

Martin Seifrid

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/113874/publications.pdf>

Version: 2024-02-01

30
papers

1,533
citations

471509

17
h-index

477307

29
g-index

32
all docs

32
docs citations

32
times ranked

2493
citing authors

#	ARTICLE	IF	CITATIONS
1	Shapes and vorticities of superfluid helium nanodroplets. <i>Science</i> , 2014, 345, 906-909.	12.6	197
2	Side-Chain Engineering of Nonfullerene Acceptors for Near-Infrared Organic Photodetectors and Photovoltaics. <i>ACS Energy Letters</i> , 2019, 4, 1401-1409.	17.4	182
3	Towards understanding the doping mechanism of organic semiconductors by Lewis acids. <i>Nature Materials</i> , 2019, 18, 1327-1334.	27.5	144
4	Bandgap Narrowing in Nonfullerene Acceptors: Single Atom Substitution Leads to High Optoelectronic Response Beyond 1000 nm. <i>Advanced Energy Materials</i> , 2018, 8, 1801212.	19.5	125
5	Ambient Processable and Stable All-Polymer Organic Solar Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1806747.	14.9	111
6	Determining the Dielectric Constants of Organic Photovoltaic Materials Using Impedance Spectroscopy. <i>Advanced Functional Materials</i> , 2018, 28, 1801542.	14.9	98
7	Design of Nonfullerene Acceptors with Near-Infrared Light Absorption Capabilities. <i>Advanced Energy Materials</i> , 2018, 8, 1801209.	19.5	95
8	Antibacterial Narrow-Band-Gap Conjugated Oligoelectrolytes with High Photothermal Conversion Efficiency. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16063-16066.	13.8	92
9	Linear Conjugated Polymer Backbones Improve Alignment in Nanogroove-Assisted Organic Field-Effect Transistors. <i>Journal of the American Chemical Society</i> , 2017, 139, 17624-17631.	13.7	72
10	Insight into the structures and dynamics of organic semiconductors through solid-state NMR spectroscopy. <i>Nature Reviews Materials</i> , 2020, 5, 910-930.	48.7	69
11	Unifying Energetic Disorder from Charge Transport and Band Bending in Organic Semiconductors. <i>Advanced Functional Materials</i> , 2019, 29, 1901109.	14.9	62
12	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.	5.5	50
13	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.	13.7	38
14	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.	6.7	35
15	High- k Fluoropolymer Gate Dielectric in Electrically Stable Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15821-15828.	8.0	23
16	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.	6.1	21
17	Electrical Performance of a Molecular Organic Semiconductor under Thermal Stress. <i>Advanced Materials</i> , 2017, 29, 1605511.	21.0	20
18	Impact of rotamer diversity on the self-assembly of nearly isostructural molecular semiconductors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 383-394.	10.3	18

#	ARTICLE	IF	CITATIONS
19	Kinetic Versus Thermodynamic Orientational Preferences for a Series of Isomorphous Molecular Semiconductors. ACS Omega, 2018, 3, 10198-10204.	3.5	15
20	Microcrystal Electron Diffraction for Molecular Design of Functional Non-Fullerene Acceptor Structures. Chemistry of Materials, 2021, 33, 966-977.	6.7	12
21	Synthesis and characterization of phosphorescent platinum and iridium complexes with cyclometalated corannulene. Dalton Transactions, 2015, 44, 8456-8466.	3.3	10
22	Topological Transformation of π -Conjugated Molecules Reduces Resistance to Crystallization. Angewandte Chemie - International Edition, 2017, 56, 9318-9321.	13.8	10
23	Antibacterial Narrow-Band Gap Conjugated Oligoelectrolytes with High Photothermal Conversion Efficiency. Angewandte Chemie, 2017, 129, 16279-16282.	2.0	9
24	Routescor: Punching the Ticket to More Efficient Materials Development. ACS Central Science, 2022, 8, 122-131.	11.3	8
25	Topological Transformation of π -Conjugated Molecules Reduces Resistance to Crystallization. Angewandte Chemie, 2017, 129, 9446-9449.	2.0	6
26	Sizes of pure and doped helium droplets from single shot x-ray imaging. Journal of Chemical Physics, 2022, 156, 041102.	3.0	3
27	Low Voltage-Loss Organic Solar Cells Light the Way for Efficient Semitransparent Photovoltaics. Solar Rrl, 2022, 6, .	5.8	3
28	Robust Unipolar Electron Conduction Using an Ambipolar Polymer Semiconductor with Solution-Processable Blends. Chemistry of Materials, 2020, 32, 6831-6837.	6.7	2
29	You Wouldn't Download a Molecule! Now, ChemSCAD Makes It Possible. ACS Central Science, 2021, 7, 228-230.	11.3	1
30	Microcrystal Electron Diffraction for Molecular Design of Functional Non-Fullerene Acceptor Structures. , 0, , .		0