

Yasushi Nishihara

List of Publications by Year in descending order

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194
papers

7,385
citations

50276

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#	ARTICLE	IF	CITATIONS
1	Transmetalation of boronic acids and their derivatives: mechanistic elucidation and relevance to catalysis. <i>Dalton Transactions</i> , 2022, 51, 777-796.	3.3	13
2	Palladium/Copper-Cocatalyzed Arylsilylation of Internal Alkynes with Acyl Fluorides and Silylboranes: Synthesis of Tetrasubstituted Alkenylsilanes by Three-Component Coupling Reaction. <i>Organic Letters</i> , 2022, 24, 385-389.	4.6	8
3	Effects of Acyloxy Groups in Anthrabisthiadiazole-Based Semiconducting Polymers on Electronic Properties, Thin-Film Structure, and Solar Cell Performance. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 942-952.	3.2	5
4	Recent Advances in C–F Bond Activation of Acyl Fluorides Directed toward Catalytic Transformation by Transition Metals, N-Heterocyclic Carbenes, or Phosphines. <i>Synthesis</i> , 2022, 54, 3667-3697.	2.3	17
5	Nickel-Catalyzed Decarbonylative Alkynylation of Acyl Fluorides with Terminal Alkynes under Copper-Free Conditions. <i>Synlett</i> , 2021, 32, 1560-1564.	1.8	7
6	Palladium-catalyzed decarbonylative and decarboxylative cross-coupling of acyl chlorides with potassium perfluorobenzoates affording unsymmetrical biaryls. <i>Chemical Communications</i> , 2021, 57, 3696-3699.	4.1	8
7	Iron-catalyzed radical cyclization to synthesize germanium-substituted indolo[2,1- <i>a</i>]isoquinolin-6(5 <i>H</i>)-ones and indolin-2-ones. <i>Chemical Communications</i> , 2021, 57, 9276-9279.	4.1	37
8	Synthesis and reactivity of boryloxorhodium complexes. Relevance to intermolecular transmetalation from boron to rhodium in Rh-catalyzed reactions. <i>Dalton Transactions</i> , 2021, 50, 3610-3615.	3.3	4
9	Nickel-Catalyzed Decarbonylative Thioetherification of Acyl Fluorides via C–F Bond Activation. <i>Synthesis</i> , 2021, 53, 3045-3050.	2.3	6
10	Recent Advances in Transition-metal-catalyzed C–C Bond Formation via C–F Bond Cleavage. <i>Chemical Record</i> , 2021, 21, 3394-3410.	5.8	30
11	Formation of <i>trans</i> -Poly(thienylenevinylene) Thin Films by Solid-State Thermal Isomerization. <i>Chemistry of Materials</i> , 2021, 33, 5631-5638.	6.7	2
12	Syntheses of polynorbornadienes by ring-opening metathesis polymerizations of symmetric and non-symmetric 2,3-bis(alkoxycarbonyl)norbornadienes and their conversion to half-ester derivatives. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 6634-6642.	2.8	6
13	Decarboxylative Cross-Coupling of Acyl Fluorides with Potassium Perfluorobenzoates. <i>Organic Letters</i> , 2020, 22, 6388-6393.	4.6	11
14	Synthesis of Oxygen-Containing Heterocyclic Compounds by Iron-Catalyzed Alkylative Cyclization of Unsaturated Carboxylic Acids and Alcohols. <i>Organic Letters</i> , 2020, 22, 7343-7347.	4.6	15
15	Synthesis and Physicochemical Properties of 2,7-Disubstituted Phenanthro[2,1- <i>b</i> :7,8- <i>b'</i>]dithiophenes. <i>Molecules</i> , 2020, 25, 3842.	3.8	1
16	Synthesis of 2-Isoxazoline <i>N</i> -Oxides by Copper-Mediated Radical Annulation of Alkenes with β -Nitrobenzyl Bromides. <i>Organic Letters</i> , 2020, 22, 7577-7580.	4.6	11
