

Jun Terao

List of Publications by Year in descending order

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193
papers

9,367
citations

30070

54
h-index

46799

89
g-index

273
all docs

273
docs citations

273
times ranked

5703
citing authors

#	ARTICLE	IF	CITATIONS
1	Pd-catalyzed cross-coupling reactions of alkyl halides. <i>Chemical Society Reviews</i> , 2011, 40, 4937.	38.1	393
2	Nickel-Catalyzed Cross-Coupling Reaction of Grignard Reagents with Alkyl Halides and Tosylates: A Remarkable Effect of 1,3-Butadienes. <i>Journal of the American Chemical Society</i> , 2002, 124, 4222-4223.	13.7	364
3	Cross-Coupling Reaction of Alkyl Halides with Grignard Reagents Catalyzed by Ni, Pd, or Cu Complexes with π -Carbon Ligand(s). <i>Accounts of Chemical Research</i> , 2008, 41, 1545-1554.	15.6	337
4	Copper-Catalyzed Hydrocarboxylation of Alkynes Using Carbon Dioxide and Hydrosilanes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 523-527.	13.8	313
5	Nickel-Catalyzed Carboxylation of Aryl and Vinyl Chlorides Employing Carbon Dioxide. <i>Journal of the American Chemical Society</i> , 2012, 134, 9106-9109.	13.7	308
6	Ni- or Cu-Catalyzed Cross-Coupling Reaction of Alkyl Fluorides with Grignard Reagents. <i>Journal of the American Chemical Society</i> , 2003, 125, 5646-5647.	13.7	281
7	Copper-catalyzed borylative transformations of non-polar carbon-carbon unsaturated compounds employing borylcopper as an active catalyst species. <i>Tetrahedron</i> , 2015, 71, 2183-2197.	1.9	272
8	Highly Selective Copper-Catalyzed Hydroboration of Allenes and 1,3-Dienes. <i>Chemistry - A European Journal</i> , 2013, 19, 7125-7132.	3.3	214
9	Copper-Catalyzed Cross-Coupling Reaction of Grignard Reagents with Primary-Alkyl Halides: Remarkable Effect of 1-Phenylpropyne. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2086-2089.	13.8	212
10	Copper-Catalyzed Highly Regio- and Stereoselective Directed Hydroboration of Unsymmetrical Internal Alkynes: Controlling Regioselectivity by Choice of Catalytic Species. <i>Chemistry - A European Journal</i> , 2012, 18, 4179-4184.	3.3	174
11	Regioselective transformation of alkynes catalyzed by a copper hydride or boryl copper species. <i>Catalysis Science and Technology</i> , 2014, 4, 1699.	4.1	148
12	Copper-Catalyzed Silacarboxylation of Internal Alkynes by Employing Carbon Dioxide and Silylboranes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11487-11490.	13.8	141
13	Copper-Catalyzed Highly Selective Semihydrogenation of Non-Polar Carbon-Carbon Multiple Bonds using a Silane and an Alcohol. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1542-1550.	4.3	137
14	Nickel-Catalyzed Cross-Coupling Reaction of Alkyl Halides with Organozinc and Grignard Reagents with 1,3,8,10-Tetraenes as Additives. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6180-6182.	13.8	128
15	Copper-Catalyzed Regiodivergent Silacarboxylation of Allenes with Carbon Dioxide and a Silylborane. <i>Journal of the American Chemical Society</i> , 2014, 136, 17706-17709.	13.7	128
16	Design principle for increasing charge mobility of π -conjugated polymers using regularly localized molecular orbitals. <i>Nature Communications</i> , 2013, 4, 1691.	12.8	115
17	Palladium-Catalyzed Intermolecular Addition of Formamides to Alkynes. <i>Journal of the American Chemical Society</i> , 2010, 132, 2094-2098.	13.7	109
18	Insulated Molecular Wire with Highly Conductive π -Conjugated Polymer Core. <i>Journal of the American Chemical Society</i> , 2009, 131, 18046-18047.	13.7	107

