Motohiro Sonoda

List of Publications by Year
in descending order

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77 papers	4,008 citations	185998 28 h-index	118652 62 g-index
107 all docs	107 docs citations	107 times ranked	3753 citing authors

#	Article	IF	Citations
1	Efficient catalytic addition of aromatic carbon-hydrogen bonds to olefins. Nature, 1993, 366, 529-531.	13.7	1,273
2	Two-Dimensional Porous Molecular Networks of Dehydrobenzo[12]annulene Derivatives via Alkyl Chain Interdigitation. Journal of the American Chemical Society, 2006, 128, 16613-16625.	6.6	343
3	m-Diethynylbenzene Macrocycles:Â Syntheses and Self-Association Behavior in Solution. Journal of the American Chemical Society, 2002, 124, 5350-5364.	6.6	225
4	Molecular Geometry Directed KagomÃ© and Honeycomb Networks:Â Toward Two-Dimensional Crystal Engineering. Journal of the American Chemical Society, 2006, 128, 3502-3503.	6.6	143
5	Synthesis of Differentially Substituted Hexaethynylbenzenes Based on Tandem Sonogashira and Negishi Cross-Coupling Reactions. Organic Letters, 2001, 3, 2419-2421.	2.4	119
6	Synthesis and Properties of Trefoil-Shaped Tris(hexadehydrotribenzo[12]annulene) and Tris(tetradehydrotribenzo[12]annulene). Organic Letters, 2006, 8, 2933-2936.	2.4	110
7	Synthesis and Association Behavior of Butadiyne-Bridged [44](2,6)Pyridinophane and [46](2,6)Pyridinophane Derivatives. Organic Letters, 2000, 2, 3265-3268.	2.4	94
8	Donors and Acceptors Based on Triangular Dehydrobenzo[12]annulenes: Formation of a Triple-Layered Rosette Structure by a Charge-Transfer Complex. Journal of the American Chemical Society, 2008, 130, 14339-14345.	6.6	91
9	Synthesis of Dehydrobenzo[18]annulene Derivatives and Formation of Self-Assembled Monolayers:â€‰ Implications of Core Size on Alkyl Chain Interdigitation. Langmuir, 2007, 23, 10190-10197.	1.6	81
10	Strained Dehydrobenzoannulenes. European Journal of Organic Chemistry, 2006, 2006, 833-847.	1.2	66
11	Site-Selective Guest Inclusion in Molecular Networks of Butadiyne-Bridged Pyridino and Benzeno Square Macrocycles on a Surface. Journal of the American Chemical Society, 2008, 130, 6666-6667.	6.6	66
12	Highly Regioselective Simultaneous Introduction of Phosphino and Seleno Groups into Unsaturated Bonds by the Novel Combination of (Ph₂P)₂ and (PhSe)₂ upon Photoirradiation. Journal of Organic Chemistry, 2009, 74, 1751-1754.	1.7	63
13	Theoretical Studies on Graphyne Substructures:Â Geometry, Aromaticity, and Electronic Properties of the Multiply Fused Dehydrobenzo[12]annulenes. Journal of Organic Chemistry, 2007, 72, 1437-1442.	1.7	62
14	Photoinduced thiotelluration of isocyanides by using a (PhS)2â€“(PhTe)2 mixed system, and its application to bisthiolation via radical cyclization. Tetrahedron Letters, 2007, 48, 5953-5957.	0.7	58
15	Resonance Raman spectra of polyyne molecules C10H2 and C12H2 in solution. Chemical Physics Letters, 2007, 433, 296-300.	1.2	48
16	A Benzoyl Peroxide/Diphenyl Diselenide Binary System for Functionalization of Alkynes Leading to Alkenyl and Alkynyl Selenides. Journal of Organic Chemistry, 2017, 82, 12477-12484.	1.7	47
17	Photoinduced hydrophosphinylation of alkenes with diphenylphosphine oxide. Tetrahedron Letters, 2009, 50, 624-626.	0.7	46
18	Efficient Synthesis of Biindenylidene Derivatives via a Domino-Heck-Type Double Cyclization of Diaryldienynes. Organic Letters, 2003, 5, 3411-3414.	2.4	42

