Felix T Eickemeyer

List of Publications by Year in Descending Order

28 papers	2,548 citations	17 h-index	31 g-index
31 ext. papers	4,117 ext. citations	18.4 avg, IF	5.18 L-index

#	Paper	IF	Citations
28	Conformal quantum dot-SnO layers as electron transporters for efficient perovskite solar cells.. *Science*, **2022**, 375, 302-306	33.3	181
27	Efficient and Stable Large Bandgap MAPbBr3 Perovskite Solar Cell Attaining an Open Circuit Voltage of 1.65 V. *ACS Energy Letters*, **2022**, 7, 1112-1119	20.1	4
26	Ti1graphene single-atom material for improved energy level alignment in perovskite solar cells. *Nature Energy*, **2021**, 6, 1154-1163	62.3	14
25	Formation of High-Performance Multi-Cation Halide Perovskites Photovoltaics by CsPbI3/RbPbI3 Seed-Assisted Heterogeneous Nucleation. *Advanced Energy Materials*, **2021**, 11, 2003785	21.8	14
24	A molecular photosensitizer achieves a V of 1.24 V enabling highly efficient and stable dye-sensitized solar cells with copper(II/I)-based electrolyte. *Nature Communications*, **2021**, 12, 1777	17.4	67
23	Pseudo-halide anion engineering for FAPbI perovskite solar cells. *Nature*, **2021**, 592, 381-385	50.4	814
22	Benzylammonium-Mediated Formamidinium Lead Iodide Perovskite Phase Stabilization for Photovoltaics. *Advanced Functional Materials*, **2021**, 31, 2101163	15.6	10
21	Cyclopentadiene-Based Hole-Transport Material for Cost-Reduced Stabilized Perovskite Solar Cells with Power Conversion Efficiencies Over 23%. *Advanced Energy Materials*, **2021**, 11, 2003953	21.8	4
20	Multimodal host-guest complexation for efficient and stable perovskite photovoltaics. *Nature Communications*, **2021**, 12, 3383	17.4	17
19	Flexible perovskite solar cells with simultaneously improved efficiency, operational stability, and mechanical reliability. *Joule*, **2021**, 5, 1587-1601	27.8	45
18	Low-Cost Dopant Additive-Free Hole-Transporting Material for a Robust Perovskite Solar Cell with Efficiency Exceeding 21%. *ACS Energy Letters*, **2021**, 6, 208-215	20.1	30
17	Synergistic Effect of Fluorinated Passivator and Hole Transport Dopant Enables Stable Perovskite Solar Cells with an Efficiency Near 24. *Journal of the American Chemical Society*, **2021**, 143, 3231-3237	16.4	73
16	Nanoscale interfacial engineering enables highly stable and efficient perovskite photovoltaics. *Energy and Environmental Science*, **2021**, 14, 5552-5562	35.4	20
15	Crown Ether Modulation Enables over 23% Efficient Formamidinium-Based Perovskite Solar Cells. *Journal of the American Chemical Society*, **2020**, 142, 19980-19991	16.4	72
14	Stabilization of Highly Efficient and Stable Phase-Pure FAPbI Perovskite Solar Cells by Molecularly Tailored 2D-Overlayers. *Angewandte Chemie - International Edition*, **2020**, 59, 15688-15694	16.4	115
13	High-Performance Lead-Free Solar Cells Based on Tin-Halide Perovskite Thin Films Functionalized by a Divalent Organic Cation. *ACS Energy Letters*, **2020**, 5, 2223-2230	20.1	60
12	Stabilization of Highly Efficient and Stable Phase-Pure FAPbI3 Perovskite Solar Cells by Molecularly Tailored 2D-Overlayers. *Angewandte Chemie*, **2020**, 132, 15818-15824	3.6	11

11	Vapor-assisted deposition of highly efficient, stable black-phase FAPbI perovskite solar cells. *Science*, **2020**, 370,	33.3	257
10	Zinc Phthalocyanine Conjugated Dimers as Efficient Dopant-Free Hole Transporting Materials in Perovskite Solar Cells. *ChemPhotoChem*, **2020**, 4, 307-314	3.3	14
9	Tailored Amphiphilic Molecular Mitigators for Stable Perovskite Solar Cells with 23.5% Efficiency. *Advanced Materials*, **2020**, 32, e1907757	24	178
8	Solution-Processed BiI Films with 1.1 eV Quasi-Fermi Level Splitting: The Role of Water, Temperature, and Solvent during Processing. *ACS Omega*, **2018**, 3, 12713-12721	3.9	15
7	Correlation between Photoluminescence and Carrier Transport and a Simple In Situ Passivation Method for High-Bandgap Hybrid Perovskites. *Journal of Physical Chemistry Letters*, **2017**, 8, 3289-3298	6.4	39
6	Photoinduced electron transfer from a terrylene dye to TiO2: Quantification of band edge shift effects. *Chemical Physics*, **2009**, 357, 124-131	2.3	16
5	A Broadly Absorbing Perylene Dye for Solid-State Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2009**, 113, 14595-14597	3.8	76
4	Perylenes as sensitizers in hybrid solar cells: how molecular size influences performance. *Journal of Materials Chemistry*, **2009**, 19, 5405		55
3	Ladder-Type Pentaphenylene Dyes for Dye-Sensitized Solar Cells. *Chemistry of Materials*, **2008**, 20, 1808-1815	9.8	118
2	Intramolecular Charge-Transfer Tuning of Perylenes: Spectroscopic Features and Performance in Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2007**, 111, 15137-15140	3.8	217
1	Methylammonium Triiodide for Defect Engineering of High-Efficiency Perovskite Solar Cells. *ACS Energy Letters*,3650-3660	20.1	8