

Toshiyasu Suzuki

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Moderately Oxidizing Thioxanthylum Organophotoredox Catalysts for Radical-Cation Diels-Alder Reactions. <i>Journal of Organic Chemistry</i> , 2022, 87, 3319-3328.	1.7	6
2	Chiral Counteranion-Directed Catalytic Asymmetric Methylene Migration Reaction of Ene-Aldimines. <i>Journal of Organic Chemistry</i> , 2022, 87, 9399-9407.	1.7	2
3	Correlations between Substituent Effects and Catalytic Activities: A Quantitative Approach for the Development of Halogen-Bonding-Driven Anion-Binding Catalysts. <i>ChemPlusChem</i> , 2021, 86, 913-919.	1.3	5
4	Computational Studies on Reaction Mechanisms and Origin of Stereoselectivity in the [1,3]-Rearrangement of Ene-Aldimines. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 2205-2212.	1.3	3
5	Occupied and Unoccupied Levels of Half-Fluorinated and Perfluorinated Rubrene Thin Films Probed by One- and Two-Photon Photoemission. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12409-12416.	1.5	1
6	Brønsted Acid-Initiated Formal [1,3]-Rearrangement Dictated by β^2 -Substituted Ene-Aldimines. <i>Organic Letters</i> , 2019, 21, 4991-4995.	2.4	3
7	Widely Dispersed Intermolecular Valence Bands of Epitaxially Grown Perfluoropentacene on Pentacene Single Crystals. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1312-1318.	2.1	17
8	Perfluorinated and Half-Fluorinated Rubrenes: Synthesis and Crystal Packing Arrangements. <i>Journal of Organic Chemistry</i> , 2017, 82, 8111-8116.	1.7	23
9	Tetracyclo(2,7-carbazole)s: Diatropicity and Paratropicity of Inner Regions of Nanohoops. <i>Journal of Organic Chemistry</i> , 2016, 81, 3356-3363.	1.7	58
10	Ligand-Controlled Synthesis of [3]- and [4]Cyclo[9,9]dimethyl-2,7-fluorenes through Triangle- and Square-Shaped Platinum Intermediates. <i>Chemistry - A European Journal</i> , 2015, 21, 18939-18943.	1.7	48
11	Interface Dipole and Growth Mode of Partially and Fully Fluorinated Rubrene on Au(111) and Ag(111). <i>Journal of Physical Chemistry C</i> , 2015, 119, 6769-6776.	1.5	13
12	Synthesis, Characterization, and Properties of [4]Cyclo[2,7]pyrenylene: Effects of Cyclic Structure on the Electronic Properties of Pyrene Oligomers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6430-6434.	7.2	138
13	Synthesis, Characterization, and Properties of [4]Cyclo[2,7]pyrenylene: Effects of Cyclic Structure on the Electronic Properties of Pyrene Oligomers. <i>Angewandte Chemie</i> , 2014, 126, 6548-6552.	1.6	54
14	Synthesis and physical properties of a ball-like three-dimensional π -conjugated molecule. <i>Nature Communications</i> , 2013, 4, 2694.	5.8	139
15	Tetrabenzo[8]circulene: Aromatic Saddles from Negatively Curved Graphene. <i>Journal of the American Chemical Society</i> , 2013, 135, 14074-14077.	6.6	203
16	Experimental Reorganization Energies of Pentacene and Perfluoropentacene: Effects of Perfluorination. <i>Journal of Physical Chemistry C</i> , 2013, 117, 22428-22437.	1.5	53
17	Optical properties of fully and partially fluorinated rubrene in films and solution. <i>Applied Physics Letters</i> , 2013, 102, 013308.	1.5	21
18	Selective Synthesis of [6]-, [8]-, and [10]Cycloparaphenylenes. <i>Chemistry Letters</i> , 2013, 42, 621-623.	0.7	100

