

Katelyn P Goetz

List of Publications by Year in descending order

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33
papers

1,720
citations

516710

16
h-index

434195

31
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all docs

33
docs citations

33
times ranked

2617
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic single crystals of charge-transfer complexes: model systems for the study of donor/acceptor interactions. <i>Materials Horizons</i> , 2022, 9, 271-280.	12.2	10
2	Preserving the stoichiometry of triple-cation perovskites by carrier-gas-free antisolvent spraying. <i>Journal of Materials Chemistry A</i> , 2022, 10, 19743-19749.	10.3	6
3	The Challenge of Making the Same Device Twice in Perovskite Photovoltaics. <i>ACS Energy Letters</i> , 2022, 7, 1750-1757.	17.4	14
4	A general approach to high-efficiency perovskite solar cells by any antisolvent. <i>Nature Communications</i> , 2021, 12, 1878.	12.8	209
5	Effect of Antisolvent Application Rate on Film Formation and Photovoltaic Performance of Methylammonium-Free Perovskite Solar Cells. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100061.	5.8	13
6	Sustainability in Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 1-17.	8.0	53
7	Effect of Precursor Stoichiometry on the Performance and Stability of MAPbBr ₃ Photovoltaic Devices. <i>Energy Technology</i> , 2020, 8, 1900737.	3.8	16
8	Shining Light on the Photoluminescence Properties of Metal Halide Perovskites. <i>Advanced Functional Materials</i> , 2020, 30, 1910004.	14.9	101
9	AFM-IR and IR-SNOM for the Characterization of Small Molecule Organic Semiconductors. <i>Journal of Physical Chemistry C</i> , 2020, 124, 5331-5344.	3.1	29
10	Field-dependent charge transport in organic thin-film transistors: Impact of device structure and organic semiconductor microstructure. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	15
11	Effect of density of surface defects on photoluminescence properties in MAPbI ₃ perovskite films. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5285-5292.	5.5	57
12	Conductivity measurements of organic materials using field-effect transistors (FETs) and space-charge-limited current (SCLC) techniques. , 2019, , 453-487.		12
13	The effect of side-chain length on the microstructure and processing window of zone-cast naphthalene-based bispentalenes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13493-13501.	5.5	14
14	Gold-Catalyzed Facile Synthesis and Crystal Structures of Benzene-Naphthalene-Based Bispentalenes as Organic Semiconductors. <i>Chemistry - A European Journal</i> , 2019, 25, 216-220.	3.3	31
15	Temperature-dependent vibrational spectroscopy to study order-disorder transitions in charge transfer complexes. <i>AIP Advances</i> , 2018, 8, 025117.	1.3	2
16	Electronic properties and structure of single crystal perylene. <i>Organic Electronics</i> , 2018, 61, 157-163.	2.6	15
17	Reply to Comment on Polymorphism in the 1:1 Charge-Transfer Complex DBTTF-CNQ and Its Effects on Optical and Electronic Properties. <i>Advanced Electronic Materials</i> , 2017, 3, 1600521.	5.1	2
18	Electron-phonon coupling in anthracene-pyromellitic dianhydride. <i>Journal of Chemical Physics</i> , 2017, 146, 214705.	3.0	9

#	ARTICLE	IF	CITATIONS
19	Indacenodibenzothiophenes: synthesis, optoelectronic properties and materials applications of molecules with strong antiaromatic character. <i>Chemical Science</i> , 2016, 7, 5547-5558.	7.4	103
20	Polymorphism in the 1:1 Charge-Transfer Complex DBTTF-TCNQ and Its Effects on Optical and Electronic Properties. <i>Advanced Electronic Materials</i> , 2016, 2, 1600203.	5.1	83
21	Vibrational properties of organic donor-acceptor molecular crystals: Anthracene-pyromellitic-dianhydride (PMDA) as a case study. <i>Journal of Chemical Physics</i> , 2015, 143, 224503.	3.0	14
22	Quantitative analysis of the density of trap states at the semiconductor-dielectric interface in organic field-effect transistors. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	75
23	Temperature-Mediated Polymorphism in Molecular Crystals: The Impact on Crystal Packing and Charge Transport. <i>Chemistry of Materials</i> , 2015, 27, 112-118.	6.7	72
24	Polymorphism in the organic charge-transfer complex dibenzotetrathiafulvalene-7,7,8,8-tetracyanoquinodimethane (DBTTF-TCNQ) and its effect on optical and electrical properties (Presentation Recording). <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
25	Freezing-in orientational disorder induces crossover from thermally-activated to temperature-independent transport in organic semiconductors. <i>Nature Communications</i> , 2014, 5, 5642.	12.8	50
26	Low-temperature phase transitions in a soluble oligoacene and their effect on device performance and stability. <i>Applied Physics Letters</i> , 2014, 105, 083305.	3.3	10
27	Solvent-Dependent Stoichiometry in Perylene-7,7,8,8-Tetracyanoquinodimethane Charge Transfer Compound Single Crystals. <i>Crystal Growth and Design</i> , 2014, 14, 6376-6382.	3.0	58
28	The 1:1 charge-transfer complex dibenzotetrathiafulvalene-pyromellitic dianhydride (DBTTF-PMDA). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o844-o845.	0.2	2
29	Charge-transfer complexes: new perspectives on an old class of compounds. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3065-3076.	5.5	374
30	Charge Transport Properties of Perylene-TCNQ Crystals: The Effect of Stoichiometry. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24688-24696.	3.1	118
31	Isomerically Pure <i>syn</i> -Anthradithiophenes: Synthesis, Properties, and FET Performance. <i>Organic Letters</i> , 2012, 14, 3660-3663.	4.6	81
32	Effect of Acene Length on Electronic Properties in 5-, 6-, and 7-Ringed Heteroacenes. <i>Advanced Materials</i> , 2011, 23, 3698-3703.	21.0	65
33	Flip chip lamination to electrically contact organic single crystals on flexible substrates. <i>Applied Physics Letters</i> , 2011, 98, 163302.	3.3	7