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19	Synthesis and Properties of Perfluoroalkyl Phosphine Ligands: Photoinduced Reaction of Diphosphines with Perfluoroalkyl Iodides. Angewandte Chemie - International Edition, 2013, 52, 1748-1752.	7.2	39
20	Convenient Synthesis and Photophysical Properties of Tetrabenzopentakisdehydro[12]annuleno[12]annulene. Chemistry Letters, 2004, 33, 972-973.	0.7	38
21	Facile Access to 1Hâ€Indazoles through Iodobenzeneâ€Catalyzed Câ€“H Amination under Mild, Transitionâ€Metalâ€Free Conditions. European Journal of Organic Chemistry, 2014, 2014, 4720-4723.	1.2	38
22	Novel Synthesis of Bridged Phenylthienylethenes and Dithienylethenes via Pd-Catalyzed Double-Cyclization Reactions of Diarylhexadienynes. Organic Letters, 2006, 8, 1197-1200.	2.4	37
23	Highly Selective Phosphinotelluration of Terminal Alkynes Using a (Ph₂P)₂â^'(PhTe)₂ Mixed System upon Visible Light Irradiation: Straightforward Access to 1-Phosphino-2-telluro-alkenes. Organometallics, 2010, 29, 312-316.	1.1	34
24	Pd-catalyzed coupling reaction of acid chlorides with terminal alkynes using 1-(2-pyridylethynyl)-2-(2-thienylethynyl)benzene ligand. Tetrahedron Letters, 2012, 53, 1764-1767.	0.7	34
25	[12.12]Paracyclophanedodecaynes C36H8 and C36Cl8: The Smallest Paracyclophynes and Their Transformation into the Carbon Cluster Ion C36â^' This work was supported in part by Grants-in-Aid for Scientific Research from the Ministry of Education,Science,Sports and Culture of Japan. Y.T. is grateful to Shin-Etsu Chemical Co. for the generous gift of an organosilicon reagent.. Angewandte Chemie - International Edition, 2001, 40, 4072.	7.2	33
26	Twoâ€Photon Absorption Properties of Dehydrobenzo[12]annulenes and Hexakis(phenylethynyl)benzenes: Effect of Edgeâ€Linkage. ChemPhysChem, 2007, 8, 2671-2677.	1.0	33
27	A novel palladium(0)-catalyzed addition of diphenyl disulfide to allenes leading to vicinal disulfides and its application to carbonylation with carbon monoxide. Tetrahedron Letters, 2007, 48, 6312-6317.	0.7	31
28	A highly regioselective hydrophosphination of terminal alkynes with tetraphenyldiphosphine in the presence of palladium catalyst. Tetrahedron Letters, 2007, 48, 6637-6640.	0.7	31
29	A Highly Regioselective Palladium-Catalyzed Hydrophosphination of Alkynes Using a Diphosphineâ^'Hydrosilane Binary System. Journal of Organic Chemistry, 2008, 73, 7928-7933.	1.7	30
30	Oxone-mediated facile access to substituted pyrazoles. Tetrahedron, 2016, 72, 304-311.	1.0	30
31	Sequential Synthesis, Olfactory Properties, and Biological Activity of Quinoxaline Derivatives. ACS Omega, 2017, 2, 1875-1885.	1.6	30
32	Proline-Mediated Transition Metal-Free Access to 1H-Indazolones from 2-Halobenzohydrazides. Journal of Organic Chemistry, 2016, 81, 6766-6773.	1.7	28
33	Synthesis of 2-Halogenated Quinolines by Halide-Mediated Intramolecular Cyclization of o-Alkynylaryl Isocyanides. Bulletin of the Chemical Society of Japan, 2010, 83, 822-824.	2.0	26
34	Cobalt-Catalyzed Thiolative Lactonization of Alkynes with Double CO Incorporation. Organometallics, 2011, 30, 4539-4543.	1.1	25
35	Highly selective perfluoroalkylchalcogenation of alkynes by the combination of iodoperfluoroalkanes and organic dichalcogenides upon photoirradiation. Tetrahedron, 2012, 68, 10516-10522.	1.0	24
36	Transition-metal-catalyzed hydrothiolation of cyclohexylallene with benzenethiol or diphenyl disulfide. Journal of Sulfur Chemistry, 2009, 30, 309-318.	1.0	23

