

Zachary A Lamport

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

583
citations

933447

10
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

962
citing authors

#	ARTICLE	IF	CITATIONS
1	Tutorial: Organic field-effect transistors: Materials, structure and operation. Journal of Applied Physics, 2018, 124, .	2.5	129
2	A simple and robust approach to reducing contact resistance in organic transistors. Nature Communications, 2018, 9, 5130.	12.8	96
3	Review of Gravimetric Sensing of Volatile Organic Compounds. ACS Sensors, 2020, 5, 1514-1534.	7.8	77
4	Quantitative analysis of the density of trap states at the semiconductor-dielectric interface in organic field-effect transistors. Applied Physics Letters, 2015, 107, .	3.3	75
5	Versatile Organic Transistors by Solution Processing. ChemPhysChem, 2015, 16, 1118-1132.	2.1	54
6	High carrier mobility in graphene doped using a monolayer of tungsten oxyselenide. Nature Electronics, 2021, 4, 731-739.	26.0	41
7	Molecular Rectifiers on Silicon: High Performance by Enhancing Top-Electrode/Molecule Coupling. ACS Applied Materials & Interfaces, 2019, 11, 18564-18570.	8.0	21
8	Organic Thin Film Transistors in Mechanical Sensors. Advanced Functional Materials, 2020, 30, 2004700.	14.9	21
9	Fluorinated benzalkylsilane molecular rectifiers. Scientific Reports, 2016, 6, 38092.	3.3	16
10	Field-dependent charge transport in organic thin-film transistors: Impact of device structure and organic semiconductor microstructure. Applied Physics Letters, 2019, 115, .	3.3	15
11	Resistance to Unwanted Photo-Oxidation of Multi-Acene Molecules. Journal of Organic Chemistry, 2020, 85, 12731-12739.	3.2	11
12	Organic thin films with charge-carrier mobility exceeding that of single crystals. Journal of Materials Chemistry C, 2017, 5, 10313-10319.	5.5	9
13	Ferrocenealkylsilane molecular rectifiers. Journal of Organometallic Chemistry, 2018, 856, 23-26.	1.8	7
14	Laser printed metal halide perovskites. JPhys Materials, 2020, 3, 034010.	4.2	5
15	Efficiency enhancement of organic thin-film phototransistors due to photoassisted charge injection. Applied Physics Letters, 2021, 119, 073302.	3.3	3
16	A laboratory course on information display technologies for remote learning. Journal of the Society for Information Display, 2021, 29, 852-858.	2.1	2