17	Palladium/copper-cocatalyzed decarbonylative alkynylation of acyl fluorides with alkynylsilanes: synthesis of unsymmetrical diarylethynes. <i>Chemical Communications</i> , 2020, 56, 7977-7980.	4.1	23
18	Palladium-Catalyzed Decarbonylative Alkylation of Acyl Fluorides. <i>Organic Letters</i> , 2020, 22, 2350-2353.	4.6	25

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19	Nickel or Palladium-Catalyzed Decarbonylative Transformations of Carboxylic Acid Derivatives. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1234-1247.	3.3	39
20	Methoxylation of Acyl Fluorides with Tris(2,4,6-trimethoxyphenyl)phosphine via C–OMe Bond Cleavage under Metal-Free Conditions. <i>Journal of Organic Chemistry</i> , 2020, 85, 7526-7533.	3.2	3
21	Synthesis of Dinaphtho[2,3-d:2a TM ,3a TM -da TM]anthra[1,2-b:5,6-ba TM]dithiophene (DNADT) Derivatives: Effect of Alkyl Chains on Transistor Properties. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2447.	4.1	3
22	Efficient Synthesis of π -Conjugated Organic Molecules Utilizing Cross-Coupling Reactions and Application to Electronic Devices. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2020, 78, 867-874.	0.1	0
23	Nickel-Catalyzed Decarbonylative Cyanation of Acyl Chlorides. <i>Organic Letters</i> , 2019, 21, 6779-6784.	4.6	28
24	Nickel/copper-cocatalyzed decarbonylative silylation of acyl fluorides. <i>Chemical Communications</i> , 2019, 55, 10507-10510.	4.1	46
25	Transistor Properties of Semiconducting Polymers Based on Vinylene-bridged Difluorobenzo[<i>c</i>][1,2,5]thiadiazole (FBTzE). <i>Chemistry Letters</i> , 2019, 48, 1029-1031.	1.3	5
26	PPh ₃ -Assisted Esterification of Acyl Fluorides with Ethers via C(sp ³)–O Bond Cleavage Accelerated by TBAT. <i>Catalysts</i> , 2019, 9, 574.	3.5	10
27	Copper-Catalyzed Regioselective Aminothiolation of Aromatic and Aliphatic Alkenes with <i>N</i> -Fluorobenzenesulfonimide and Thiols through Three-Component Radical Coupling. <i>Journal of Organic Chemistry</i> , 2019, 84, 15373-15379.	3.2	13
28	Vinylene-bridged difluorobenzo[<i>c</i>][1,2,5]-thiadiazole (FBTzE): a new electron-deficient building block for high-performance semiconducting polymers in organic electronics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 905-916.	5.5	11
29	Bis[1]benzothieno[5,4- <i>d</i>]benzo[1,2- <i>b</i> :4,5- <i>b'</i>]dithiophene Derivatives: Synthesis and Effect of Sulfur Positions on Their Transistor Properties. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1107-1116.	3.2	3
30	Nickel-Catalyzed Decarbonylative Stannylation of Acyl Fluorides under Ligand-Free Conditions. <i>Molecules</i> , 2019, 24, 1671.	3.8	28
31	Synthesis of 2-Substituted Propenes by Bidentate Phosphine-Assisted Methylenation of Acyl Fluorides and Acyl Chlorides with AlMe ₃ . <i>Organic Letters</i> , 2019, 21, 3640-3643.	4.6	15
32	Synthesis and Physicochemical Properties of Dibenzo[2,3- <i>d</i> :2a TM ,3a TM - <i>d</i>]anthra[1,2- <i>b</i> :5,6- <i>b'</i>]dithiophene (DBADT) and Its Derivatives: Effect of Substituents on Their Molecular Orientation and Transistor Properties. <i>Journal of Organic Chemistry</i> , 2019, 84, 698-709.	3.2	11