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37	A convenient hydroiodination of alkynes using I2/PPh3/H2O and its application to the one-pot synthesis of trisubstituted alkenes via iodoalkenes using Pd-catalyzed cross-coupling reactions. Tetrahedron Letters, 2014, 55, 6779-6783.	0.7	23
38	A Clue to Elusive Macrocycles:Â Unusually Facile, Spontaneous Polymerization of a Hexagonal Diethynylbenzene Macrocycle. Journal of Organic Chemistry, 2006, 71, 401-404.	1.7	22
39	Rhodium-Catalyzed Highly Stereoselective Hydroselenation of Internal Alkynes Bearing an Electron-withdrawing Group. Organometallics, 2011, 30, 6766-6769.	1.1	22
40	Palladium-Catalyzed Cyanothiolation of Internal Alkynes Using Organic Disulfides and tert-Butyl Isocyanide. Journal of Organic Chemistry, 2018, 83, 5267-5273.	1.7	22
41	Generation and Characterization of Highly Strained Dibenzotetrakisdehydro[12]- and Dibenzopentakisdehydro[14]annulenes. Journal of Organic Chemistry, 2005, 70, 1853-1864.	1.7	21
42	Syntheses and Photophysical Properties of Boomerang-shaped Bis(dehydrobenzo[12]annulene) and Trapezoid-shaped Tris(dehydrobenzo[12]annulene). Chemistry Letters, 2007, 36, 838-839.	0.7	21
43	Palladium-catalyzed oxidative homocoupling reaction of terminal acetylenes using trans-bidentatable 1-(2-pyridylethynyl)-2-(2-thienylethynyl)benzene. Research on Chemical Intermediates, 2013, 39, 359-370.	1.3	20
44	Molecular Propellers that Consist of Dehydrobenzo[14]annulene Blades. Chemistry - A European Journal, 2012, 18, 12814-12824.	1.7	19
45	IrCl3 or FeCl3-catalyzed convenient synthesis of 3-hydroxyphthalates. Tetrahedron Letters, 2011, 52, 6238-6241.	0.7	18
46	Lewis acid-catalyzed reduction of dithioacetals by 1,4-cyclohexadiene. Tetrahedron Letters, 2007, 48, 3025-3028.	0.7	17
47	Cyclophynes. , 2005, , 1-40.		16
48	Highly regioselective hydroiodination of terminal alkynes and silylalkynes with iodine and phosphorus reagents leading to internal iodoalkenes. Tetrahedron, 2012, 68, 9818-9825.	1.0	16
49	Solvophobically driven self-association of a butadiyne-bridged pyridine macrocycle. Tetrahedron, 2008, 64, 11490-11494.	1.0	14
50	Copper-free Sonogashira Coupling Reaction Using atrans-Spanning 1,2-Bis(2-thienylethynyl)benzene Ligand. Chemistry Letters, 2011, 40, 925-927.	0.7	14
51	Facile Synthesis of Phenanthridinone Alkaloids via Suzukiâ€“Miyaura Crossâ€coupling. Journal of Heterocyclic Chemistry, 2017, 54, 1645-1651.	1.4	14
52	Flash vacuum pyrolysis of 1,6-diphenyl-1,5-hexadien-3-ynes: tandem diaryldienyne cyclizations to form chrysene. Tetrahedron Letters, 2002, 43, 5269-5272.	0.7	13
53	Regioselective Monoarylation of 2-Phenylbenzimidazole via Ruthenium-CatalyzedÂ-Câ€“H Bond Functionalization. Synthesis, 2014, 46, 3185-3190.	1.2	13
54	PtCl₂-Catalyzed Cyclization of o-Diethynylbenzene Derivatives Triggered by Intramolecular Nucleophilic Attack. Synthetic Communications, 2011, 41, 1077-1087.	1.1	12

