

# Hideki Yorimitsu

## List of Publications by Citations

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#	Paper	IF	Citations
4 <sup>21</sup>	Cobalt-catalyzed Heck-type reaction of alkyl halides with styrenes. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 6514-5	16.4	219
4 <sup>20</sup>	Cobalt-catalyzed tandem radical cyclization and cross-coupling reaction: its application to benzyl-substituted heterocycles. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 5374-5	16.4	194
4 <sup>19</sup>	Nickel-catalyzed carboxylation of organozinc reagents with CO <sub>2</sub> . <i>Organic Letters</i> , <b>2008</b> , 10, 2681-3	6.2	192
4 <sup>18</sup>	Cobalt-catalyzed trimethylsilylmethylmagnesium-promoted radical alkenylation of alkyl halides: a complement to the Heck reaction. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 8068-77	16.4	186
4 <sup>17</sup>	Recent progress in asymmetric allylic substitutions catalyzed by chiral copper complexes. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 4435-9	16.4	185
4 <sup>16</sup>	Powerful Solvent Effect of Water in Radical Reaction: Triethylborane-Induced Atom-Transfer Radical Cyclization in Water. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 11041-11047	16.4	170
4 <sup>15</sup>	Cobalt-catalyzed coupling reaction of alkyl halides with allylic grignard reagents. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 4137-9	16.4	167
4 <sup>14</sup>	Cobalt(diamine)-catalyzed cross-coupling reaction of alkyl halides with arylmagnesium reagents: stereoselective constructions of arylated asymmetric carbons and application to total synthesis of AH13205. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 1886-9	16.4	154
4 <sup>13</sup>	Synthesis of 3-trifluoromethylbenzo[b]furans from phenols via direct ortho functionalization by extended Pummerer reaction. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 11838-40	16.4	137
4 <sup>12</sup>	Stereoselective hydrothiolation of alkynes catalyzed by cesium base: facile access to (Z)-1-alkenyl sulfides. <i>Journal of Organic Chemistry</i> , <b>2005</b> , 70, 6468-73	4.2	134
4 <sup>11</sup>	Cobalt-mediated cross-coupling reactions of primary and secondary alkyl halides with 1-(trimethylsilyl)ethynyl- and 2-trimethylsilylethynylmagnesium reagents. <i>Organic Letters</i> , <b>2006</b> , 8, 3093-6	6.2	132
4 <sup>10</sup>	Palladium-catalyzed direct arylation of aryl(azaaryl)methanes with aryl halides providing triarylmethanes. <i>Organic Letters</i> , <b>2007</b> , 9, 2373-5	6.2	131
4 <sup>09</sup>	Cobalt-catalyzed cross-coupling reactions of alkyl halides with allylic and benzylic Grignard reagents and their application to tandem radical cyclization/cross-coupling reactions. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 5640-8	4.8	129
4 <sup>08</sup>	Metal-Free Approach to Biaryls from Phenols and Aryl Sulfoxides by Temporarily Sulfur-Tethered Regioselective C-H/C-H Coupling. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 14582-14585	16.4	127
4 <sup>07</sup>	Nickel-catalyzed beta-boration of alpha,beta-unsaturated esters and amides with bis(pinacolato)diboron. <i>Organic Letters</i> , <b>2007</b> , 9, 5031-3	6.2	106
4 <sup>06</sup>	Copper-catalyzed anti-hydrophosphination reaction of 1-alkynylphosphines with diphenylphosphine providing (Z)-1,2-diphosphino-1-alkenes. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 4099-104	16.4	103
4 <sup>05</sup>	Microwave-assisted palladium-catalyzed direct arylation of 1,4-disubstituted 1,2,3-triazoles with aryl chlorides. <i>Chemistry - an Asian Journal</i> , <b>2007</b> , 2, 1430-5	4.5	103

