

Mitsuharu Suzuki

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2452475/publications.pdf>

Version: 2024-02-01

75
papers

1,546
citations

430874

18
h-index

330143

37
g-index

79
all docs

79
docs citations

79
times ranked

2560
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Organic Frameworks with Precisely Designed Interior for Carbon Dioxide Capture in the Presence of Water. <i>Journal of the American Chemical Society</i> , 2014, 136, 8863-8866.	13.7	369
2	Seven Post-synthetic Covalent Reactions in Tandem Leading to Enzyme-like Complexity within Metal-Organic Framework Crystals. <i>Journal of the American Chemical Society</i> , 2016, 138, 8352-8355.	13.7	186
3	Rewritable Multilevel Memory Performance of a Tetraazatetracene Donor-Acceptor Derivative with Good Endurance. <i>Chemistry - an Asian Journal</i> , 2015, 10, 116-119.	3.3	65
4	Synthesis and photoreactivity of β -diketone-type precursors of acenes and their use in organic-device fabrication. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2014, 18, 50-70.	11.6	62
5	An Azulene-Fused Tetracene Diimide with a Small HOMO-LUMO Gap. <i>ChemPlusChem</i> , 2017, 82, 1010-1014.	2.8	45
6	Directing the Crystallization of Dehydro[24]annulenes into Supramolecular Nanotubular Scaffolds. <i>Journal of the American Chemical Society</i> , 2016, 138, 5939-5956.	13.7	37
7	Complexes of Gold(I), Silver(I), and Copper(I) with Pentaaryl[60]fullerides. <i>Journal of the American Chemical Society</i> , 2011, 133, 6841-6851.	13.7	36
8	Nanochannel Array within a Multilayered Network of a Planarized Dehydro[24]annulene. <i>Organic Letters</i> , 2010, 12, 2346-2349.	4.6	34
9	High-fidelity self-assembly pathways for hydrogen-bonding molecular semiconductors. <i>Scientific Reports</i> , 2017, 7, 43098.	3.3	34
10	Synthesis and electropolymerization of fullerene-terthiophene dyads. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 2624-2625.	2.8	33
11	Direct comparison of a covalently-linked dyad and a 1:1 mixture of tetrabenzoporphyrin and fullerene as organic photovoltaic materials. <i>Chemical Communications</i> , 2014, 50, 10379.	4.1	33
12	Side-chain engineering in a thermal precursor approach for efficient photocurrent generation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14003-14011.	10.3	29
13	Tetrabenzoperipentacene: Stable Five-Electron Donating Ability and a Discrete Triple-Layered β -Graphite Form in the Solid State. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8175-8178.	13.8	28
14	An Anomalous Antiaromaticity That Arises from the Cycloheptatrienyl Anion Equivalent. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4508-4511.	2.4	28
15	Structure of the Hydration Product of the C60-Di(2-pyridyl)-1,2,4,5-tetrazine Adduct. <i>Bulletin of the Chemical Society of Japan</i> , 2003, 76, 1669-1672.	3.2	27
16	An Optically and Thermally Switchable Electronic Structure Based on an Anthracene-BODIPY Conjugate. <i>Chemistry - A European Journal</i> , 2015, 21, 4966-4974.	3.3	26
17	Synthesis and Morphological Control of Organic Semiconducting Materials Using the Precursor Approach. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 1234-1267.	3.2	26
18	Photoprecursor approach as an effective means for preparing multilayer organic semiconducting thin films by solution processes. <i>Scientific Reports</i> , 2014, 4, 7151.	3.3	25