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55	A rapid access to substituted oxazoles via PIFA-mediated oxidative cyclization of enamides. Tetrahedron, 2017, 73, 1247-1254.	1.0	12
56	Rhodium-Catalyzed Anti-Markovnikovâ€“Type Hydrophosphination of Terminal Alkynes with Diphosphines and Hydrosilanes in the Presence of Oxygen. Phosphorus, Sulfur and Silicon and the Related Elements, 2010, 185, 1090-1097.	0.8	11
57	A facile and rapid access to resveratrol derivatives and their radioprotective activity. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3886-3891.	1.0	11
58	Copper(0)-induced aminocyclopropanation of olefins via deselenation of N,N-disubstituted aromatic selenoamides. Tetrahedron, 2008, 64, 9983-9988.	1.0	10
59	Formation of naphthodithiophene isomers by flash vacuum pyrolysis of 1,6-di(2-thienyl)- and 1,6-di(3-thienyl)-1,5-hexadien-3-ynes. Comptes Rendus Chimie, 2009, 12, 378-384.	0.2	10
60	Selective Metallation of 3-Halothiophenes: Practical Methods for the Synthesis of 2-Bromo-3-formylthiophene. Synthetic Communications, 2009, 39, 3315-3323.	1.1	9
61	Copper-catalyzed tandem reaction directed toward synthesis of 2,2-disubstituted quinazolinones from vinyl halides and 2-aminobenzamides. Tetrahedron Letters, 2017, 58, 4043-4047.	0.7	9
62	Novel Photoinduced Reduction of Conjugate Dienes by the Combination of Benzenethiol and Diphenyl Diselenide. Bulletin of the Chemical Society of Japan, 2007, 80, 2443-2445.	2.0	8
63	An Efficient and Highly Selective Carbonylative Bisthiolation of Internal Alkynes with Organic Disulfides Catalyzed by [Co2(CO)8]. Chemistry Letters, 2013, 42, 1303-1304.	0.7	8
64	Hydroiodinationâ€Triggered Cascade Reaction with I₂/PPh₃/H₂O: Metalâ€Free Access to 3â€Substituted Phthalides from 2â€Alkynylbenzoates. European Journal of Organic Chemistry, 2017, 2017, 5343-5346.	1.2	7
65	Synthesis and Characterization of Cyclopentadienone-annelated Hexadehydrodibenzo[12]annulene. Chemistry Letters, 2006, 35, 168-169.	0.7	6
66	Silica gel-promoted convenient synthesis of 2-bromo-3-hydroxybenzoate derivatives. Tetrahedron Letters, 2014, 55, 5302-5305.	0.7	6
67	One-pot synthesis of 3-hydroxyanthranilate derivatives using furans, bromoalkyne, and secondary amines. Tetrahedron Letters, 2015, 56, 2500-2503.	0.7	6
68	Furan- and Thiophene-2-Carbonyl Amino Acid Derivatives Activate Hypoxia-Inducible Factor via Inhibition of Factor Inhibiting Hypoxia-Inducible Factor-1. Molecules, 2018, 23, 885.	1.7	5
69	Enantio and diastereoselective total synthesis of all four stereoisomers of germicidin N. Synthetic Communications, 2020, 50, 1504-1511.	1.1	5
70	Novel reducing properties of a series of lanthanoid metals in the presence of SmI2. Research on Chemical Intermediates, 2013, 39, 43-48.	1.3	3
71	Iodine-Mediated Facile One-Pot Access to N-Aryl-2-benzoxazolamines. SynOpen, 2020, 04, 99-106.	0.8	3
72	A Concise Enantiodivergent Synthesis of Equol. Synlett, 2021, 32, 693-696.	1.0	3

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73	Prolineâ€catalyzed Transitionâ€Metalâ€free Access to 1â€Substitutedâ€4â€Quinazolinones. ChemistrySelect, 2021, 6, 1533-1540.	0.7	1
74	[12.12]Paracyclophanedodecaynes C36H8 and C36Cl8: The Smallest Paracyclophynes and Their Transformation into the Carbon Cluster Ion C36â¸. Angewandte Chemie - International Edition, 2002, 41, 16-16.	7.2	0
75	Mechanistic study of silica-gel or FeCl3-promoted ring-opening aromatization of 7-oxanorborna-2,5-dienes affording 2-bromo-3-hydroxybenzoate derivatives. Research on Chemical Intermediates, 2019, 45, 13-21.	1.3	0
76	2,2-Bis(phenylselanyl)-1-(p-tolyl)vinyl 2-Oxo-2-(p-tolyl)acetate. MolBank, 2021, 2021, M1283.	0.2	0
77	Easy access to both enantiomers of 5-hydroxyequol and 3-(4-hydroxyphenyl)chroman-8-ol. Results in Chemistry, 2021, 3, 100252.	0.9	0