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19	Synthesis of Organic-Soluble Conjugated Polyrotaxanes by Polymerization of Linked Rotaxanes. <i>Journal of the American Chemical Society</i> , 2009, 131, 16004-16005.	13.7	104
20	Self-Organized Interconnect Method for Molecular Devices. <i>Journal of the American Chemical Society</i> , 2006, 128, 15062-15063.	13.7	103
21	Palladium-catalyzed esterification of aryl halides using aryl formates without the use of external carbon monoxide. <i>Chemical Communications</i> , 2012, 48, 8012.	4.1	102
22	Boraformylation and Silaformylation of Allenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1539-1543.	13.8	102
23	Transition Metal-Catalyzed C-C Bond Formation Reactions Using Alkyl Halides. <i>Bulletin of the Chemical Society of Japan</i> , 2006, 79, 663-672.	3.2	100
24	Copper-Catalyzed Borylative Allyl-Allyl Coupling Reaction. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9007-9011.	13.8	99
25	Iridium-Catalyzed Addition of Acid Chlorides to Terminal Alkynes. <i>Journal of the American Chemical Society</i> , 2009, 131, 6668-6669.	13.7	97
26	Nickel-Catalyzed Double Carboxylation of Alkynes Employing Carbon Dioxide. <i>Organic Letters</i> , 2014, 16, 4960-4963.	4.6	96
27	Palladium-Catalyzed Hydroesterification of Alkynes Employing Aryl Formates without the Use of External Carbon Monoxide. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 475-482.	4.3	95
28	Conversion of a (sp ³)C-F bond of alkyl fluorides to (sp ³)C-X (X = Cl, C, H, O, S, Se, Te, N) bonds using organoaluminium reagents. <i>Chemical Communications</i> , 2007, , 855-857.	4.1	94
29	Copper-Catalyzed Borylation of \hat{I} -alkoxy Allenes with Bis(pinacolato)diboron: Efficient Synthesis of $\hat{2}$ -boryl 1,3-butadienes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12400-12403.	13.8	94
30	Iridium-Catalyzed Annulation of <i>N</i> -Arylcarbamoyl Chlorides with Internal Alkynes. <i>Journal of the American Chemical Society</i> , 2010, 132, 9602-9603.	13.7	92
31	Regioselective Double Alkylation of Styrenes with Alkyl Halides Using a Titanocene Catalyst. <i>Journal of the American Chemical Society</i> , 1998, 120, 11822-11823.	13.7	90
32	Carboxyzincation Employing Carbon Dioxide and Zinc Powder: Cobalt-Catalyzed Multicomponent Coupling Reactions with Alkynes. <i>Journal of the American Chemical Society</i> , 2016, 138, 5547-5550.	13.7	90
33	Copper-Catalyzed Hydrosilylation with a Bowl-shaped Phosphane Ligand: Preferential Reduction of a Bulky Ketone in the Presence of an Aldehyde. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1472-1476.	13.8	89
34	Ni-Catalyzed Alkylative Dimerization of Vinyl Grignard Reagents Using Alkyl Fluorides. <i>Journal of the American Chemical Society</i> , 2005, 127, 3656-3657.	13.7	86
35	Pd-Catalyzed Cross-Coupling Reaction of Alkyl Tosylates and Bromides with Grignard Reagents in the Presence of 1,3-Butadiene. <i>Chemistry Letters</i> , 2003, 32, 890-891.	1.3	85
36	Cobalt- and Nickel-Catalyzed Carboxylation of Alkenyl and Sterically Hindered Aryl Triflates Utilizing CO ₂ . <i>Journal of Organic Chemistry</i> , 2015, 80, 11618-11623.	3.2	82

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37	Platinum-Catalyzed Regio- and Stereoselective Arylthiolation of Internal Alkynes. <i>Organic Letters</i> , 2008, 10, 101-104.	4.6	81
38	Non-catalytic conversion of C–F bonds of benzotrifluorides to C–C bonds using organoaluminium reagents. <i>Chemical Communications</i> , 2009, , 6011.	4.1	79
39	Titanocene-Catalyzed Carbosilylation of Alkenes and Dienes Using Alkyl Halides and Chlorosilanes. <i>Journal of Organic Chemistry</i> , 2000, 65, 5291-5297.	3.2	77
40	Synthesis of One-Dimensional Metal-Containing Insulated Molecular Wire with Versatile Properties Directed toward Molecular Electronics Materials. <i>Journal of the American Chemical Society</i> , 2014, 136, 1742-1745.	13.7	77
41	Synthesis of poly(para-phenylenevinylene) rotaxanes by aqueous Suzuki coupling Electronic supplementary information (ESI) available: details of analytical ultracentrifuge measurements; experimental synthetic procedures. See http://www.rsc.org/suppdata/cc/b3/b311762f/ . <i>Chemical Communications</i> , 2004, , 56.	4.1	75
42	Ni-catalyzed regioselective three-component coupling of alkyl halides, arylalkynes, or enynes with R–M (M = MgX ₂ , ZnX ₂). <i>Chemical Communications</i> , 2009, , 7336.	4.1	72
43	Cobalt-catalyzed carboxylation of propargyl acetates with carbon dioxide. <i>Chemical Communications</i> , 2014, 50, 13052-13055.	4.1	72
44	A Triarylphosphine Ligand Bearing Dodeca(ethylene glycol) Chains: Enhanced Efficiency in the Palladium-Catalyzed Suzuki–Miyaura Coupling Reaction. <i>Organic Letters</i> , 2009, 11, 2121-2124.	4.6	70
45	Single-Molecule Conductance of I–Conjugated Rotaxane: New Method for Measuring Stipulated Electric Conductance of I–Conjugated Molecular Wire Using STM Break Junction. <i>Small</i> , 2012, 8, 726-730.	10.0	67
46	Nickel-Catalyzed Regioselective Three Component Coupling Reaction of Alkyl Halides, Butadienes, and Ar–M (M=MgX, ZnX). <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 905-908.	4.3	63
47	Copper-catalyzed C–C bond-forming transformation of CO ₂ to alcohol oxidation level: selective synthesis of homoallylic alcohols from allenes, CO ₂ , and hydrosilanes. <i>Chemical Communications</i> , 2015, 51, 13020-13023.	4.1	63
48	Iridium-Catalyzed Addition of Aryl Chlorides and Aliphatic Acid Chlorides to Terminal Alkynes. <i>Journal of the American Chemical Society</i> , 2012, 134, 1268-1274.	13.7	62
49	Zirconocene-Catalyzed Silylation of Alkenes with Chlorosilanes. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2653-2656.	13.8	60
50	Cross-coupling of alkyl halides with Grignard reagents using nickel and palladium complexes bearing 1-3-allyl ligand as catalysts. <i>Chemical Communications</i> , 2007, , 825-827.	4.1	58
51	Enhancement of Phosphorescence and Unimolecular Behavior in the Solid State by Perfect Insulation of Platinum–Acetylide Polymers. <i>Journal of the American Chemical Society</i> , 2014, 136, 14714-14717.	13.7	58
52	Copper-catalyzed coupling reaction of unactivated secondary alkyl iodides with alkyl Grignard reagents in the presence of 1,3-butadiene as an effective additive. <i>Chemical Communications</i> , 2012, 48, 9313.	4.1	57
53	Nickel-Catalyzed Dimerization and Carbosilylation of 1,3-Butadienes with Chlorosilanes and Grignard Reagents. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3412-3414.	13.8	53
54	Titanocene-Catalyzed Regioselective Carbomagnesation of Alkenes and Dienes. <i>Journal of Organic Chemistry</i> , 2004, 69, 573-576.	3.2	51