404	New synthetic reactions catalyzed by cobalt complexes. <i>Pure and Applied Chemistry</i> , <b>2006</b> , 78, 441-449	2.1	103
403	Practical, modular, and general synthesis of benzofurans through extended Pummerer annulation/cross-coupling strategy. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 7510-3	16.4	101
402	Selective deposition of a gadolinium(III) cluster in a hole opening of single-wall carbon nanohorn. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 8527-30	11.5	101
401	Palladium-assisted "aromatic metamorphosis" of dibenzothiophenes into triphenylenes. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7162-6	16.4	98
400	Palladium-catalyzed 2-pyridylmethyl transfer from 2-(2-pyridyl)ethanol derivatives to organic halides by chelation-assisted cleavage of unstrained C(sp <sup>3</sup> )-C(sp <sup>3</sup> ) bonds. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 2643-5	16.4	98
399	Palladium-catalyzed stereo- and regiospecific allylation of aryl halides with homoallyl alcohols via retro-allylation: selective generation and use of sigma-allylpalladium. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 2210-1	16.4	98
398	Palladium-catalyzed cross-coupling reaction of organoindiums with aryl halides in aqueous media. <i>Organic Letters</i> , <b>2001</b> , 3, 1997-9	6.2	97
397	In Vivo Magnetic Resonance Imaging of Single-Walled Carbon Nanohorns by Labeling with Magnetite Nanoparticles. <i>Advanced Materials</i> , <b>2006</b> , 18, 1010-1014	24	95
396	Triethylborane-Mediated Atom Transfer Radical Cyclization Reaction in Water. <i>Journal of Organic Chemistry</i> , <b>1998</b> , 63, 8604-8605	4.2	93
395	Triethylborane-induced bromine atom-transfer radical addition in aqueous media: study of the solvent effect on radical addition reactions. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 7776-85	4.2	92
394	Asymmetric Alkylation of N-Sulfonylbenzamides with Vinyl Ethers via C-H Bond Activation Catalyzed by Hydroxoiridium/Chiral Diene Complexes. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 4010-3	16.4	91
393	Allyl-, allenyl-, and propargyl-transfer reactions through cleavage of C-C bonds catalyzed by an N-heterocyclic carbene/copper complex: synthesis of multisubstituted pyrroles. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 3294-8	16.4	91
392	Cobalt-catalyzed cross-coupling reactions of alkyl halides with aryl Grignard reagents and their application to sequential radical cyclization/cross-coupling reactions. <i>Tetrahedron</i> , <b>2006</b> , 62, 2207-2213	2.4	89
391	Trans-hydrometalation of alkynes by a combination of InCl <sub>3</sub> and DIBAL-H: one-pot access to functionalized (Z)-alkenes. <i>Organic Letters</i> , <b>2002</b> , 4, 2993-5	6.2	88
390	Cobalt-catalyzed intramolecular Heck-type reaction of 6-halo-1-hexene derivatives. <i>Organic Letters</i> , <b>2002</b> , 4, 2257-9	6.2	88
389	N-heterocyclic carbene ligands in cobalt-catalyzed sequential cyclization/cross-coupling reactions of 6-halo-1-hexene derivatives with Grignard reagents. <i>Organic Letters</i> , <b>2007</b> , 9, 1565-7	6.2	86
388	Cascades of Interrupted Pummerer Reaction-Sigmatropic Rearrangement. <i>Chemical Record</i> , <b>2017</b> , 17, 1156-1167	6.6	85
387	Palladium-catalyzed amination of aryl sulfides with anilines. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 9329-33	16.4	85

- 386 Reaction of 2-(2,2,2-trifluoroethylidene)-1,3-dithiane 1-oxide with ketones under Pummerer conditions and its application to the synthesis of 3-trifluoromethyl-substituted five-membered heteroarenes. *Angewandte Chemie - International Edition*, **2010**, 49, 2340-3 16.4 82
- 385 2-(2,2,2-Trifluoroethylidene)-1,3-dithiane monoxide as a trifluoromethylketene equivalent. *Organic Letters*, **2009**, 11, 2185-8 6.2 81
- 384 Disulfidation of alkynes and alkenes with gallium trichloride. *Organic Letters*, **2004**, 6, 601-3 6.2 81
- 383 Synthetic Radical Reactions in Aqueous Media. *Synlett*, **2002**, 2002, 0674-0686 2.2 81
- 382 Photoredox-Catalyzed Site-Selective  $\alpha$ (sp<sup>3</sup>)-H Alkylation of Primary Amine Derivatives. *Angewandte Chemie - International Edition*, **2019**, 58, 4002-4006 16.4 77
- 381 Regiocontrolled palladium-catalyzed arylation cyclizations of alkynols. *Journal of the American Chemical Society*, **2014**, 136, 6255-8 16.4 76
- 380 Pd(OAc)<sub>2</sub>/P(cC<sub>6</sub>H<sub>11</sub>)<sub>3</sub>-catalyzed allylation of aryl halides with homoallyl alcohols via retro-allylation. *Journal of the American Chemical Society*, **2007**, 129, 4463-9 16.4 76
- 379 Synthesis of benzo[b]thiophenes by cyclization of arylketene dithioacetal monoxides under pummerer-like conditions. *Organic Letters*, **2007**, 9, 5573-6 6.2 75
- 378 Asymmetrische allylische Substitution mit chiralen Kupferkomplexen als Katalysatoren. *Angewandte Chemie*, **2005**, 117, 4509-4513 3.6 75
- 377 Metal-Mediated Retro-Allylation of Homoallyl Alcohols for Highly Selective Organic Synthesis. *Bulletin of the Chemical Society of Japan*, **2009**, 82, 778-792 5.1 74
- 376 Iridium-Catalyzed Regio- and Enantioselective Hydroarylation of Alkenyl Ethers by Olefin Isomerization. *Angewandte Chemie - International Edition*, **2017**, 56, 5607-5611 16.4 73
- 375 Oxidative fusion reactions of meso-(diarylamino)porphyrins. *Angewandte Chemie - International Edition*, **2013**, 52, 9728-32 16.4 72
- 374 Silver-catalyzed benzylation and allylation reactions of tertiary and secondary alkyl halides with grignard reagents. *Organic Letters*, **2008**, 10, 969-71 6.2 71
- 373 Palladium-catalyzed anti-hydrothiolation of 1-alkynylphosphines. *Organic Letters*, **2007**, 9, 1383-5 6.2 71
- 372 Synthesis of a library of fluorescent 2-aryl-3-trifluoromethylnaphthofurans from naphthols by using a sequential pummerer-annulation/cross-coupling strategy and their photophysical properties. *Chemistry - A European Journal*, **2012**, 18, 12690-7 4.8 70
- 371 Organometallic Approaches for Direct Modification of Peripheral C-H Bonds in Porphyrin Cores. *Asian Journal of Organic Chemistry*, **2013**, 2, 356-373 3 68
- 370 Synthesis of (E)-1,2-diphosphanylene derivatives from alkynes by radical addition of tetraorganodiphosphane generated in situ. *Angewandte Chemie - International Edition*, **2005**, 44, 1694-6 16.4 68
- 369 Recent development of ortho-C-H functionalization of aryl sulfoxides through [3,3] sigmatropic rearrangement. *Tetrahedron Letters*, **2018**, 59, 2951-2959 2 68