33	Copper-catalyzed Regioselective Chloroamination of Alkenes with Chlorotrimethylsilane and <i>N</i> -Fluorobenzenesulfonimide under Microwave-assisted Conditions. <i>Chemistry Letters</i> , 2019, 48, 281-284.	1.3	7
34	Phenanthrodithiophene (PDT)-Difluorobenzothiadiazole (DFBT) Copolymers: Effect on Molecular Orientation and Solar Cell Performance of Alkyl Substitution onto a PDT Core. <i>Macromolecules</i> , 2018, 51, 1357-1369.	4.8	19
35	Synthesis and Transistor Application of Bis[1]benzothieno[6,7- <i>d</i> :6a TM ,7a TM - <i>d</i>]benzo[1,2- <i>b</i> :4,5- <i>b'</i>]dithiophenes. <i>Journal of Organic Chemistry</i> , 2018, 83, 5506-5515.	4.2	15
36	Nickel-catalysed decarbonylative borylation of acyl fluorides. <i>Chemical Communications</i> , 2018, 54, 13969-13972.	4.1	63

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37	Nickel-Catalyzed Decarbonylative Alkylation of Aryl Fluorides Assisted by Lewis-Acidic Organoboranes. <i>ACS Omega</i> , 2018, 3, 13129-13140.	3.5	57
38	Development of a phenanthrodithiophene- <i>h</i> -difluorobenzoxadiazole copolymer exhibiting high open-circuit voltage in organic solar cells. <i>Journal of Polymer Science Part A</i> , 2018, 56, 2646-2655.	2.3	3
39	Synthesis and Transistor Characteristics of Dinaphtho[2,3- <i>d</i> :2',3'-]anthra[1,2- <i>b</i> :5,6- <i>b'</i>]dithiophene (DNADT). <i>Chemistry Letters</i> , 2018, 47, 1409-1411.		4
40	Low-bandgap semiconducting polymers based on sulfur-containing phenacene-type molecules for transistor and solar cell applications. <i>Polymer Journal</i> , 2018, 50, 615-625.	2.7	10
41	Efficient Synthesis and Properties of [1]Benzothieno[3,2- <i>b</i>]thieno[2,3- <i>d</i>]furans and [1]Benzothieno[3,2- <i>b</i>]thieno[2,3- <i>d</i>]thiophenes. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1635-1641.	2.7	7
42	Effect of substitution positions of alkyl side chains in phenanthrodithiophene- <i>h</i> -isoindigo copolymers: The enhancement of crystallinity and control of molecular orders. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1757-1767.	2.3	4
43	Synthesis of a 1,2-Dithienylethene-Containing Donor-Acceptor Polymer via Palladium-Catalyzed Direct Arylation Polymerization (DArP). <i>Molecules</i> , 2018, 23, 981.	3.8	16
44	Alkoxy-Substituted Anthra[1,2- <i>c</i> :5,6- <i>c'</i>]bis([1,2,5]thiadiazole) (ATz): A New Electron-Acceptor Unit in the Semiconducting Polymers for Organic Electronics. <i>Macromolecules</i> , 2018, 51, 5473-5484.	4.8	14
45	Regioselective Synthesis of $\hat{\gamma}$ -Lactones by Iron-Catalyzed Radical Annulation of Alkenes with $\hat{\gamma}$ -Halocarboxylic Acids and Their Derivatives. <i>Organic Letters</i> , 2018, 20, 3848-3852.	4.6	32
46	Direct Thiolation and Selenation of Aryl C-H Bonds Catalyzed by Palladium or Nickel. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2018, 76, 11-20.	0.1	1
47	(Invited) Phenanthro[1,2- <i>B</i> :7,8- <i>B'</i>]Dithiophene (PDT): Application to Organic Photovoltaics. <i>ECS Meeting Abstracts</i> , 2018, . .	0.0	0
48	Bis[1]benzothieno[2,3- <i>d</i> :2',3'-]anthra[1,2- <i>b</i> :5,6- <i>b'</i>]dithiophene: synthesis, characterization, and application to organic field-effect transistors. <i>RSC Advances</i> , 2017, 7, 6089-6092.	3.6	10