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55	Permethylated cyclodextrin-based insulated molecular wires. <i>Polymer Chemistry</i> , 2011, 2, 2444.	3.9	51
56	Cu-catalyzed regioselective carbomagnesiation of dienes and enynes with sec- and tert-alkyl Grignard reagents. <i>Chemical Communications</i> , 2008, , 1332.	4.1	48
57	Nickel-Catalyzed Regioselective Carbomagnesiation of Methylene-cyclopropanes through a Site-Selective Carbon-Carbon Bond Cleavage. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 144-147.	13.8	48
58	Definitive Evidence for the Insertion of Terminal Alkynes into Aryl-Si ₃ Pt Bonds: σ -Halogen Effect in Stoichiometric and Catalytic Reactions. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5929-5933.	13.8	47
59	Tellurium-zinc exchange reaction. A new preparative method of alkenylzinc reagents. <i>Tetrahedron Letters</i> , 1996, 37, 4741-4744.	1.4	44
60	η^2 -cis-SAr effect on decarbonylation from η^2 -unsaturated acyl and aroyl complexes. <i>Chemical Communications</i> , 2006, , 868.	4.1	44
61	Titanocene-Catalyzed Alkylation of Aryl-Substituted Alkenes with Alkyl Halides. <i>Bulletin of the Chemical Society of Japan</i> , 2003, 76, 2209-2214.	3.2	43
62	A single-molecule electrical approach for amino acid detection and chirality recognition. <i>Science Advances</i> , 2021, 7, .	10.3	43
63	Copper-Catalyzed Alkyl-Alkyl Cross-Coupling Reactions Using Hydrocarbon Additives: Efficiency of Catalyst and Roles of Additives. <i>Journal of Organic Chemistry</i> , 2014, 79, 8522-8532.	3.2	42
64	A Typical Metal-Ion-Responsive Color-Tunable Emitting Insulated π -Conjugated Polymer Film. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13427-13431.	13.8	42
65	Silver-catalyzed carbomagnesiation of terminal aryl and silyl alkynes and enynes in the presence of 1,2-dibromoethane. <i>Chemical Communications</i> , 2009, , 1115.	4.1	39
66	Nickel-catalyzed cross-coupling of unactivated alkyl halides and tosylate carrying a functional group with alkyl and phenyl Grignard reagents. <i>Tetrahedron Letters</i> , 2009, 50, 5644-5646.	1.4	36
67	Synthesis of a head-to-tail-type cyclodextrin-based insulated molecular wire. <i>Chemical Communications</i> , 2011, 47, 6816.	4.1	34
68	π -conjugated molecules covered by permethylated cyclodextrins. <i>Chemical Record</i> , 2011, 11, 269-283.	5.8	34
69	Transition metal catalyzed carbon-silicon bond forming reactions using chlorosilanes promoted by Grignard reagents. <i>Chemical Record</i> , 2007, 7, 57-67.	5.8	33
70	Titanocene-Catalyzed Regioselective Alkylation of Styrenes with Grignard Reagents Using η^2 -Bromoethyl Ethers, Thioethers, or Amines. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1472-1478.	3.3	33
71	Carbon-carbon bond-forming reactions using alkyl fluorides. <i>Pure and Applied Chemistry</i> , 2008, 80, 941-951.	1.9	32
72	Titanocene-catalyzed double silylation of dienes and aryl alkenes with chlorosilanes. <i>Tetrahedron Letters</i> , 1998, 39, 9697-9698.	1.4	31

