

Laurence Lutsen

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

586
citations

840776

11
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

1056
citing authors

#	ARTICLE	IF	CITATIONS
1	Perspective on the application of continuous flow chemistry for polymer-based organic electronics. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1606-1616.	5.5	10
2	Tin-lead-metal halide perovskite solar cells with enhanced crystallinity and efficiency by addition of fluorinated long organic cation. <i>Applied Physics Reviews</i> , 2022, 9, .	11.3	13
3	Quasi-2D Hybrid Perovskite Formation Using Benzothieno[3,2 <i>b</i>]Benzothiophene (BTBT) Ammonium Cations: Substantial Cesium Lead(II) Iodide Black Phase Stabilization. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	9
4	Heavy-Atom-Free Bay-Substituted Perylene Diimide Donor-Acceptor Photosensitizers. <i>ChemPhysChem</i> , 2021, 22, 1488-1496.	2.1	11
5	Study on the Dynamics of Phase Formation and Degradation of 2D Layered Hybrid Perovskites and Low-dimensional Hybrids Containing Mono-functionalized Oligothiophene Cations. <i>ChemNanoMat</i> , 2021, 7, 1013-1019.	2.8	4
6	Directing the Self-Assembly of Conjugated Organic Ammonium Cations in Low-Dimensional Perovskites by Halide Substitution. <i>Chemistry of Materials</i> , 2021, 33, 5177-5188.	6.7	10
7	Light-Induced Charge Transfer in Two-Dimensional Hybrid Lead Halide Perovskites. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18317-18327.	3.1	8
8	Continuous Droplet Flow Synthesis of a Near-Infrared Responsive Push-Pull Copolymer toward Large Scale Implementation of Organic Photodetectors. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4373-4378.	4.4	4
9	Efficient and readily tuneable near-infrared photodetection up to 1500 nm enabled by thiadiazoloquinoxaline-based push-pull type conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2020, 8, 10098-10103.	5.5	43
10	Inducing Charge Separation in Solid-State Two-Dimensional Hybrid Perovskites through the Incorporation of Organic Charge-Transfer Complexes. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 824-830.	4.6	40
11	2D layered perovskite containing functionalised benzothieno-benzothiophene molecules: formation, degradation, optical properties and photoconductivity. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7181-7188.	5.5	17
12	Lead-Halide Perovskites Meet Donor-Acceptor Charge-Transfer Complexes. <i>Chemistry of Materials</i> , 2019, 31, 6880-6888.	6.7	36
13	All-polymer solar cells based on photostable bis(perylene diimide) acceptor polymers. <i>Solar Energy Materials and Solar Cells</i> , 2019, 196, 178-184.	6.2	10
14	Multi-layered hybrid perovskites templated with carbazole derivatives: optical properties, enhanced moisture stability and solar cell characteristics. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22899-22908.	10.3	42
15	Molecular weight tuning of low bandgap polymers by continuous flow chemistry: increasing the applicability of PffBT4T for organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18166-18175.	10.3	23
16	Synthesis of <i>N,N</i> -dialkyl-6,6-dibromoisoindigo derivatives by continuous flow. <i>Journal of Flow Chemistry</i> , 2015, 5, 201-209.	1.9	5
17	Continuous Flow Polymer Synthesis toward Reproducible Large-Scale Production for Efficient Bulk Heterojunction Organic Solar Cells. <i>ChemSusChem</i> , 2015, 8, 3228-3233.	6.8	48
18	Effect of molecular weight on morphology and photovoltaic properties in P3HT:PCBM solar cells. <i>Organic Electronics</i> , 2015, 21, 160-170.	2.6	40

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19	Enhanced open-circuit voltage in polymer solar cells by dithieno[3,2-b:2',3'-d]pyrrole N-acylation. Journal of Materials Chemistry A, 2014, 2, 7535-7545.	10.3	33
20	Life cycle analyses of organic photovoltaics: a review. Energy and Environmental Science, 2013, 6, 3136.	30.8	180