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19	Selective Synthesis and Crystal Structure of [10]Cycloparaphenylene. <i>Organic Letters</i> , 2012, 14, 3284-3287.	2.4	119
20	Selective and Random Syntheses of [n]Cycloparaphenylenes (n = 8–13) and Size Dependence of Their Electronic Properties. <i>Journal of the American Chemical Society</i> , 2011, 133, 8354-8361.	6.6	445
21	Effect of Fluorination on the Molecular Packing of Perfluoropentacene and Pentacene Ultrathin Films on Ag (111). <i>Journal of Physical Chemistry C</i> , 2010, 114, 9356-9361.	1.5	35
22	Impact of Perfluorination on the Charge-Transport Parameters of Oligoacene Crystals. <i>Journal of the American Chemical Society</i> , 2009, 131, 1502-1512.	6.6	174
23	Synthesis, Structure, and Transport Property of Perfluorinated Oligofluorenes. <i>Chemistry - A European Journal</i> , 2008, 14, 4472-4474.	1.7	21
24	High-mobility bottom-contact thin-film transistor based on anthracene oligomer. <i>Organic Electronics</i> , 2008, 9, 921-924.	1.4	28
25	Structure, morphology, and growth dynamics of perfluoropentacene thin films. <i>Physica Status Solidi - Rapid Research Letters</i> , 2008, 2, 120-122.	1.2	67
26	Adsorption-Induced Intramolecular Dipole: Correlating Molecular Conformation and Interface Electronic Structure. <i>Journal of the American Chemical Society</i> , 2008, 130, 7300-7304.	6.6	152
27	Structural Order in Perfluoropentacene Thin Films and Heterostructures with Pentacene. <i>Langmuir</i> , 2008, 24, 7294-7298.	1.6	85
28	Optical properties of pentacene and perfluoropentacene thin films. <i>Journal of Chemical Physics</i> , 2007, 127, 194705.	1.2	131
29	The Effect of Fluorination on Pentacene/Gold Interface Energetics and Charge Reorganization Energy. <i>Advanced Materials</i> , 2007, 19, 112-116.	11.1	139
30	Perfluorination of tetracene: effects on the optical gap and electron-acceptor properties. An electrochemical, theoretical DFT, and Raman spectroscopic study. , 2006, , .		3
31	Perfluoropentacene and Perfluorotetracene: Syntheses, Crystal Structures, and FET Characteristics. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 444, 225-232.	0.4	67
32	Organic Thin-Film Transistors with High Electron Mobility Based on Perfluoropentacene. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 3663-3668.	0.8	134
33	Highly Efficient Multifunctional Phosphorescent Dendrimers Consisting of an Iridium-Complex Core and Charge-Transporting Dendrons for Organic Light-Emitting Devices. <i>Materials Research Society Symposia Proceedings</i> , 2005, 871, 1.	0.1	1
34	Organic Light-Emitting Diodes Using Multifunctional Phosphorescent Dendrimers with Iridium-Complex Core and Charge-Transporting Dendrons. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 4151-4154.	0.8	54
35	Synthesis and Characterization of Three Novel Perfluoro-oligothiophenes Ranging in Length from the Trimer to the Pentamer. <i>Journal of Physical Chemistry B</i> , 2005, 109, 20737-20745.	1.2	16
36	Perfluoropentacene: High-Performance p-n Junctions and Complementary Circuits with Pentacene. <i>Journal of the American Chemical Society</i> , 2004, 126, 8138-8140.	6.6	695

