

Konstantin Schätz

List of Publications by Year in descending order

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papers

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840776

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16
docs citations

16
times ranked

1168
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin-Crossover Iron(II) Coordination Polymer with Fluorescent Properties: Correlation between Emission Properties and Spin State. <i>Journal of the American Chemical Society</i> , 2018, 140, 700-709.	13.7	169
2	Double peak emission in lead halide perovskites by self-absorption. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2289-2300.	5.5	72
3	How antisolvent miscibility affects perovskite film wrinkling and photovoltaic properties. <i>Nature Communications</i> , 2021, 12, 1554.	12.8	63
4	High Versatility and Stability of Mechanochemically Synthesized Halide Perovskite Powders for Optoelectronic Devices. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30259-30268.	8.0	47
5	Direct observation of backbone planarization via side-chain alignment in single bulky-substituted polythiophenes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2699-2704.	7.1	42
6	Investigating two-step MAPbI ₃ thin film formation during spin coating by simultaneous <i>in situ</i> absorption and photoluminescence spectroscopy. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5086-5094.	10.3	37
7	A Fluorescence-Detected Coordination-Induced Spin State Switch. <i>Journal of the American Chemical Society</i> , 2021, 143, 3466-3480.	13.7	37
8	Controlling aggregate formation in conjugated polymers by spin-coating below the critical temperature of the disorder-order transition. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 532-542.	2.1	34
9	Structural Diversity in Layered Hybrid Perovskites, A ₂ PbBr ₄ or AA ²⁺ PbBr ₄ , Templated by Small Disc-Shaped Amines. <i>Inorganic Chemistry</i> , 2020, 59, 12858-12866.	4.0	25
10	Investigating the Tetragonal-Orthorhombic Phase Transition of Methylammonium Lead Iodide Single Crystals by Detailed Photoluminescence Analysis. <i>Advanced Optical Materials</i> , 2020, 8, 2000455.	7.3	23
11	Iron(II) Spin Crossover Complexes Based on a Redox Active Equatorial Schiff-Base-Like Ligand. <i>Inorganic Chemistry</i> , 2020, 59, 8320-8333.	4.0	21
12	Using In Situ Optical Spectroscopy to Elucidate Film Formation of Metal Halide Perovskites. <i>Journal of Physical Chemistry A</i> , 2021, 125, 2209-2225.	2.5	10
13	Understanding Differences in the Crystallization Kinetics between One-Step Slot-Die Coating and Spin Coating of MAPbI ₃ Using Multimodal In Situ Optical Spectroscopy. <i>Advanced Optical Materials</i> , 2021, 9, 2101161.	7.3	8
14	Influence of I%-Bromo Substitution on Structure and Optoelectronic Properties of Homopolymers and Gradient Copolymers of 3-Hexylthiophene. <i>Macromolecules</i> , 2020, 53, 2474-2484.	4.8	5
15	Suppressed ion migration in powder-based perovskite thick films using an ionic liquid. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11827-11837.	5.5	5
16	Disorder in P3HT Nanoparticles Probed by Optical Spectroscopy on P3HT- <i>b</i> -PEG Micelles. <i>Journal of Physical Chemistry A</i> , 2021, 125, 10165-10173.	2.5	5