Mitsuharu Suzuki

List of Publications by Year
in descending order

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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	Impact of substituents on the performance of small-molecule semiconductors in organic photovoltaic devices via regulating morphology. Journal of Materials Chemistry C, 2022, 10, 1162-1195.	5.5	8
2	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. Chemistry Letters, 2022, 51, 325-329.	1.3	6
3	Cross-conjugated isothianaphthene quinoids: a versatile strategy for controlling electronic structures. Journal of Materials Chemistry C, 2022, 10, 4424-4433.	5.5	3
4	Performance Improvement with an Ultrathin p-Type Interfacial Layer in n-Type Vertical Organic Field-Effect Transistors Based on Reduced Graphene Oxide Electrode. ACS Omega, 2022, 7, 24468-24474.	3.5	3
5	Exploration of Alkyl Group Effects on the Molecular Packing of 5,15-Disubstituted Tetrabenzoporphyrins toward Efficient Charge-Carrier Transport. ACS Applied Materials & Interfaces, 2022, 14, 32319-32329.	8.0	4
6	Nature of Local Charge Carrier Motions in Porphyrin-based Bulk Heterojunction Films Revealed by Time-resolved Optical Pump-terahertz Probe Spectroscopy. Chemistry Letters, 2021, 50, 1859-1862.	1.3	1
7	Alkyl Substituent Engineering for Efficient Photoconversion Efficiency in Small Molecular Organic Photovoltaics. , 2021, , .		0
8	Open-circuit-voltage shift of over 0.5 V in organic photovoltaic cells induced by a minor structural difference in alkyl substituents. Chemical Science, 2020, 11, 1825-1831.	7.4	8
9	Orbital-Energy Modulation of Tetrabenzoporphyrin-Derived Non-Fullerene Acceptors for Improved Open-Circuit Voltage in Organic Solar Cells. Journal of Organic Chemistry, 2020, 85, 168-178.	3.2	10
10	Facilitated Interfacial Electronic Processes by the Ï€â€“Ï€ Stacked Edge-on Tetrabenzoporphyrin/Graphene Layer Enables Broadband Ultrasensitive Photodetecting with Prompt Response. ACS Applied Electronic Materials, 2020, 2, 3459-3467.	4.3	3
11	Synthesis and Morphological Control of Organic Semiconducting Materials Using the Precursor Approach. Bulletin of the Chemical Society of Japan, 2020, 93, 1234-1267.	3.2	26
12	Robust Unipolar Electron Conduction Using an Ambipolar Polymer Semiconductor with Solution-Processable Blends. Chemistry of Materials, 2020, 32, 6831-6837.	6.7	2
13	Dynamic behavior of photogenerated charge carriers in diketopyrrolopyrrole-linked tetrabenzoporphyrin-based bulk heterojunction thin films probed with time-resolved terahertz spectroscopy. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 400, 112693.	3.9	3
14	High Vertical Carrier Mobilities of Organic Semiconductors Due to a Deposited Laid-Down Herringbone Structure Induced by a Reduced Graphene Oxide Template. ACS Applied Materials & Interfaces, 2020, 12, 9489-9497.	8.0	5
15	Retro-Dielsâ€“Alder Reaction on Surface: Generating Energy-Prohibited Structures in Bulk Film Condition through Surface-Adsorbing Neutralization Effect. Journal of Physical Chemistry C, 2020, 124, 5723-5733.	3.1	1
16	A Windmill-Shaped Molecule with Anthryl Blades to Form Smooth Hole-Transport Layers via a Photoprecursor Approach. Materials, 2020, 13, 2316.	2.9	1
17	Effect of the MIS structure with MgF₂ on CELIV measurements. Japanese Journal of Applied Physics, 2020, 59, SDDB01.	1.5	3