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73	Formation of 1,4-Disilyl-2-butenes from Vinyl Grignard Reagent and Chlorosilanes Catalyzed by a Titanocene Complex. <i>Organic Letters</i> , 2001, 3, 1733-1735.	4.6	31
74	Pd-catalyzed thiocarbonylation of terminal alkynes with sulfenamide and carbon monoxide. <i>Tetrahedron Letters</i> , 2006, 47, 1141-1144.	1.4	31
75	Silver-Catalyzed Regioselective Carbomagnesiation of Alkynes with Alkyl Halides and Grignard Reagents. <i>Organic Letters</i> , 2011, 13, 4656-4659.	4.6	30
76	Synthesis of an insulated molecular wire by click polymerization. <i>Chemical Communications</i> , 2012, 48, 1577-1579.	4.1	30
77	Boraformylation and Silaformylation of Allenes. <i>Angewandte Chemie</i> , 2017, 129, 1561-1565.	2.0	29
78	Copper-catalyzed Silylative Allylation of Ketones and Aldehydes Employing Allenes and Silylboranes. <i>Chemistry Letters</i> , 2015, 44, 271-273.	1.3	28
79	Zirconocene-catalyzed alkylation of aryl alkenes with alkyl tosylates, sulfates and bromides. <i>Tetrahedron Letters</i> , 1998, 39, 9201-9204.	1.4	26
80	Novel Nickel-Catalyzed Coupling Reaction of Allyl Ethers with Chlorosilanes, Alkyl Tosylates, or Alkyl Halides Promoted by Vinyl-Grignard Reagent Leading to Allylsilanes or Alkenes. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 1674-1678.	4.3	26
81	Synthesis of an Organic-soluble π -Conjugated [1]Rotaxane. <i>Chemistry Letters</i> , 2009, 38, 76-77.	1.3	26
82	Palladium-Catalyzed Reduction of Carboxylic Acids to Aldehydes with Hydrosilanes in the Presence of Pivalic Anhydride. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 3420-3424.	4.3	26
83	Nickel η^5 -Butadiene Catalytic System for the Cross-Coupling of Bromoalkanoic Acids with Alkyl Grignard Reagents: A Practical and Versatile Method for Preparing Fatty Acids. <i>Chemistry - A European Journal</i> , 2013, 19, 2956-2960.	3.3	26
84	Nickel-Catalyzed Coupling of Thiomethyl-Substituted 1,3-Benzothiazoles with Secondary Alkyl Grignard Reagents. <i>Chemistry - A European Journal</i> , 2013, 19, 2951-2955.	3.3	25
85	Palladium-Catalyzed Formal Hydroacylation of Allenes Employing Acid Chlorides and Hydrosilanes. <i>Organic Letters</i> , 2013, 15, 2286-2289.	4.6	25
86	Kinetic Studies of the Ni-catalyzed Cross-coupling of Alkyl Halides and a Tosylate with Butyl Grignard Reagent in the Presence of 1,3-Butadiene. <i>Chemistry Letters</i> , 2011, 40, 1024-1026.	1.3	23
87	Insulated π -conjugated metallopolymers. <i>Tetrahedron Letters</i> , 2014, 55, 4035-4043.	1.4	23
88	Insulated conjugated bimetallopolymer with sigmoidal response by dual self-controlling system as a biomimetic material. <i>Nature Communications</i> , 2020, 11, 408.	12.8	23
89	Palladium-Catalyzed Dimerization Disilylation of 1,3-Butadiene with Chlorosilanes. <i>Organic Letters</i> , 2004, 6, 3341-3344.	4.6	22
90	The first definitive example of oxidative addition of acyclic vinyl selenide to M(0) complex. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 1873-1878.	1.8	22

