sub> with 0 ≤ x, y ≤ 1. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1962-1970.		0.13

#	ARTICLE	IF	CITATIONS
19	Hydrophobic Graphene Quantum Dots for Defect Passivation and Enhanced Moisture Stability of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Solar Cells. Solar Rrl, 2022, 6, .	5.8	2
20	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