18	Torsional chirality generation based on cyclic oligomers constructed from an odd number of pyrenes. Chemical Communications, 2019, 55, 9618-9621.	4.1	17

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19	Synthesis of Anthracene Derivatives with Azaaceneâ€Containing Iptycene Wings and the Utilization as a Dopant for Solutionâ€Processed Organic Lightâ€Emitting Diodes. Chemistry - A European Journal, 2019, 25, 15565-15571.	3.3	6
20	Response to â€œThe Seven-Membered Ring in Bis-Azuleno-Naphthalene is Non-Aromaticâ€. European Journal of Organic Chemistry, 2019, 2019, 860-861.	2.4	9
21	Photoconversion of 6,13-Î±-diketopentacene single crystals exhibiting light intensity-dependent morphological change. Physical Chemistry Chemical Physics, 2019, 21, 6348-6353.	2.8	3
22	A remarkably strained cyclopyrenylene trimer that undergoes metal-free direct oxygen insertion into the biaryl Câ€“C Ïƒ-bond. Chemical Science, 2019, 10, 6785-6790.	7.4	12
23	â…¡-1. Off the Pacific coast of northern Honshu. Nippon Suisan Gakkaishi, 2019, 85, 83-83.	0.1	0
24	Transient Photocurrent Elucidating Carrier Dynamics and Potential of Bulk Heterojunction Solar Cells Fabricated by Thermal Precursor Approach. Solar Rrl, 2018, 2, 1700234.	5.8	7
25	Improvement in interlayer structure of pâ€“iâ€“n-type organic solar cells with the use of fullerene-linked tetrabenzoporphyrin as additive. RSC Advances, 2018, 8, 35237-35245.	3.6	2
26	Charge Carrier Dynamics in Bulk Heterojunction Organic Semiconductor by Optical-Pump Terahertz-Probe Spectroscopy. , 2018, , .		0
27	Ultrafast Charge Carrier Dynamics in Diketopyrrolopyrrole-Linked Tetrabenzoporphyrin Films Studied by Time-Resolved Terahertz Spectroscopy. , 2018, , .		0
28	Frontispiece: Semiconducting Ï€â€Extended Tetrathiafulvalene Derivatives. Chemistry - A European Journal, 2018, 24, .	3.3	0
29	An Anomalous Antiaromaticity That Arises from the Cycloheptatrienyl Anion Equivalent. European Journal of Organic Chemistry, 2018, 2018, 4508-4511.	2.4	28
30	Semiconducting Ï€â€Extended Tetrathiafulvalene Derivatives. Chemistry - A European Journal, 2018, 24, 18601-18612.	3.3	19
31	An Ethynyleneâ€Bridged Pentacene Dimer: Twoâ€Step Synthesis and Chargeâ€Transport Properties. Chemistry - A European Journal, 2018, 24, 14916-14920.	3.3	5
32	A photochemical layer-by-layer solution process for preparing organic semiconducting thin films having the right material at the right place. Chemical Science, 2018, 9, 6614-6621.	7.4	14
33	1,3-Phenylene-bridged naphthalene wheels synthesized by one-pot Suzukiâ€“Miyaura coupling and the complex of the hexamer with C₆₀. RSC Advances, 2018, 8, 20872-20876.	3.6	6
34	â…¡-2. Status of fisheries resources in Miyagi prefecture after the Great East Japan Earthquake. Nippon Suisan Gakkaishi, 2018, 84, 1111-1111.	0.1	0
35	High-fidelity self-assembly pathways for hydrogen-bonding molecular semiconductors. Scientific Reports, 2017, 7, 43098.	3.3	34
36	Studies on Pyrene and Perylene Derivatives upon Oxidation and Application to a Higher Analogue. Bulletin of the Chemical Society of Japan, 2017, 90, 667-677.	3.2	12

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37	Engineering Thin Films of a Tetrabenzoporphyrin toward Efficient Charge-Carrier Transport: Selective Formation of a Brickwork Motif. ACS Applied Materials & Interfaces, 2017, 9, 8211-8218.	8.0	16