49	Synthesis and Physicochemical Properties of Piceno[4,3- <i>b</i> :9,10- <i>b'</i>]dithiophene Derivatives and Their Application in Organic Field-Effect Transistors. <i>ACS Omega</i> , 2017, 2, 308-315.	3.5	11
50	Synthesis of Benzoisosenazolone Derivatives by Nickel-Catalyzed Dehydrogenative Direct Selenation of C(sp ²)-H Bonds with Elemental Selenium in Air. <i>Organic Letters</i> , 2017, 19, 1092-1095.	4.6	77
51	Phenanthrene Synthesis by Palladium-Catalyzed Benzannulation with <i>o</i> -Bromobenzyl Alcohols through Multiple Carbon-Carbon Bond Formations. <i>Journal of Organic Chemistry</i> , 2017, 82, 6242-6258.	3.2	25
52	Solar Cell Performance of Phenanthrodithiophene- <i>h</i> -Isoindigo Copolymers Depends on Their Thin-Film Structure and Molecular Weight. <i>Macromolecules</i> , 2017, 50, 4639-4648.	4.8	19
53	Synthesis of Multisubstituted Olefins through Regio- and Stereoselective Addition of Interelement Compounds Having Si, B, and S Bonds to Alkynes, and Subsequent Cross-Couplings. <i>Chemical Record</i> , 2016, 16, 2031-2045.	5.8	22
54	Transistor Properties of 2,7-Dialkyl-Substituted Phenanthro[2,1- <i>b</i> :7,8- <i>b'</i>]dithiophene. <i>Scientific Reports</i> , 2016, 6, 38535.	3.3	11

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55	Palladium-catalysed direct thiolation and selenation of aryl C–H bonds assisted by directing groups. Dalton Transactions, 2016, 45, 15278-15284.	3.3	56
56	Palladium-Catalyzed Regio- and Stereoselective Carbothiolation of Terminal Alkynes with Azolyl Sulfides. Organic Letters, 2016, 18, 1642-1645.	4.6	41
57	The molecular mechanism of palladium-catalysed cyanoesterification of methyl cyanofornate onto norbornene. Dalton Transactions, 2016, 45, 7786-7793.	3.3	9
58	Highly crystalline, low band-gap semiconducting polymers based on phenanthrodithiophene-benzothiadiazole for solar cells and transistors. Polymer Chemistry, 2016, 7, 1549-1558.	3.9	24
59	Highly Selective Synthesis of Multi-substituted Olefins Mediated by Zirconocene Complexes. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2016, 74, 792-802.	0.1	1
60	Impact of Alkyl Side Chains on Thin-film Transistor Performances in Phenanthrodithiophene–Isoindigo Copolymers. Chemistry Letters, 2015, 44, 998-1000.	1.3	12
61	A divergent synthesis of 3,10-dialkylpicenes. Organic Chemistry Frontiers, 2015, 2, 536-541.	4.5	17
62	Synthesis, characterization, and solar cell and transistor applications of phenanthro[1,2-b:8,7-b']dithiophene–Diketopyrrolopyrrole semiconducting polymers. Journal of Polymer Science Part A, 2015, 53, 709-718.	2.3	17
63	Transistor application of new picene-type molecules, 2,9-dialkylated phenanthro[1,2-b:8,7-b']dithiophenes. Journal of Materials Chemistry C, 2015, 3, 2413-2421.	5.5	25
64	Phenanthrodithiophene–Isoindigo Copolymers: Effect of Side Chains on Their Molecular Order and Solar Cell Performance. Macromolecules, 2015, 48, 2875-2885.	4.8	33
65	Synthesis of Multisubstituted Triphenylenes and Phenanthrenes by Cascade Reaction of <i>o</i> -Iodobiphenyls or <i>Z</i> -1-Halostyrenes with <i>o</i> -Bromobenzyl Alcohols through Two Sequential C–C Bond Formations Catalyzed by a Palladium Complex. Journal of Organic Chemistry, 2015, 80, 9247-9263.	3.2	59