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91	Synthesis of linked symmetrical [3] and [5]rotaxanes having an oligomeric phenylene ethynylene (OPE) core skeleton as a π -conjugated guest via double intramolecular self-inclusion. <i>Tetrahedron Letters</i> , 2009, 50, 1146-1150.	1.4	22
92	Ruthenium-catalyzed ring-closing metathesis accelerated by long-range steric effect. <i>Chemical Communications</i> , 2011, 47, 9699.	4.1	22
93	Rational Design for Rotaxane Synthesis through Intramolecular Slippage: Control of Activation Energy by Rigid Axle Length. <i>Chemistry - A European Journal</i> , 2016, 22, 6624-6630.	3.3	22
94	Stimuli-responsive functionalized insulated conjugated polymers. <i>Polymer Journal</i> , 2017, 49, 805-814.	2.7	22
95	Synthetic Methodologies for Structurally Defined Linked- n Rotaxanes with Permethylyated Cyclodextrins: Platform for Functionalized Molecular Electronics. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 529-539.	3.2	22
96	cis-to-trans Isomerization Promoted by Pyridine as a Crucial Step for the Selective Preparation of trans-Pt(SAr)(Cl)(PAr \sim 3) $_2$. <i>Inorganic Chemistry</i> , 2006, 45, 1399-1404.	4.0	21
97	Conversion of (sp $_3$)C-F Bonds of Alkyl Fluorides to (sp $_3$)C-Heteroatom (Heteroatom = I, SR, SeR, TeR) Bonds by the Use of Magnesium Reagents Having Heteroatom Substituents. <i>Chemistry Letters</i> , 2007, 36, 196-197.	1.3	21
98	Revealing Charge- and Temperature-Dependent Movement Dynamics and Mechanism of Individual Molecular Machines. <i>Small Methods</i> , 2019, 3, 1900464.	8.6	21
99	Rational Method of Monitoring Molecular Transformations on Metal-Oxide Nanowire Surfaces. <i>Nano Letters</i> , 2019, 19, 2443-2449.	9.1	21
100	Cross-coupling of Grignard reagents with alkyl halides or tosylates by the use of nickel or palladium containing perovskite. <i>Tetrahedron Letters</i> , 2011, 52, 774-776.	1.4	20
101	Synthesis of functionalized insulated molecular wires by polymerization of an insulated π -conjugated monomer. <i>Chemical Communications</i> , 2014, 50, 658-660.	4.1	20
102	Silylation and alkylation of allenes using chlorosilanes and alkyl halides in the presence of palladium catalyst and Grignard reagents. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 375-381.	1.8	19
103	Mechanical switching of current-voltage characteristics in spiropyran single-molecule junctions. <i>Nanoscale</i> , 2020, 12, 7527-7531.	5.6	19
104	Palladium-catalyzed formal hydroacylation of allenes employing carboxylic anhydrides and hydrosilanes. <i>Tetrahedron</i> , 2015, 71, 4570-4574.	1.9	18
105	Synthesis of internal acetylenes from vinylic tellurides. <i>Tetrahedron Letters</i> , 1998, 39, 5511-5512.	1.4	17
106	N-Carbonylation of Lithium Azaenolates of Amides, Formamides, Ureas, and Carbamates with Carbon Monoxide Mediated by Selenium. <i>Journal of Organic Chemistry</i> , 2007, 72, 273-276.	3.2	17
107	Copper-catalyzed hydroallylation of allenes employing hydrosilanes and allyl chlorides. <i>Chemical Communications</i> , 2017, 53, 7898-7900.	4.1	17
108	A New Preparative Method of Alkenylaluminum Reagents via Tellurium-Aluminum Exchange Reactions. <i>Synlett</i> , 1996, 1996, 779-780.	1.8	16

