

Fabian Panzer

List of Publications by Year in descending order

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papers

1,504
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331538

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377752

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docs citations

37
times ranked

2810
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppressed ion migration in powder-based perovskite thick films using an ionic liquid. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11827-11837.	2.7	5
2	Microscopic (Dis)order and Dynamics of Cations in Mixed FA/MA Lead Halide Perovskites. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1742-1753.	1.5	28
3	Using In Situ Optical Spectroscopy to Elucidate Film Formation of Metal Halide Perovskites. <i>Journal of Physical Chemistry A</i> , 2021, 125, 2209-2225.	1.1	10
4	How antisolvent miscibility affects perovskite film wrinkling and photovoltaic properties. <i>Nature Communications</i> , 2021, 12, 1554.	5.8	63
5	Electrical Conductivity of Halide Perovskites Follows Expectations from Classical Defect Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 2882-2889.	1.0	14
6	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.	3.6	8
7	The Impact of Solvent Vapor on the Film Morphology and Crystallization Kinetics of Lead Halide Perovskites during Annealing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45365-45374.	4.0	12
8	Recent Advances and Perspectives on Powder-Based Halide Perovskite Film Processing. <i>Advanced Functional Materials</i> , 2021, 31, 2007350.	7.8	33
9	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.	1.1	5
10	Double peak emission in lead halide perovskites by self-absorption. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2289-2300.	2.7	72
11	Impact of Pressure and Temperature on the Compaction Dynamics and Layer Properties of Powder-Pressed Methylammonium Lead Halide Thick Films. <i>ACS Applied Electronic Materials</i> , 2020, 2, 2619-2628.	2.0	14
12	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.	1.9	25
13	Role of Torsional Flexibility in the Film Formation Process in Two π -Conjugated Model Oligomers. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9379-9386.	2.1	7
14	What is the role of planarity and torsional freedom for aggregation in a π -conjugated donor-acceptor model oligomer?. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4944-4955.	2.7	11
15	Influence of π -Bromo Substitution on Structure and Optoelectronic Properties of Homopolymers and Gradient Copolymers of 3-Hexylthiophene. <i>Macromolecules</i> , 2020, 53, 2474-2484.	2.2	5
16	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.	5.2	37
17	Investigating the Tetragonal \leftrightarrow Orthorhombic Phase Transition of Methylammonium Lead Iodide Single Crystals by Detailed Photoluminescence Analysis. <i>Advanced Optical Materials</i> , 2020, 8, 2000455.	3.6	23
18	High Versatility and Stability of Mechanochemically Synthesized Halide Perovskite Powders for Optoelectronic Devices. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30259-30268.	4.0	47

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19	Direct observation of backbone planarization via side-chain alignment in single bulky-substituted polythiophenes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2699-2704.	3.3	42
20	Spin-Crossover Iron(II) Coordination Polymer with Fluorescent Properties: Correlation between Emission Properties and Spin State. Journal of the American Chemical Society, 2018, 140, 700-709.	6.6	169
21	The role of PbI_2 in $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite stability, solar cell parameters and device degradation. Physical Chemistry Chemical Physics, 2018, 20, 605-614.	1.3	135
22	Setup to Study the in Situ Evolution of Both Photoluminescence and Absorption during the Processing of Organic or Hybrid Semiconductors. Journal of Physical Chemistry A, 2018, 122, 9115-9122.	1.1	19
23	Impact of excess PbI_2 on the structure and the temperature dependent optical properties of methylammonium lead iodide perovskites. Journal of Materials Chemistry C, 2018, 6, 7512-7519.	2.7	54
24	Temperature Induced Order-Disorder Transition in Solutions of Conjugated Polymers Probed by Optical Spectroscopy. Journal of Physical Chemistry Letters, 2017, 8, 114-125.	2.1	153
25	Conjugated Polymers: Conjugated Donor Polymers: Structure Formation and Morphology in Solution, Bulk and Photovoltaic Blends (Adv. Energy Mater. 16/2017). Advanced Energy Materials, 2017, 7, .	10.2	0
26	Conjugated Donor Polymers: Structure Formation and Morphology in Solution, Bulk and Photovoltaic Blends. Advanced Energy Materials, 2017, 7, 1700314.	10.2	63
27	Impact of Structural Dynamics on the Optical Properties of Methylammonium Lead Iodide Perovskites. Advanced Energy Materials, 2017, 7, 1700286.	10.2	52
28	Compact Layers of Hybrid Halide Perovskites Fabricated via the Aerosol Deposition Process: Uncoupling Material Synthesis and Layer Formation. Materials, 2016, 9, 277.	1.3	22
29	The effect of intermolecular interaction on excited states in p -DTS(FBTTH2)2. Journal of Chemical Physics, 2016, 144, 074904.	1.2	14
30	Effect of Thermal and Structural Disorder on the Electronic Structure of Hybrid Perovskite Semiconductor $\text{CH}_3\text{NH}_3\text{PbI}_3$. Journal of Physical Chemistry Letters, 2016, 7, 3014-3021.	2.1	148
31	Reversible Laser-Induced Amplified Spontaneous Emission from Coexisting Tetragonal and Orthorhombic Phases in Hybrid Lead Halide Perovskites. Advanced Optical Materials, 2016, 4, 917-928.	3.6	40
32	Spectroscopic Signature of Two Distinct H-Aggregate Species in Poly(3-hexylthiophene). Macromolecules, 2015, 48, 1543-1553.	2.2	78
33	Relaxation dynamics and exciton energy transfer in the low-temperature phase of MEH-PPV. Journal of Chemical Physics, 2015, 142, 212429.	1.2	18
34	Ultrafast Energy Transfer between Disordered and Highly Planarized Chains of Poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene] (MEH-PPV). ACS Macro Letters, 2015, 4, 412-416.	2.3	24
35	The Impact of Polydispersity and Molecular Weight on the Order-Disorder Transition in Poly(3-hexylthiophene). Journal of Physical Chemistry Letters, 2014, 5, 2742-2747.	2.1	54
36	A Solvent free Route for Halide Perovskite Film Processing Based on Pressure Treatment of Perovskite Powders. , 0, , .		0

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37	A Solvent free Route for Halide Perovskite Film Processing Based on Pressure Treatment of Perovskite Powders. , 0, , .		0