66	Transistor Application of Phenacene Molecules and Their Characteristics. European Journal of Inorganic Chemistry, 2014, 2014, 3806-3819.	2.0	68
67	Transistor Application of Phenacene Molecules and Their Characteristics (Eur. J. Inorg. Chem. 24/2014). European Journal of Inorganic Chemistry, 2014, 2014, .	2.0	1
68	Palladium-Catalyzed Regio- and Stereoselective Chlorothiolation of Terminal Alkynes with Sulfenyl Chlorides. Chemistry - an Asian Journal, 2014, 9, 58-62.	3.3	51
69	Diborylation of Alkynyl MIDA Boronates and Sequential Chemoselective Suzuki–Miyaura Couplings: A Formal Carboborylation of Alkynes. Organic Letters, 2014, 16, 440-443.	4.6	55
70	Selective Synthesis of Multisubstituted Olefins Utilizing <i>gem</i> - and <i>vic</i> -Diborylated Vinylsilanes Prepared by Silylborylation of an Alkynylboronate and Diborylation of Alkynylsilanes. Journal of Organic Chemistry, 2014, 79, 285-295.	3.2	48
71	Palladium-Catalyzed <i>peri</i> -Selective Chalcogenation of Naphthylamines with Diaryl Disulfides and Diselenides via C–H Bond Cleavage. Journal of Organic Chemistry, 2014, 79, 11330-11338.	3.2	160
72	Palladium-Catalyzed Direct Thiolation of Aryl C–H Bonds with Disulfides. Chemistry - A European Journal, 2014, 20, 2459-2462.	3.3	153

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73	Iron-Induced Regio- and Stereoselective Addition of Sulfenyl Chlorides to Alkynes by a Radical Pathway. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13880-13884.	13.8	76
74	Skeletal Rearrangement of Cyano-Substituted Iminoisobenzofurans into Alkyl 2-Cyanobenzoates Catalyzed by B(C ₆ F ₅) ₃ . <i>Organic Letters</i> , 2014, 16, 5220-5223.	4.6	11
75	The origin of exo-selectivity in methyl cyanoformate addition onto the C=C bond of norbornene in Pd-catalyzed cyanoesterification. <i>Dalton Transactions</i> , 2014, 43, 9537-9548.	3.3	11
76	Experimental and Theoretical Studies on the Platinum-Mediated Selective C(sp) ³ -Si Bond Cleavage of Alkynylsilanes. <i>Organometallics</i> , 2014, 33, 1878-1889.	2.3	11
77	Chelate-Assisted Direct Selenation of Aryl C-H Bonds with Diselenides Catalyzed by Palladium. <i>Organic Letters</i> , 2014, 16, 4920-4923.	4.6	102
78	Synthesis of Methoxy-Substituted Picenes: Substitution Position Effect on Their Electronic and Single-Crystal Structures. <i>Journal of Organic Chemistry</i> , 2014, 79, 4973-4983.	3.2	34
79	Synthesis of 2,9-dialkylated phenanthro[1,2-b:8,7-b']dithiophenes via cross-coupling reactions and sequential Lewis acid-catalyzed regioselective cycloaromatization of epoxide. <i>Tetrahedron Letters</i> , 2014, 55, 4002-4005.	1.4	31
80	New Entry to the Synthesis of \pm -Iminonitriles by Lewis Acid Mediated Isomerization of Cyano-Substituted Iminoisobenzofurans Prepared by Palladium-Catalyzed Three-Component Coupling of Arynes, Isocyanides, and Cyanoformates. <i>Organometallics</i> , 2014, 33, 3500-3507.	2.3	21
81	Synthesis, Structure, and Isomerization of Alkoxy carbonyl(chloro)(cyano)rhodium(III) Complexes, $\text{[RhCl(CO}_2\text{R)(CN)(PMe}_3\text{)}_3\text{]}$ (R = Me, Et, <i>n</i> -Pr, <i>i</i> -Pr, <i>n</i> -Bu, and Bn), through C-C Bond Cleavage of Cyanoformates. <i>Chemistry Letters</i> , 2014, 43, 417-419.	1.3	0