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109	Synthesis of an organic-soluble β -conjugated [3]rotaxane via rotation of glucopyranose units in permethylated β -cyclodextrin. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2800-2808.	2.2	16
110	Steric effect of carboxylic acid ligands on Pd-catalyzed C-H activation reactions. <i>Catalysis Communications</i> , 2016, 84, 71-74.	3.3	16
111	Luminescent and mechanical enhancement of phosphorescent hydrogel through cyclic insulation of platinum-acetylide crosslinker. <i>Polymer Chemistry</i> , 2019, 10, 5280-5284.	3.9	16
112	Reaction pathways of zirconocene-catalyzed silylation of alkenes with chlorosilanes. <i>Tetrahedron</i> , 2004, 60, 1301-1308.	1.9	15
113	Reactions of β -Unsaturated Thioesters with Platinum(0): A Implication of a Dual Mechanism Leading to the Formation of Acyl Platinum. <i>Organometallics</i> , 2006, 25, 2949-2959.	2.3	15
114	Co-porphyrin functionalized CVD graphene ammonia sensor with high selectivity to disturbing gases: hydrogen and humidity. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SGGG09.	1.5	15
115	Principal Component Analysis of Surface-Enhanced Raman Scattering Spectra Revealing Isomer-Dependent Electron Transport in Spiropyran Molecular Junctions: Implications for Nanoscale Molecular Electronics. <i>ACS Omega</i> , 2022, 7, 5578-5583.	3.5	15
116	Synthesis of Linked Symmetric [3]Rotaxane Having an Oligomeric Phenylene-Ethynylene Unit as a β -Guest via Double Sonogashira Cross-coupling. <i>Chemistry Letters</i> , 2010, 39, 518-519.	1.3	14
117	Synthesis of Insulated Pt-Alkynyl Complex Polymer. <i>Chemistry Letters</i> , 2012, 41, 652-653.	1.3	14
118	N-Heterocyclic carbene ligands bearing poly(ethylene glycol) chains: effect of the chain length on palladium-catalyzed coupling reactions employing aryl chlorides. <i>Chemical Communications</i> , 2015, 51, 17382-17385.	4.1	14
119	Fluorene-Thiophene Copolymer Wire on TiO ₂ : Mechanism Achieving Long Charge Separated State Lifetimes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25672-25681.	3.1	14
120	Programmed Synthesis of Molecular Wires with Fixed Insulation and Defined Length Based on Oligo(phenylene ethynylene) and Permethylated β -Cyclodextrins. <i>Chemistry - A European Journal</i> , 2017, 23, 15073-15079.	3.3	14
121	Cross-coupling Reaction of Alkyl Halides with Organometallic Reagents Using Transition-Metal Catalysts. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2004, 62, 1192-1204.	0.1	13
122	Titanocene-catalyzed formation of allylsilanes from allyl ethers and chlorosilanes. <i>Tetrahedron Letters</i> , 2004, 45, 1699-1702.	1.4	13
123	Kinetic stabilization of a Ni(ⁱⁱ) bis(dithiobenzoate)-type complex achieved using three-dimensional insulation by a [1]rotaxane structure. <i>Chemical Communications</i> , 2018, 54, 2487-2490.	4.1	13
124	Precision synthesis of linear oligorotaxanes and polyrotaxanes achieving well-defined positions and numbers of cyclic components on the axle. <i>Chemical Communications</i> , 2022, 58, 1644-1660.	4.1	13
125	Stochastic Binding Dynamics of a Photoswitchable Single Supramolecular Complex. <i>Advanced Science</i> , 2022, 9, e2200022.	11.2	13
126	Organic conducting wire formation on a TiO ₂ nanocrystalline structure: towards long-lived charge separated systems. <i>Chemical Communications</i> , 2009, , 4360.	4.1	12

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127	Synthesis of a Linked [1]â€“[1]Rotaxane. <i>Chemistry Letters</i> , 2009, 38, 190-191.	1.3	12
128	Palladium-Catalyzed Reduction of Acid Chlorides to Aldehydes with Hydrosilanes. <i>Synlett</i> , 2012, 23, 2389-2392.	1.8	12
129	Pd-catalyzed Coupling Reaction of Allyl and Propargyl Ethers with Chlorosilanes. <i>Chemistry Letters</i> , 2007, 36, 236-237.	1.3	11
130	Titanocene-catalyzed alkylative dimerization of vinyl Grignard reagent using alkyl halides. <i>Chemical Communications</i> , 2008, , 5836.	4.1	11
131	Effect of Mechanical Strain on Electric Conductance of Molecular Junctions. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19452-19457.	3.1	11
132	Macroscopic Change in Luminescent Color by Thermally Driven Sliding Motion in [3]Rotaxanes. <i>Chemistry - A European Journal</i> , 2020, 26, 3385-3389.	3.3	11
133	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 3534-3536.	2.0	10
134	Palladium-catalyzed formal arylation of allenes employing acid chlorides and arylboronic acids. <i>Chemical Communications</i> , 2014, 50, 8476-8479.	4.1	10
135	Regio- and Stereoselective Synthesis of Triarylalkene-Capped Rotaxanes via Palladium-Catalyzed Tandem Sonogashira/Hydroarylation of Terminal Alkynes. <i>Journal of Organic Chemistry</i> , 2017, 82, 5449-5455.	3.2	10
136	Hetero Faceâ€“toâ€“Face Porphyrin Array with Cooperative Effects of Coordination and Hostâ€“Guest Complexation. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1900-1904.	3.3	10
137	Complementary Color Tuning by HCl via Phosphorescence-to-Fluorescence Conversion on Insulated Metallopolymer Film and Its Light-Induced Acceleration. <i>Polymers</i> , 2020, 12, 244.	4.5	10
138	Molecular Wiring Method Based on Polymerization or Copolymerization of an Insulated Î€-Conjugated Monomer. <i>Bulletin of the Chemical Society of Japan</i> , 2014, 87, 871-873.	3.2	9
139	Titanocene-Catalyzed Reaction of Alkenes and Dienes with Alkyl Halides and Chlorosilanes.. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2001, 59, 1044-1051.	0.1	8
140	Nickel-catalyzed dimerization coupling reactions of vinyl Grignard reagents with 3, 4-membered cyclic ethers and chlorosilanes. <i>Tetrahedron</i> , 2007, 63, 6635-6641.	1.9	8
141	New synthetic methods of Î€-conjugated inclusion complexes with high conductivity. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 80, 165-175.	1.6	8
142	Iron oxide catalyzed reduction of acid chlorides to aldehydes with hydrosilanes. <i>Catalysis Communications</i> , 2014, 50, 25-28.	3.3	8
143	Synthesis and Redox Response of Insulated Molecular Wire Elongated through Ironâ€“Terpyridine Coordination Bonds. <i>Chemistry Letters</i> , 2014, 43, 1289-1291.	1.3	8
144	Encapsulation by Cyclic Porphyrin Dimers Using Various Interaction Modes. <i>Chemistry Letters</i> , 2014, 43, 1374-1376.	1.3	8