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37	Organic thin-film transistors based on anthracene oligomers. <i>Journal of Applied Physics</i> , 2004, 95, 5795-5799.	1.1	38
38	Excited states of perfluorinated oligo(p-phenylene) by inner-shell excitation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 199, 265-269.	0.6	4
39	Color Tunable Organic Light-Emitting Diodes Using Pentafluorophenyl-Substituted Iridium Complexes. <i>Advanced Materials</i> , 2003, 15, 1455-1458.	11.1	260
40	Oligo(2,6-anthrylene)s: A Novel Approach for Organic Field-Effect Transistors. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1159-1162.	7.2	172
41	Properties and crystal structure of perfluoro-1,6-sexithiophene. <i>Synthetic Metals</i> , 2003, 133-134, 361-363.	2.1	14
42	A Novel Photorearrangement of a Cyclohexadiene Derivative of C60. <i>Organic Letters</i> , 2002, 4, 1217-1220.	2.4	25
43	Silylation of higher fullerenes Electronic supplementary information (ESI) available: Experimental Section. See http://www.rsc.org/suppdata/jm/b2/b201118b/ . <i>Journal of Materials Chemistry</i> , 2002, 12, 2061-2064.	6.7	23
44	Perfluoro-1,3,5-tris(p-oligophenyl)benzenes: Amorphous Electron-Transport Materials with High-Glass-Transition Temperature and High Electron Mobility. <i>Journal of Solid State Chemistry</i> , 2002, 168, 470-473.	1.4	11
45	Highly efficient phosphorescence from organic light-emitting devices with an exciton-block layer. <i>Applied Physics Letters</i> , 2001, 79, 156-158.	1.5	783
46	Photooxygenative partial ring cleavage of bis(fulleroid): synthesis of a novel fullerene derivative with a 12-membered ring. <i>Tetrahedron Letters</i> , 2001, 42, 895-897.	0.7	55
47	Tetradecafluorosexithiophene: The First Perfluorinated Oligothiophene. <i>Journal of the American Chemical Society</i> , 2001, 123, 4643-4644.	6.6	181
48	Isolation and characterization of two Pr@C82 isomers. <i>Chemical Physics Letters</i> , 2000, 319, 153-156.	1.2	102
49	Photochemical bis-silylation of C60: synthesis of a novel C60 main chain polysilane. <i>Journal of Organometallic Chemistry</i> , 2000, 611, 78-84.	0.8	15
50	Synthesis, Characterization, and Electron-Transport Property of Perfluorinated Phenylene Dendrimers. <i>Journal of the American Chemical Society</i> , 2000, 122, 1832-1833.	6.6	163
51	Perfluorinated Oligo(p-Phenylene)s: Efficient n-Type Semiconductors for Organic Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , 2000, 122, 10240-10241.	6.6	171
52	A First Photochemical Bis-germylation of C60 with Digermirane. <i>Organic Letters</i> , 2000, 2, 2671-2674.	2.4	27
53	Selective Intramolecular Oxyselenenylation of Olefinic Alcohols and Carboxylic Acids by Using Organic Cyanoselenides in the Presence of Metal Triflates. <i>Heterocycles</i> , 2000, 52, 621.	0.4	9
54	Photochemical Bissilylation of C60 with Disilane. <i>Journal of Organic Chemistry</i> , 1999, 64, 566-569.	1.7	57

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55	Electronic Properties of Fullerenes. <i>Molecular Crystals and Liquid Crystals</i> , 1997, 296, 357-364.	0.4	3
56	Chemical reactivities of endohedral metallofullerenes. <i>Journal of Physics and Chemistry of Solids</i> , 1997, 58, 1779-1783.	1.9	25
57	Preparation and structure of a novel methano[60]fullerene containing a stable P-ylid. <i>Tetrahedron Letters</i> , 1997, 38, 3529-3530.	0.7	26
58	Quinone-Type Methanofullerene Acceptors: Precursors for Organic Metals. <i>Journal of Organic Chemistry</i> , 1996, 61, 1306-1309.	1.7	67
59	The Synthesis of 10-[Spiro[6,6]C60]-Anthrone: A Microscale Reaction of Fullerene. <i>Journal of Chemical Education</i> , 1996, 73, A105.	1.1	2
60	Electrochemical properties of fulleranolanthanides. <i>Tetrahedron</i> , 1996, 52, 4973-4982.	1.0	142
61	Elektrochemische und ab initio Untersuchung des Dimetallofullerens La ₂ @C ₈₀ . <i>Angewandte Chemie</i> , 1995, 107, 1228-1230.	1.6	38
62	Synthese der ersten Addukte der Dimetallofullerene La ₂ @C ₈₀ und Sc ₂ @C ₈₄ durch Addition eines Disilirans. <i>Angewandte Chemie</i> , 1995, 107, 2303-2304.	1.6	20
63	Electrochemistry and Ab Initio Study of the Dimetallofullerene La ₂ @C ₈₀ . <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1094-1096.	4.4	138
64	Electrochemical Evidence for Through-Space Orbital Interactions in Spiromethanofullerenes. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1591-1594.	4.4	92
65	Synthesis of the First Adducts of the Dimetallofullerenes La ₂ @C ₈₀ and Sc ₂ @C ₈₄ by Addition of a Disilirane. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 2139-2141.	4.4	100
66	Magnetic and electrical behaviors of C ₆₀ (TDAE) single crystal. <i>Solid State Communications</i> , 1995, 96, 253-257.	0.9	14
67	Chemical Reactivity of a Metallofullerene: EPR Study of Diphenylmethano-La@C ₈₂ Radicals. <i>Journal of the American Chemical Society</i> , 1995, 117, 9606-9607.	6.6	66
68	Electrochemical properties of fulleranolanthanides. <i>Synthetic Metals</i> , 1995, 70, 1443-1446.	2.1	15
69	Exohedral derivatization of an endohedral metallofullerene Gd@C ₈₂ . <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 1343.	2.0	86
70	Stereoselective Cyclization of 4-Substituted 5-Hexenols and Related Compounds by Benzeneselenenyl Triflate. <i>Liebigs Annalen Der Chemie</i> , 1994, 1994, 901-909.	0.8	8
71	Evidence of spontaneous magnetic order in the C ₆₀ complex with tetrakis (dimethylamino) ethylene. <i>Chemical Physics Letters</i> , 1994, 223, 517-520.	1.2	39
72	Redox Properties of Organofullerenes. <i>Journal of the American Chemical Society</i> , 1994, 116, 1359-1363.	6.6	232