38	Fullerene-Based n-Type Materials That Can Be Processed by a Photoprecursor Approach for Photovoltaic Applications. ECS Journal of Solid State Science and Technology, 2017, 6, M3068-M3074.	1.8	10
39	Side-chain engineering in a thermal precursor approach for efficient photocurrent generation. Journal of Materials Chemistry A, 2017, 5, 14003-14011.	10.3	29
40	Dinaphthotetrathiafulvalene Bisimides: A New Member of the Family of Ï€-Extended TTF Stable p-Type Semiconductors. Chemistry - A European Journal, 2017, 23, 14979-14979.	3.3	1
41	Highly anisotropic mobility in solution processed TIPS-pentacene film studied by independently driven four GaIn probes. Applied Physics Letters, 2017, 111, .	3.3	9
42	Dinaphthotetrathiafulvalene Bisimides: A New Member of the Family of Ï€â€Extended TTF Stable pâ€Type Semiconductors. Chemistry - A European Journal, 2017, 23, 15002-15007.	3.3	8
43	An Azuleneâ€Fused Tetracene Diimide with a Small HOMOâ€“LUMO Gap. ChemPlusChem, 2017, 82, 1010-1014.	2.8	45
44	Porphycene dimer-based non-fullerene acceptor for organic solar cell. Journal of Porphyrins and Phthalocyanines, 2016, 20, 1350-1360.	0.8	3
45	Self-Assembled Dehydro[24]annulene Monolayers at the Liquid/Solid Interface: Toward On-Surface Synthesis of Tubular Ï€-Conjugated Nanowires. Langmuir, 2016, 32, 5532-5541.	3.5	12
46	Directing the Crystallization of Dehydro[24]annulenes into Supramolecular Nanotubular Scaffolds. Journal of the American Chemical Society, 2016, 138, 5939-5956.	13.7	37
47	Frontispiece: Aromaticity Relocation in Perylene Derivatives upon Twoâ€Electron Oxidation To Form Anthracene and Phenanthrene. Chemistry - A European Journal, 2016, 22, .	3.3	0
48	Fullerene-linked tetrabenzoporphyrins for solution-processed organic photovoltaics: flexible vs. rigid linkers. Journal of Materials Chemistry A, 2016, 4, 15333-15342.	10.3	15
49	Bisanthra-thianthrene: synthesis, structure and oxidation properties. RSC Advances, 2016, 6, 70700-70703.	3.6	11
50	Aromaticity Relocation in Perylene Derivatives upon Twoâ€Electron Oxidation To Form Anthracene and Phenanthrene. Chemistry - A European Journal, 2016, 22, 14462-14466.	3.3	18
51	Seven Post-synthetic Covalent Reactions in Tandem Leading to Enzyme-like Complexity within Metalâ€“Organic Framework Crystals. Journal of the American Chemical Society, 2016, 138, 8352-8355.	13.7	186
52	Photoprecursor Approach Enables Preparation of Well-Performing Bulk-Heterojunction Layers Comprising a Highly Aggregating Molecular Semiconductor. ACS Applied Materials & Interfaces, 2016, 8, 8644-8651.	8.0	11
53	A laterally Ï€-expanded fluorone dye as an efficient near infrared fluorophore. Chemical Communications, 2016, 52, 4872-4875.	4.1	17
54	Tetrabenzoperipentacene: Stable Fiveâ€Electron Donating Ability and a Discrete Tripleâ€Layered Î²â€Graphite Form in the Solid State. Angewandte Chemie - International Edition, 2015, 54, 8175-8178.	13.8	28

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55	Indolizino[5,6-b]quinoxaline Derivatives: Intramolecular Charge Transfer Characters and NIR Fluorescence. Chemistry - an Asian Journal, 2015, 10, 2337-2341.	3.3	6
56	Frontispiece: An Optically and Thermally Switchable Electronic Structure Based on an Anthracene-BODIPY Conjugate. Chemistry - A European Journal, 2015, 21, n/a-n/a.	3.3	0
