

# Simil Thomas

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6257025/publications.pdf>

Version: 2024-02-01

25  
papers

929  
citations

471509

17  
h-index

580821

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1546  
citing authors

#	ARTICLE	IF	CITATIONS
1	Revealing the Local Electronic Structure of a Single-Layer Covalent Organic Framework through Electronic Decoupling. Nano Letters, 2020, 20, 963-970.	9.1	28
2	Electronically Coupled 2D Polymer/MoS <sub>2</sub> Heterostructures. Journal of the American Chemical Society, 2020, 142, 21131-21139.	13.7	25
3	Pathway Complexity in the Stacking of Imine-Linked Macrocycles Related to Two-Dimensional Covalent Organic Frameworks. Chemistry of Materials, 2019, 31, 7104-7111.	6.7	22
4	Short Excited-State Lifetimes Enable Photo-Oxidatively Stable Rubrene Derivatives. Journal of Physical Chemistry A, 2019, 123, 7558-7566.	2.5	11
5	Design and synthesis of two-dimensional covalent organic frameworks with four-arm cores: prediction of remarkable ambipolar charge-transport properties. Materials Horizons, 2019, 6, 1868-1876.	12.2	62
6	Synergistic Use of Bithiazole and Pyridinyl Substitution for Effective Electron Transport Polymer Materials. Chemistry of Materials, 2019, 31, 3957-3966.	6.7	26
7	Emergence of an Antiferromagnetic Mott Insulating Phase in Hexagonal $\pi$ -Conjugated Covalent Organic Frameworks. Advanced Materials, 2019, 31, e1900355.	21.0	37
8	Electronic Structure of Two-Dimensional $\pi$ -Conjugated Covalent Organic Frameworks. Chemistry of Materials, 2019, 31, 3051-3065.	6.7	105
9	Isoindigo $\pi$ -3,4-difluorothiophene Polymer Acceptors Yield $\pi$ -All-Polymer-Bulk Heterojunction Solar Cells with over 7% Efficiency. Angewandte Chemie - International Edition, 2018, 57, 531-535.	13.8	63
10	Isoindigo $\pi$ -3,4-difluorothiophene Polymer Acceptors Yield $\pi$ -All-Polymer-Bulk Heterojunction Solar Cells with over 7% Efficiency. Angewandte Chemie, 2018, 130, 540-544.	2.0	13
11	Efficient Electron Mobility in an All-Acceptor Naphthalenediimide-Bithiazole Polymer Semiconductor with Large Backbone Torsion. ACS Applied Materials & Interfaces, 2018, 10, 40070-40077.	8.0	16
12	A Thiazole-Naphthalene Diimide Based n-Channel Donor-Acceptor Conjugated Polymer. Macromolecules, 2018, 51, 7320-7328.	4.8	35
13	Thieno[3,4 <i>c</i> ]pyrrole $\pi$ -4,6-dione $\pi$ -3,4-difluorothiophene Polymer Acceptors for High Open-Circuit Voltage All-Polymer Solar Cells. Advanced Energy Materials, 2017, 7, 1602574.	19.5	77
14	Unipolar Electron Transport Polymers: A Thiazole Based All-Electron Acceptor Approach. Chemistry of Materials, 2016, 28, 6045-6049.	6.7	85
15	Thieno[3,4 <i>c</i> ]pyrrole $\pi$ -4,6-dione $\pi$ -3,4-difluorothiophene Polymer Acceptors for Efficient All-Polymer Bulk Heterojunction Solar Cells. Angewandte Chemie - International Edition, 2016, 55, 12996-13000.	13.8	129
16	Thieno[3,4 <i>c</i> ]pyrrole $\pi$ -4,6-dione $\pi$ -3,4-difluorothiophene Polymer Acceptors for Efficient All-Polymer Bulk Heterojunction Solar Cells. Angewandte Chemie, 2016, 128, 13190-13194.	2.0	27
17	Efficient density matrix renormalization group algorithm to study Y junctions with integer and half-integer spin. Physical Review B, 2016, 93, .	3.2	8
18	Improving the Stability of Organic Semiconductors: Distortion Energy versus Aromaticity in Substituted Bistetracene. Chemistry of Materials, 2016, 28, 8504-8512.	6.7	19

#	ARTICLE	IF	CITATIONS
19	Controllable n-type Doping on CVD-Grown Single- and Double-Layer Graphene Mixture. <i>Advanced Materials</i> , 2015, 27, 1619-1623.	21.0	43
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	In Search of a Two-Dimensional Material for DNA Sequencing. <i>Journal of Physical Chemistry C</i> , 2014, 118, 10855-10858.	3.1	36
22	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
23	Fused azulenes as possible organic multiferroics. <i>Physical Review B</i> , 2012, 86, .	3.2	18
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