82	Palladium-Catalyzed Annulation of <i>o</i> -Iodobiphenyls with <i>o</i> -Bromobenzyl Alcohols: Synthesis of Functionalized Triphenylenes via C-C and C-H Bond Cleavages. <i>Organic Letters</i> , 2013, 15, 5326-5329.	4.6	59
83	Phenanthro[1,2-b:8,7-b']dithiophene: a new picene-type molecule for transistor applications. <i>RSC Advances</i> , 2013, 3, 19341.	3.6	28
84	Palladium-catalyzed and copper-mediated cross-coupling reaction of aryl- or alkenylboronic acids with acid chlorides under neutral conditions: efficient synthetic methods for diaryl ketones and chalcones at room temperature. <i>Tetrahedron</i> , 2013, 69, 2565-2571.	1.9	35
85	Palladium-free synthesis of unsymmetrical diarylethynes by cross-coupling reaction of alkynylboronates with aryl iodides catalyzed by CuCl. <i>Tetrahedron Letters</i> , 2013, 54, 518-521.	1.4	15
86	Recent Advances in Cross-Coupling Reactions with Alkyl Halides. <i>Lecture Notes in Quantum Chemistry II</i> , 2013, , 203-229.	0.3	10
87	Synthesis of Cyclic 1-Alkenylboronates via Zr-Mediated Double Functionalization of Alkynylboronates and Sequential Ru-Catalyzed Ring-Closing Olefin Metathesis. <i>Organic Letters</i> , 2013, 15, 2418-2421.	4.6	18
88	Synthesis of Substituted Picenes through Pd-Catalyzed Cross-Coupling Reaction/Annulation Sequences and Their Physicochemical Properties. <i>Organic Letters</i> , 2013, 15, 3558-3561.	4.6	41
89	Synthesis of Multisubstituted Olefins through Regio- and Stereoselective Silylborylation of an Alkynylboronate/Chemoselective Cross-Coupling Sequences. <i>Organic Letters</i> , 2013, 15, 3294-3297.	4.6	51
90	A Historic Overview of the Metal-Catalyzed Cross-Coupling Reactions. <i>Lecture Notes in Quantum Chemistry II</i> , 2013, , 3-15.	0.3	7

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91	Mechanisms and Fundamental Reactions. Lecture Notes in Quantum Chemistry II, 2013, , 17-39.	0.3	6
92	Pharmaceuticals. Lecture Notes in Quantum Chemistry II, 2013, , 85-109.	0.3	7
93	Recent Advances in Cross-Coupling Reactions with Aryl Chlorides, Tosylates, and Mesylates. Lecture Notes in Quantum Chemistry II, 2013, , 177-202.	0.3	10
94	Conjugated Polymers. Lecture Notes in Quantum Chemistry II, 2013, , 137-173.	0.3	0
95	Synthesis of Substituted [6]Phenacenes through Suzuki-Miyaura Coupling of Polyhalobenzene with Alkynylboronates and Sequential Intramolecular Cyclization via C-H Bond Activation. Chemistry Letters, 2013, 42, 1257-1259.	1.3	26
96	Synthesis of Unsymmetrical Diarylethynes by Pd(0)/Cu(I)-cocatalyzed Sila-Sonogashira-Hagihara Coupling Reactions of Alkynylsilanes with Aryl Tosylates or Mesylates. Chemistry Letters, 2012, 41, 1503-1505.	1.3	18
97	A NOVEL THREE-COMPONENT COUPLING REACTION OF ARYNES, ISOCYANIDES, AND CYANOFORMATES: A STRAIGHTFORWARD ACCESS TO CYANO-SUBSTITUTED IMINOISOBENZOFURANS. Heterocycles, 2012, 86, 933.	0.7	17
98	Alkynylboron compounds in organic synthesis. Journal of Organometallic Chemistry, 2012, 721-722, 3-16.	1.8	42
99	Synthesis of unsymmetrically disubstituted ethynes by the palladium/copper(I)-cocatalyzed sila-Sonogashira-Hagihara coupling reactions of alkynylsilanes with aryl iodides, bromides, and chlorides through a direct activation of a carbon-silicon bond. Tetrahedron, 2012, 68, 4869-4881.	1.9	33