#	ARTICLE	IF	CITATIONS
19	Semiconducting π -Extended Tetrathiafulvalene Derivatives. <i>Chemistry - A European Journal</i> , 2018, 24, 18601-18612.	3.3	19
20	Aromaticity Relocation in Perylene Derivatives upon Two-Electron Oxidation To Form Anthracene and Phenanthrene. <i>Chemistry - A European Journal</i> , 2016, 22, 14462-14466.	3.3	18
21	Solution-processed anthradithiophene-PCBM π -n junction photovoltaic cells fabricated by using the photoprecursor method. <i>Chemical Communications</i> , 2013, 49, 11638.	4.1	17
22	Synthesis and Electrochemical Properties of Porphycene-Diketopyrrolopyrrole Conjugates. <i>Organic Letters</i> , 2014, 16, 3508-3511.	4.6	17
23	A laterally π -expanded fluorone dye as an efficient near infrared fluorophore. <i>Chemical Communications</i> , 2016, 52, 4872-4875.	4.1	17
24	Torsional chirality generation based on cyclic oligomers constructed from an odd number of pyrenes. <i>Chemical Communications</i> , 2019, 55, 9618-9621.	4.1	17
25	9,9- π^2 -Anthryl-anthroxyl radicals: strategic stabilization of highly reactive phenoxy radicals. <i>Chemical Communications</i> , 2015, 51, 6734-6737.	4.1	16
26	Engineering Thin Films of a Tetrabenzoporphyrin toward Efficient Charge-Carrier Transport: Selective Formation of a Brickwork Motif. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8211-8218.	8.0	16
27	A kinetically protected pyrene: molecular design, bright blue emission in the crystalline state and aromaticity relocation in its dicationic species. <i>Chemical Communications</i> , 2014, 50, 10956-10958.	4.1	15
28	Evaluation of semiconducting molecular thin films solution-processed via the photoprecursor approach: the case of hexyl-substituted thienoanthracenes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5995-6005.	5.5	15
29	Fullerene-linked tetrabenzoporphyrins for solution-processed organic photovoltaics: flexible vs. rigid linkers. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15333-15342.	10.3	15
30	A photochemical layer-by-layer solution process for preparing organic semiconducting thin films having the right material at the right place. <i>Chemical Science</i> , 2018, 9, 6614-6621.	7.4	14
31	Tetrabenzoperipentacene: Stable Five-Electron Donating Ability and a Discrete Triple-Layered π -Graphite Form in the Solid State. <i>Angewandte Chemie</i> , 2015, 127, 8293-8296.	2.0	13
32	Effect of alkyl substituents: 5,15-bis(trimethylsilylethynyl)- vs. 5,15-bis(triisopropylsilylethynyl)-tetrabenzoporphyrins and their metal complexes. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015, 19, 465-478.	0.8	12
33	Self-Assembled Dehydro[24]annulene Monolayers at the Liquid/Solid Interface: Toward On-Surface Synthesis of Tubular π -Conjugated Nanowires. <i>Langmuir</i> , 2016, 32, 5532-5541.	3.5	12
34	Studies on Pyrene and Perylene Derivatives upon Oxidation and Application to a Higher Analogue. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 667-677.	3.2	12
35	A remarkably strained cyclopyrenylene trimer that undergoes metal-free direct oxygen insertion into the biaryl C-C σ -bond. <i>Chemical Science</i> , 2019, 10, 6785-6790.	7.4	12
36	Bisanthra-thianthrene: synthesis, structure and oxidation properties. <i>RSC Advances</i> , 2016, 6, 70700-70703.	3.6	11

#	ARTICLE	IF	CITATIONS
37	Photoprecursor Approach Enables Preparation of Well-Performing Bulk-Heterojunction Layers Comprising a Highly Aggregating Molecular Semiconductor. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8644-8651.	8.0	11
38	Fullerene-Based n-Type Materials That Can Be Processed by a Photoprecursor Approach for Photovoltaic Applications. <i>ECS Journal of Solid State Science and Technology</i> , 2017, 6, M3068-M3074.	1.8	10
39	Orbital-Energy Modulation of Tetrabenzoporphyrin-Derived Non-Fullerene Acceptors for Improved Open-Circuit Voltage in Organic Solar Cells. <i>Journal of Organic Chemistry</i> , 2020, 85, 168-178.	3.2	10
40	Highly anisotropic mobility in solution processed TIPS-pentacene film studied by independently driven four GaIn probes. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	9
41	Response to "The Seven-Membered Ring in Bis-Azuleno-Naphthalene is Non-Aromatic" <i>European Journal of Organic Chemistry</i> , 2019, 2019, 860-861.	2.4	9
42	Evaluation of the charge transfer efficiency of organic thin-film photovoltaic devices fabricated using a photoprecursor approach. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 883-890.	2.9	8
43	Dinaphthotetrathiafulvalene Bisimides: A New Member of the Family of "Extended TTF Stable p-Type Semiconductors. <i>Chemistry - A European Journal</i> , 2017, 23, 15002-15007.	3.3	8
44	Open-circuit-voltage shift of over 0.5 V in organic photovoltaic cells induced by a minor structural difference in alkyl substituents. <i>Chemical Science</i> , 2020, 11, 1825-1831.	7.4	8
45	Impact of substituents on the performance of small-molecule semiconductors in organic photovoltaic devices <i>via</i> regulating morphology. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1162-1195.	5.5	8
46	Transient Photocurrent Elucidating Carrier Dynamics and Potential of Bulk Heterojunction Solar Cells Fabricated by Thermal Precursor Approach. <i>Solar Rrl</i> , 2018, 2, 1700234.	5.8	7
47	Indolizino[5,6-b]quinoxaline Derivatives: Intramolecular Charge Transfer Characters and NIR Fluorescence. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2337-2341.	3.3	6
48	1,3-Phenylene-bridged naphthalene wheels synthesized by one-pot Suzuki-Miyaura coupling and the complex of the hexamer with C ₆₀ . <i>RSC Advances</i> , 2018, 8, 20872-20876.	3.6	6
49	Synthesis of Anthracene Derivatives with Azaacene-Containing Iptycene Wings and the Utilization as a Dopant for Solution-Processed Organic Light-Emitting Diodes. <i>Chemistry - A European Journal</i> , 2019, 25, 15565-15571.	3.3	6
50	Synthesis and Characterization of Dinaphtho[2,1-a:2,3-f]pentalene: A Stable Antiaromatic/Quinoidal Hydrocarbon Showing Appropriate Carrier Mobility in the Amorphous Layer. <i>Chemistry Letters</i> , 2022, 51, 325-329.	1.3	6
51	An Ethynylene-Bridged Pentacene Dimer: Two-Step Synthesis and Charge-Transport Properties. <i>Chemistry - A European Journal</i> , 2018, 24, 14916-14920.	3.3	5
52	High Vertical Carrier Mobilities of Organic Semiconductors Due to a Deposited Laid-Down Herringbone Structure Induced by a Reduced Graphene Oxide Template. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9489-9497.	8.0	5
53	Exploration of Alkyl Group Effects on the Molecular Packing of 5,15-Disubstituted Tetrabenzoporphyrins toward Efficient Charge-Carrier Transport. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32319-32329.	8.0	4
54	Porphycene dimer-based non-fullerene acceptor for organic solar cell. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016, 20, 1350-1360.	0.8	3