#	ARTICLE	IF	CITATIONS
145	Enhancement of Carrier Mobility through Deformation Potential in Metal-Containing Insulated Molecular Wires. <i>Journal of Physical Chemistry C</i> , 2016, 120, 26637-26644.	3.1	8
146	Synthesis and Acid-Responsiveness of an Insulated π -Conjugated Polymer Containing Spiroyrans in Its Backbone. <i>Molecules</i> , 2019, 24, 1301.	3.8	8
147	Electrical detection of ppb region NO ₂ using Mg-porphyrin-modified graphene field-effect transistors. <i>Nanoscale Advances</i> , 0, , .	4.6	8
148	Synthesis of Insulated Heteroaromatic Platinum π -Acetylide Complexes with Color-Tunable Phosphorescence in Solution and Solid States. <i>Journal of Organic Chemistry</i> , 2020, 85, 3082-3091.	3.2	8
149	Linked Rotaxane Structure Restricts Local Molecular Motions in Solution to Enhance Fluorescence Properties of Tetraphenylethylene. <i>Chemistry - A European Journal</i> , 2022, 28, e202103175.	3.3	8
150	Synthesis of Highly Insulated Molecular Wires by Polymerization of Organic π -Soluble Symmetrical Linked Inclusion Complex Monomers. <i>Macromolecular Symposia</i> , 2010, 297, 54-60.	0.7	7
151	A Typical Metal π -Responsive Color π -Tunable Emitting Insulated π -Conjugated Polymer Film. <i>Angewandte Chemie</i> , 2016, 128, 13625-13629.	2.0	7
152	Synthesis of Cyclic Carbonates from Epoxides and Carbon Dioxide Catalyzed by MgCl ₂ . <i>Chemistry Letters</i> , 2017, 46, 968-969.	1.3	7
153	Reversible and stable redox behavior of a Pt(II) bis(dithiobenzoate)-type complex attributed to rotaxane-based stabilization. <i>Tetrahedron Letters</i> , 2018, 59, 2930-2933.	1.4	6
154	Copper π -Catalyzed [4+2] Cycloaddition Using <i>N</i> -(2-Pyridyl)ketimines and Terminal Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3245-3248.	4.3	6
155	Two-step template method for synthesis of axis-length-controlled porphyrin-containing hollow structures. <i>Chemical Communications</i> , 2019, 55, 6755-6758.	4.1	5
156	Synthetic Methodology for Structurally Defined and Insulated Molecular Wires Bearing Non π -centrosymmetric Conjugated Axle Components via Iterative Intramolecular Slippage. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1667-1671.	3.3	5
157	Suppression of Undesirable Isomerization and Intermolecular Reactions of Double Bonds by a Linked Rotaxane Structure. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1890-1895.	3.3	5
158	Pt-Catalyzed Regio- and Stereoselective Furylthiolation of Alkynes. <i>Synlett</i> , 2005, 2005, 1161-1163.	1.8	4
159	Transition Metal Catalyzed Alkylation at sp ³ -, sp ² -, and sp-Carbons. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2011, 69, 1271-1281.	0.1	4
160	Synthesis and characterization of ruthenium(II) complexes with dendritic N-heterocyclic carbene ligands. <i>Inorganica Chimica Acta</i> , 2014, 409, 174-178.	2.4	4
161	Rational Strategy for Space-Confined Seeded Growth of ZnO Nanowires in Meter-Long Microtubes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 16812-16819.	8.0	4
162	Synthesis of Highly Insulated Conjugated Metallopolymers Containing Terpyridine π -Metal Complexes. <i>Chemistry Letters</i> , 2016, 45, 931-933.	1.3	3