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73	Isolation and Characterization of an ESR-Active La@C82 Isomer. The Journal of Physical Chemistry, 1994, 98, 12831-12833.	2.9	105
74	Characterization of the Isolated Y@C82. Journal of the American Chemical Society, 1994, 116, 9367-9368.	6.6	119
75	Isolation and Characterization of Two ESR-Active La@C82 Isomers. Materials Research Society Symposia Proceedings, 1994, 359, 137.	0.1	1
76	Energetic preference in 5,6 and 6,6 ring junction adducts of C60: fulleroids and methanofullerenes. Journal of the American Chemical Society, 1993, 115, 8479-8480.	6.6	151
77	[3 + 2] and [4 + 2] Cycloadditions of fullerene C60. Journal of the American Chemical Society, 1993, 115, 1594-1595.	6.6	163
78	Experimental evidence for segregated ring currents in C60. Journal of the American Chemical Society, 1993, 115, 7876-7877.	6.6	92
79	Electrochemical properties of La@C82. Journal of the American Chemical Society, 1993, 115, 11006-11007.	6.6	103
80	Synthesis of m-phenylene- and p-phenylenebis(phenylfulleroids): two-pearl sections of pearl necklace polymers. Journal of the American Chemical Society, 1992, 114, 7300-7301.	6.6	138
81	Dihydrofulleroid H3C61: synthesis and properties of the parent fulleroid. Journal of the American Chemical Society, 1992, 114, 7301-7302.	6.6	252
82	Organic metals of bis(ethylenedioxy)tetrathiafulvalene (BEDO-TTF). Synthetic Metals, 1991, 42, 2225-2228.	2.1	4
83	Systematic Inflation of Buckminsterfullerene C60: Synthesis of Diphenyl Fulleroids C61 to C66. Science, 1991, 254, 1186-1188.	6.0	324
84	Syntheses of dibenzo[<i>c,e</i>][1,2]diselenin and related novel chalcogenide heterocyclic compounds. Journal of Heterocyclic Chemistry, 1991, 28, 433-438.	1.4	30
85	Cyclization of terpene alcohols and related polyenols by benzeneselenenyl triflate. Tetrahedron Letters, 1990, 31, 6535-6538.	0.7	22
86	Relative electron donor strengths of tetrathiafulvene derivatives: effects of chemical substitutions and the molecular environment from a combined photoelectron and electrochemical study. Journal of the American Chemical Society, 1990, 112, 3302-3307.	6.6	117
87	(BEDO)2.413: the first robust organic metal of BEDO-TTF. Journal of the American Chemical Society, 1990, 112, 2461-2462.	6.6	91
88	Bis(ethylenedioxy)tetrathiafulvalene: the first oxygen substituted tetrathiafulvalene. Journal of the American Chemical Society, 1989, 111, 3108-3109.	6.6	163
89	Stereoselective Selenolactonization by Superelectrophilic Benzeneselenenyl Triflate. Chemistry Letters, 1987, 16, 849-852.	0.7	57
90	Cyclization of olefinic alcohol by benzeneselenenyl triflate. Tetrahedron Letters, 1987, 28, 4297-4298.	0.7	33

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91	Stereoselective formation of tetrahydrofuran and -pyran by benzeneselenenyl triflate. Tetrahedron Letters, 1987, 28, 4415-4416.	0.7	39