#	ARTICLE	IF	CITATIONS
55	Photoconversion of 6,13- β -diketopentacene single crystals exhibiting light intensity-dependent morphological change. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6348-6353.	2.8	3
56	Facilitated Interfacial Electronic Processes by the π -Stacked Edge-on Tetrabenzoporphyrin/Graphene Layer Enables Broadband Ultrasensitive Photodetecting with Prompt Response. <i>ACS Applied Electronic Materials</i> , 2020, 2, 3459-3467.	4.3	3
57	Dynamic behavior of photogenerated charge carriers in diketopyrrolopyrrole-linked tetrabenzoporphyrin-based bulk heterojunction thin films probed with time-resolved terahertz spectroscopy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 400, 112693.	3.9	3
58	Effect of the MIS structure with MgF_2 on CELIV measurements. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SDDB01.	1.5	3
59	Cross-conjugated isothianaphthene quinoids: a versatile strategy for controlling electronic structures. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4424-4433.	5.5	3
60	Performance Improvement with an Ultrathin p-Type Interfacial Layer in n-Type Vertical Organic Field-Effect Transistors Based on Reduced Graphene Oxide Electrode. <i>ACS Omega</i> , 2022, 7, 24468-24474.	3.5	3
61	Improvement in interlayer structure of n -type organic solar cells with the use of fullerene-linked tetrabenzoporphyrin as additive. <i>RSC Advances</i> , 2018, 8, 35237-35245.	3.6	2
62	Robust Unipolar Electron Conduction Using an Ambipolar Polymer Semiconductor with Solution-Processable Blends. <i>Chemistry of Materials</i> , 2020, 32, 6831-6837.	6.7	2
63	Dinaphthotetrathiafulvalene Bisimides: A New Member of the Family of π -Extended TTF Stable p-Type Semiconductors. <i>Chemistry - A European Journal</i> , 2017, 23, 14979-14979.	3.3	1
64	Retro-Diels-Alder Reaction on Surface: Generating Energy-Prohibited Structures in Bulk Film Condition through Surface-Adsorbing Neutralization Effect. <i>Journal of Physical Chemistry C</i> , 2020, 124, 5723-5733.	3.1	1
65	Nature of Local Charge Carrier Motions in Porphyrin-based Bulk Heterojunction Films Revealed by Time-resolved Optical Pump-terahertz Probe Spectroscopy. <i>Chemistry Letters</i> , 2021, 50, 1859-1862.	1.3	1
66	A Windmill-Shaped Molecule with Anthryl Blades to Form Smooth Hole-Transport Layers via a Photoprecursor Approach. <i>Materials</i> , 2020, 13, 2316.	2.9	1
67	Frontispiece: An Optically and Thermally Switchable Electronic Structure Based on an Anthracene-BODIPY Conjugate. <i>Chemistry - A European Journal</i> , 2015, 21, n/a-n/a.	3.3	0
68	Frontispiece: Aromaticity Relocation in Perylene Derivatives upon Two-Electron Oxidation To Form Anthracene and Phenanthrene. <i>Chemistry - A European Journal</i> , 2016, 22, .	3.3	0
69	Charge Carrier Dynamics in Bulk Heterojunction Organic Semiconductor by Optical-Pump Terahertz-Probe Spectroscopy. , 2018, , .		0
70	Ultrafast Charge Carrier Dynamics in Diketopyrrolopyrrole-Linked Tetrabenzoporphyrin Films Studied by Time-Resolved Terahertz Spectroscopy. , 2018, , .		0
71	Frontispiece: Semiconducting π -Extended Tetrathiafulvalene Derivatives. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0
72	Development and Application of Extended π -Conjugated Functional Materials for Solution-Processed Organic Devices. Yuki Gosei Kagaku Kyokaiishi/ <i>Journal of Synthetic Organic Chemistry</i> , 2015, 73, 1232-1244.	0.1	0

#	ARTICLE	IF	CITATIONS
73	â...j-2. Status of fisheries resources in Miyagi prefecture after the Great East Japan Earthquake. Nippon Suisan Gakkaishi, 2018, 84, 1111-1111.	0.1	0
74	â...j-1. Off the Pacific coast of northern Honshu. Nippon Suisan Gakkaishi, 2019, 85, 83-83.	0.1	0
75	Alkyl Substituent Engineering for Efficient Photoconversion Efficiency in Small Molecular Organic Photovoltaics., 2021, , .		0