#	ARTICLE	IF	CITATIONS
163	Maximizing Conversion of Surface Click Reactions for Versatile Molecular Modification on Metal Oxide Nanowires. <i>Langmuir</i> , 2021, 37, 5172-5179.	3.5	3
164	Solvatofluorochromic Contrast with Supramolecular Stereoisomers Using Linked Rotaxane Structures to Investigate Local Solvation in Excited Donor-Bridge-Acceptor Systems. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 163-168.	3.2	3
165	Synthesis and Reaction of Vinylic Tellurides. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1998, 136, 637-640.	1.6	2
166	Transition-Metal-Catalyzed Additions of Carbonyl Functionalities to Alkynes. <i>Synlett</i> , 2010, 2010, 2537-2548.	1.8	2
167	Synthesis of Molecular Wires Strapped by π -Conjugated Side Chains: Integration of Dehydrobenzo[20]annulene Units. <i>Journal of Organic Chemistry</i> , 2015, 80, 8874-8880.	3.2	2
168	Platinum-acetylide crosslinkers for facile preparation of phosphorescent commodity polymer networks with defect-free chromophores. <i>Materials Letters</i> , 2019, 247, 182-184.	2.6	2
169	Zr-Catalyzed Coupling Reaction of Alkyl Halides, Tosylates, and Sulfates with \hat{I}^2 -Phenethyl Grignard Reagents via Styrene-Zirconate Intermediates. <i>Synlett</i> , 2005, 2005, 1783-1786.	1.8	1
170	Palladium(II) complexes bearing a salicylaldiminato ligand with a hydroxyl group: Synthesis, structures, deprotonation, and catalysis. <i>Inorganica Chimica Acta</i> , 2011, 368, 237-241.	2.4	1
171	Synthesis of Conjugated Polyrotaxanes and Its Application to Molecular Wires. <i>Advances in Atom and Single Molecule Machines</i> , 2017, , 487-512.	0.0	1
172	Synthesis and Characterization of Carboxylic Acids Bearing Poly(ethylene glycol) Chains. <i>Synlett</i> , 2018, 29, 556-559.	1.8	1
173	Change in the rate of pseudo[1]rotaxane formation by elongating the alkyl-chain-substituted diphenylethynylene linked to permethyl \hat{I}^{\pm} -cyclodextrin. <i>Tetrahedron Letters</i> , 2020, 61, 152061.	1.4	1
174	Effect of changing electronic states of molecules on frequency domain of graphene FETs. <i>Applied Physics Express</i> , 2022, 15, 045001.	2.4	1
175	Insulation of a coumarin derivative with [1]rotaxane to control solvation-induced effects in excited-state dynamics for enhanced luminescence. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 15195-15200.	2.8	1
176	Ni- or Cu-Catalyzed Cross-Coupling Reaction of Alkyl Fluorides with Grignard Reagents.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
177	Nickel-Catalyzed Dimerization and Carbosilylation of 1,3-Butadienes with Chlorosilanes and Grignard Reagents.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
178	Pd-Catalyzed Cross-Coupling Reaction of Alkyl Tosylates and Bromides with Grignard Reagents in the Presence of 1,3-Butadiene. <i>Chemistry Letters</i> , 2003, 32, 1090-1090.	1.3	0
179	Titanocene-Catalyzed Alkylation of Aryl-Substituted Alkenes with Alkyl Halides.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
180	Pd-Catalyzed Cross-Coupling Reaction of Alkyl Tosylates and Bromides with Grignard Reagents in the Presence of 1,3-Butadiene.. <i>ChemInform</i> , 2004, 35, no.	0.0	0

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181	Titanocene-Catalyzed Regioselective Carbomagnesation of Alkenes and Dienes.. ChemInform, 2004, 35, no.	0.0	0
182	Titanocene-Catalyzed Formation of Allylsilanes from Allyl Ethers and Chlorosilanes.. ChemInform, 2004, 35, no.	0.0	0
183	Palladium-Catalyzed Dimerization Disilylation of 1,3-Butadiene with Chlorosilanes.. ChemInform, 2005, 36, no.	0.0	0
184	Nickel-Catalyzed Cross-Coupling Reaction of Alkyl Halides with Organozinc and Grignard Reagents with 1,3,8,10-Tetraenes as Additives.. ChemInform, 2005, 36, no.	0.0	0
185	Cross-Coupling Reaction of Alkyl Halides with Organometallic Reagents Using Transition-Metal Catalysts. ChemInform, 2005, 36, no.	0.0	0
186	Ni-Catalyzed Alkylative Dimerization of Vinyl Grignard Reagents Using Alkyl Fluorides.. ChemInform, 2005, 36, no.	0.0	0
187	Cross-Coupling Reactions. , 2005, , 127-153.		0
188	Preparation and Characteristic Control of Conducting Polymer/Metal Oxide Nano-Hybrid Films for Solar Energy Conversion. Ceramic Engineering and Science Proceedings, 0, , 35-49.	0.1	0
189	Titelbild: A Typical Metal-Responsive Color-Tunable Emitting Insulated Conjugated Polymer Film (Angew. Chem. 43/2016). Angewandte Chemie, 2016, 128, 13547-13547.	2.0	0
190	Synthesis and Physical Properties of Three-Dimensionally Insulated Molecular Wires. , 2016, , 141-164.		0
191	Thieme Chemistry Journals Awardees – Where Are They Now? Synthesis of a Dinuclear Copper NHC Complex Bearing a Rigid Conjugated Cyclic Framework. Synlett, 2017, 28, 1775-1779.	1.8	0
192	Lecture Tour upon Receiving the MBLA 2006. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2008, 66, 389-395.	0.1	0
193	Synthesis and Function of Insulated Molecular Devices Bearing [1]Rotaxane Structure. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2015, 73, 1007-1019.	0.1	0