

Martin Seifrid

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,533
citations

471061

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476904

29
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32
all docs

32
docs citations

32
times ranked

2493
citing authors

#	ARTICLE	IF	CITATIONS
1	Sizes of pure and doped helium droplets from single shot x-ray imaging. <i>Journal of Chemical Physics</i> , 2022, 156, 041102.	1.2	3
2	Routescor: Punching the Ticket to More Efficient Materials Development. <i>ACS Central Science</i> , 2022, 8, 122-131.	5.3	8
3	Low Voltage Loss Organic Solar Cells Light the Way for Efficient Semitransparent Photovoltaics. <i>Solar Rrl</i> , 2022, 6, .	3.1	3
4	You Wouldn't Download a Molecule! Now, ChemSCAD Makes It Possible. <i>ACS Central Science</i> , 2021, 7, 228-230.	5.3	1
5	Microcrystal Electron Diffraction for Molecular Design of Functional Non-Fullerene Acceptor Structures. <i>Chemistry of Materials</i> , 2021, 33, 966-977.	3.2	12
6	Insight into the structures and dynamics of organic semiconductors through solid-state NMR spectroscopy. <i>Nature Reviews Materials</i> , 2020, 5, 910-930.	23.3	69
7	Robust Unipolar Electron Conduction Using an Ambipolar Polymer Semiconductor with Solution-Processable Blends. <i>Chemistry of Materials</i> , 2020, 32, 6831-6837.	3.2	2
8	Performance enhancement of conjugated polymer-small molecule-non fullerene ternary organic solar cells by tuning recombination kinetics and molecular ordering. <i>Solar Energy</i> , 2020, 201, 499-507.	2.9	21
9	Design of narrow bandgap non-fullerene acceptors for photovoltaic applications and investigation of non-geminate recombination dynamics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15175-15182.	2.7	50
10	Ambient Processable and Stable All-Polymer Organic Solar Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1806747.	7.8	111
11	Towards understanding the doping mechanism of organic semiconductors by Lewis acids. <i>Nature Materials</i> , 2019, 18, 1327-1334.	13.3	144
12	Atomic-Level Insight into the Postsynthesis Band Gap Engineering of a Lewis Base Polymer Using Lewis Acid Tris(pentafluorophenyl)borane. <i>Chemistry of Materials</i> , 2019, 31, 6715-6725.	3.2	35
13	Side-Chain Engineering of Nonfullerene Acceptors for Near-Infrared Organic Photodetectors and Photovoltaics. <i>ACS Energy Letters</i> , 2019, 4, 1401-1409.	8.8	182
14	Unifying Energetic Disorder from Charge Transport and Band Bending in Organic Semiconductors. <i>Advanced Functional Materials</i> , 2019, 29, 1901109.	7.8	62
15	High-k Fluoropolymer Gate Dielectric in Electrically Stable Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15821-15828.	4.0	23
16	Direct Observation of the Relationship between Molecular Topology and Bulk Morphology for a π -Conjugated Material. <i>Journal of the American Chemical Society</i> , 2019, 141, 5078-5082.	6.6	38
17	Impact of rotamer diversity on the self-assembly of nearly isostructural molecular semiconductors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 383-394.	5.2	18
18	Determining the Dielectric Constants of Organic Photovoltaic Materials Using Impedance Spectroscopy. <i>Advanced Functional Materials</i> , 2018, 28, 1801542.	7.8	98

#	ARTICLE	IF	CITATIONS
19	Kinetic Versus Thermodynamic Orientational Preferences for a Series of Isomorphous Molecular Semiconductors. ACS Omega, 2018, 3, 10198-10204.	1.6	15
20	Bandgap Narrowing in Non-Fullerene Acceptors: Single Atom Substitution Leads to High Optoelectronic Response Beyond 1000 nm. Advanced Energy Materials, 2018, 8, 1801212.	10.2	125
21	Design of Nonfullerene Acceptors with Near-Infrared Light Absorption Capabilities. Advanced Energy Materials, 2018, 8, 1801209.	10.2	95
22	Electrical Performance of a Molecular Organic Semiconductor under Thermal Stress. Advanced Materials, 2017, 29, 1605511.	11.1	20
23	Topological Transformation of π -Conjugated Molecules Reduces Resistance to Crystallization. Angewandte Chemie, 2017, 129, 9446-9449.	1.6	6
24	Topological Transformation of π -Conjugated Molecules Reduces Resistance to Crystallization. Angewandte Chemie - International Edition, 2017, 56, 9318-9321.	7.2	10
25	Antibacterial Narrow-Band-Gap Conjugated Oligoelectrolytes with High Photothermal Conversion Efficiency. Angewandte Chemie - International Edition, 2017, 56, 16063-16066.	7.2	92
26	Antibacterial Narrow-Band-Gap Conjugated Oligoelectrolytes with High Photothermal Conversion Efficiency. Angewandte Chemie, 2017, 129, 16279-16282.	1.6	9
27	Linear Conjugated Polymer Backbones Improve Alignment in Nanogroove-Assisted Organic Field-Effect Transistors. Journal of the American Chemical Society, 2017, 139, 17624-17631.	6.6	72
28	Synthesis and characterization of phosphorescent platinum and iridium complexes with cyclometalated corannulene. Dalton Transactions, 2015, 44, 8456-8466.	1.6	10
29	Shapes and vorticities of superfluid helium nanodroplets. Science, 2014, 345, 906-909.	6.0	197
30	Microcrystal Electron Diffraction for Molecular Design of Functional Non-Fullerene Acceptor Structures. , 0, , .		0