100	Rh-Catalyzed Carbonylation of Arylzinc Compounds Yielding Symmetrical Diaryl Ketones by the Assistance of Oxidizing Agents. Journal of Organic Chemistry, 2011, 76, 1949-1952.	3.2	35
101	Iron-Catalyzed Oxidation of Tertiary Amines: Synthesis of β -1,3-Dicarbonyl Aldehydes by Three-Component C-C Couplings. Organic Letters, 2011, 13, 6272-6275.	4.6	82
102	Copper-catalyzed Sila-Sonogashira-Hagihara Cross-coupling Reactions of Alkynylsilanes with Aryl Iodides under Palladium-free Conditions. Chemistry Letters, 2011, 40, 972-974.	1.3	44
103	Highly Regio- and Stereoselective Synthesis of Multialkylated Olefins through Carbozirconation of Alkynylboronates and Sequential Negishi and Suzuki-Miyaura Coupling Reactions. Angewandte Chemie - International Edition, 2011, 50, 8660-8664.	13.8	59
104	Palladium- and base-free synthesis of conjugated ynones by cross-coupling reactions of alkynylboronates with acid chlorides mediated by CuCl. Tetrahedron Letters, 2010, 51, 306-308.	1.4	31
105	Enantioseparation of doubly functionalized polar norbornenes by HPLC and their ruthenium-catalyzed ring-opening metathesis polymerization. Journal of Polymer Science Part A, 2010, 48, 485-491.	2.3	13
106	Negishi Alkyl-Aryl Cross-Coupling Catalyzed by Rh: Efficiency of Novel Tripodal 3-Diphenylphosphino-2-(diphenylphosphino)methyl-2-methylpropyl Acetate Ligand. Organic Letters, 2010, 12, 1692-1695.	4.6	30
107	Comparative reactivity of triorganosilanes, HSi(OEt) ₃ and HSiEt ₃ , with IrCl(CO)(PPh ₃) ₂ . Formation of IrCl(H) ₂ (CO)(PPh ₃) ₂ or Ir(H) ₂ (SiEt ₃)(CO)(PPh ₃) ₂ depending on the substituents at Si. Inorganica Chimica Acta, 2009, 362, 2951-2956.	2.4	8
108	Palladium/copper-catalyzed sila-Sonogashira reactions of aryl iodides with alkynylsilanes via a direct C-Si bond activation. Tetrahedron Letters, 2009, 50, 4643-4646.	1.4	50

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109	Photocatalytic Activities of Graphitic Carbon Nitride Powder for Water Reduction and Oxidation under Visible Light. <i>Journal of Physical Chemistry C</i> , 2009, 113, 4940-4947.	3.1	690
110	Regio- and Stereoselective Synthesis of Multisubstituted Vinylsilanes via Zirconacycles. <i>Organic Letters</i> , 2009, 11, 3546-3549.	4.6	33
111	Rh-Catalyzed Negishi Alkyl-Aryl Cross-Coupling Leading to β - or γ -Phosphoryl-Substituted Alkylarenes. <i>Journal of Organic Chemistry</i> , 2009, 74, 2794-2797.	3.2	36
112	Development of New Methodology for Bond Activation by Transition Metal Complexes and Their Application toward Functional Molecule Synthesis. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2009, 67, 889-897.	0.1	4
113	Synthesis, characterization, and thermal properties of ring-opening metathesis polynorbornenes and their hydrogenated derivatives bearing various ester and cyano groups. <i>Journal of Polymer Science Part A</i> , 2008, 46, 3314-3325.	2.3	29
114	Synthesis and ion conductive characteristics of inorganic-organic hybrid polymers bearing a tetraarylpentaborate unit. <i>Journal of Polymer Science Part A</i> , 2008, 46, 7913-7918.	2.3	10
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