

Simil Thomas

List of Publications by Year in descending order

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25
papers

929
citations

471509

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25
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docs citations

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times ranked

1546
citing authors

#	ARTICLE	IF	CITATIONS
1	Thieno[3,4- <i>c</i>]pyrrole-4,6-dione-3,4-difluorothiophene Polymer Acceptors for Efficient All-Polymer Bulk Heterojunction Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12996-13000.	13.8	129
2	Electronic Structure of Two-Dimensional π -Conjugated Covalent Organic Frameworks. <i>Chemistry of Materials</i> , 2019, 31, 3051-3065.	6.7	105
3	Unipolar Electron Transport Polymers: A Thiazole Based All-Electron Acceptor Approach. <i>Chemistry of Materials</i> , 2016, 28, 6045-6049.	6.7	85
4	Thieno[3,4- <i>c</i>]Pyrrole-4,6-Dione-Based Polymer Acceptors for High Open-Circuit Voltage All-Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1602574.	19.5	77
5	Isoindigo-3,4-difluorothiophene Polymer Acceptors Yield \approx All-Polymer-Bulk-Heterojunction Solar Cells with over 7% Efficiency. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 531-535.	13.8	63
6	Design and synthesis of two-dimensional covalent organic frameworks with four-arm cores: prediction of remarkable ambipolar charge-transport properties. <i>Materials Horizons</i> , 2019, 6, 1868-1876.	12.2	62
7	Controllable n -Type Doping on CVD-Grown Single- and Double-Layer Graphene Mixture. <i>Advanced Materials</i> , 2015, 27, 1619-1623.	21.0	43
8	Emergence of an Antiferromagnetic Mott Insulating Phase in Hexagonal π -Conjugated Covalent Organic Frameworks. <i>Advanced Materials</i> , 2019, 31, e1900355.	21.0	37
9	In Search of a Two-Dimensional Material for DNA Sequencing. <i>Journal of Physical Chemistry C</i> , 2014, 118, 10855-10858.	3.1	36
10	A Thiazole-Naphthalene Diimide Based n -Channel Donor-Acceptor Conjugated Polymer. <i>Macromolecules</i> , 2018, 51, 7320-7328.	4.8	35
11	Revealing the Local Electronic Structure of a Single-Layer Covalent Organic Framework through Electronic Decoupling. <i>Nano Letters</i> , 2020, 20, 963-970.	9.1	28
12	Thieno[3,4- <i>c</i>]pyrrole-4,6-dione-3,4-difluorothiophene Polymer Acceptors for Efficient All-Polymer Bulk Heterojunction Solar Cells. <i>Angewandte Chemie</i> , 2016, 128, 13190-13194.	2.0	27
13	Synergistic Use of Bithiazole and Pyridinyl Substitution for Effective Electron Transport Polymer Materials. <i>Chemistry of Materials</i> , 2019, 31, 3957-3966.	6.7	26
14	Electronically Coupled 2D Polymer/MoS ₂ Heterostructures. <i>Journal of the American Chemical Society</i> , 2020, 142, 21131-21139.	13.7	25
15	Pathway Complexity in the Stacking of Imine-Linked Macrocycles Related to Two-Dimensional Covalent Organic Frameworks. <i>Chemistry of Materials</i> , 2019, 31, 7104-7111.	6.7	22
16	Linear and Nonlinear Optical Properties of Expanded Porphyrins: A DMRG Study. <i>Journal of Physical Chemistry A</i> , 2013, 117, 7804-7809.	2.5	21
17	Improving the Stability of Organic Semiconductors: Distortion Energy versus Aromaticity in Substituted Bistetracene. <i>Chemistry of Materials</i> , 2016, 28, 8504-8512.	6.7	19
18	Fused azulenes as possible organic multiferroics. <i>Physical Review B</i> , 2012, 86, .	3.2	18

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19	Efficient Electron Mobility in an All-Acceptor Naphthalenediimide-Bithiazole Polymer Semiconductor with Large Backbone Torsion. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40070-40077.	8.0	16
20	Linear and nonlinear optical properties of indeno[2,1-b]fluorene and its structural isomers. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 24592-24597.	2.8	14
21	Isindigo-3,4-difluorothiophene Polymer Acceptors Yield All-Polymer-Bulk Heterojunction Solar Cells with over 7% Efficiency. <i>Angewandte Chemie</i> , 2018, 130, 540-544.	2.0	13
22	Short Excited-State Lifetimes Enable Photo-Oxidatively Stable Rubrene Derivatives. <i>Journal of Physical Chemistry A</i> , 2019, 123, 7558-7566.	2.5	11
23	Efficient density matrix renormalization group algorithm to study Y junctions with integer and half-integer spin. <i>Physical Review B</i> , 2016, 93, .	3.2	8
24	Nonlinear Optical Properties of Stacked Conjugated Systems. <i>Crystal Growth and Design</i> , 2011, 11, 1846-1854.	3.0	5
25	A Comparative Study of Aromaticity in Substituted Tetracyclic and Hexacyclic Thiophenes. <i>Journal of Physical Chemistry A</i> , 2010, 114, 5940-5946.	2.5	3