57	Tetrabenzoperipentacene: Stable Fiveâ€Electron Donating Ability and a Discrete Tripleâ€Layered Î²â€Graphite Form in the Solid State. Angewandte Chemie, 2015, 127, 8293-8296.	2.0	13
58	Evaluation of the charge transfer efficiency of organic thin-film photovoltaic devices fabricated using a photoprecursor approach. Photochemical and Photobiological Sciences, 2015, 14, 883-890.	2.9	8
59	Evaluation of semiconducting molecular thin films solution-processed via the photoprecursor approach: the case of hexyl-substituted thienoanthracenes. Journal of Materials Chemistry C, 2015, 3, 5995-6005.	5.5	15
60	An Optically and Thermally Switchable Electronic Structure Based on an Anthraceneâ€“BODIPY Conjugate. Chemistry - A European Journal, 2015, 21, 4966-4974.	3.3	26
61	Effect of alkyl substituents: 5,15-bis(trimethylsilylethynyl)- vs. 5,15-bis(triisopropylsilylethynyl)-tetrabenzoporphyrins and their metal complexes. Journal of Porphyrins and Phthalocyanines, 2015, 19, 465-478.	0.8	12
62	9,9â€²-Anthryl-anthroxyl radicals: strategic stabilization of highly reactive phenoxyl radicals. Chemical Communications, 2015, 51, 6734-6737.	4.1	16
63	Rewritable Multilevel Memory Performance of a Tetraazatetracene Donorâ€“Acceptor Derivative with Good Endurance. Chemistry - an Asian Journal, 2015, 10, 116-119.	3.3	65
64	Development and Application of Extended Ï€-Conjugated Functional Materials for Solution-Processed Organic Devices. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2015, 73, 1232-1244.	0.1	0
65	Synthesis and photoreactivity of Î±-diketone-type precursors of acenes and their use in organic-device fabrication. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2014, 18, 50-70.	11.6	62
66	Direct comparison of a covalently-linked dyad and a 1â€‰:â€‰1 mixture of tetrabenzoporphyrin and fullerene as organic photovoltaic materials. Chemical Communications, 2014, 50, 10379.	4.1	33
67	A kinetically protected pyrene: molecular design, bright blue emission in the crystalline state and aromaticity relocation in its dicationic species. Chemical Communications, 2014, 50, 10956-10958.	4.1	15
68	Synthesis and Electrochemical Properties of Porphyceneâ€“Diketopyrrolopyrrole Conjugates. Organic Letters, 2014, 16, 3508-3511.	4.6	17
69	Metalâ€“Organic Frameworks with Precisely Designed Interior for Carbon Dioxide Capture in the Presence of Water. Journal of the American Chemical Society, 2014, 136, 8863-8866.	13.7	369
70	Photoprecursor approach as an effective means for preparing multilayer organic semiconducting thin films by solution processes. Scientific Reports, 2014, 4, 7151.	3.3	25
71	Solution-processed anthradithiopheneâ€“PCBM pâ€“n junction photovoltaic cells fabricated by using the photoprecursor method. Chemical Communications, 2013, 49, 11638.	4.1	17
72	Complexes of Gold(I), Silver(I), and Copper(I) with Pentaaryl[60]fullerides. Journal of the American Chemical Society, 2011, 133, 6841-6851.	13.7	36

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73	Nanochannel Array within a Multilayered Network of a Planarized Dehydro[24]annulene. Organic Letters, 2010, 12, 2346-2349.	4.6	34
74	Synthesis and electropolymerization of fullereneâ€“terthiophene dyads. Organic and Biomolecular Chemistry, 2003, 1, 2624-2625.	2.8	33
75	Structure of the Hydration Product of the C60-Di(2-pyridyl)-1,2,4,5-tetrazine Adduct. Bulletin of the Chemical Society of Japan, 2003, 76, 1669-1672.	3.2	27