- 368 Synthesis of aziridines by palladium-catalyzed reactions of allylamines with aryl and alkenyl halides: evidence of a syn-carboamination pathway. *Angewandte Chemie - International Edition*, **2009**, 48, 7224-6 16.4 67
- 367 Transition-Metal-Free Synthesis of Carbazoles and Indoles by an SN Ar-Based "Aromatic Metamorphosis" of Thiaarenes. *Angewandte Chemie - International Edition*, **2015**, 54, 10234-8 16.4 66
- 366 Triethylborane-mediated hydrogallation and hydroindation: novel access to organogalliums and organoindiums. *Journal of Organic Chemistry*, **2003**, 68, 6627-31 4.2 66
- 365 Synthesis of bulky phosphines by rhodium-catalyzed formal [2+2+2] cycloaddition reactions of tethered diynes with 1-alkynylphosphine sulfides. *Journal of the American Chemical Society*, **2007**, 129, 6996-7 16.4 65
- 364 Rhodium-catalyzed allyl transfer from homoallyl alcohols to aldehydes via retro-allylation followed by isomerization into ketones. *Organic Letters*, **2006**, 8, 2515-7 6.2 65
- 363 C-S Bond Activation. *Topics in Current Chemistry*, **2018**, 376, 13 7.2 64
- 362 Cobalt-catalyzed regioselective dehydrohalogenation of alkyl halides with dimethylphenylsilylmethylmagnesium chloride. *Journal of the American Chemical Society*, **2008**, 130, 11276-7 16.4 64
- 361 Nickel-catalyzed regio- and stereoselective silylation of terminal alkenes with silacyclobutanes: facile access to vinylsilanes from alkenes. *Journal of the American Chemical Society*, **2007**, 129, 6094-5 16.4 64
- 360 Synthesis of ultrafine Gd2O3 nanoparticles inside single-wall carbon nanohorns. *Journal of Physical Chemistry B*, **2006**, 110, 5179-81 3.4 64
- 359 Recent advances in transition-metal-catalyzed intermolecular carbomagnesiation and carbozincation. *Beilstein Journal of Organic Chemistry*, **2013**, 9, 278-302 2.5 63
- 358 Chromium-catalyzed arylmagnesiation of alkynes. *Organic Letters*, **2007**, 9, 1569-71 6.2 63
- 357 Boron trifluoride-catalyzed reaction of alkyl fluoride with silyl enolate, allylsilane, and hydrosilane. *Tetrahedron Letters*, **2004**, 45, 2555-2557 2 63
- 356 Facile preparation of Ehaloporphyrins as useful precursors of Esubstituted porphyrins. *Organic Letters*, **2014**, 16, 972-5 6.2 62
- 355 Straightforward access to aryl-substituted tetrathiafulvalenes by palladium-catalysed direct C-H arylation and their photophysical and electrochemical properties. *Chemical Science*, **2011**, 2, 2017 9.4 62
- 354 Synthesis of epoxides by palladium-catalyzed reactions of tertiary allyl alcohols with aryl or alkenyl halides. *Journal of the American Chemical Society*, **2009**, 131, 2052-3 16.4 61
- 353 Cobalt-catalyzed Cross-coupling Reaction of Chloropyridines with Grignard Reagents. *Chemistry Letters*, **2004**, 33, 1240-1241 1.7 61
- 352 Triethylborane-Induced Radical Reaction with Schwartz Reagent. *Journal of the American Chemical Society*, **2001**, 123, 3137-3138 16.4 60
- 351 Palladium-Catalyzed Borylation of Aryl Sulfoniums with Diborons. *ACS Catalysis*, **2018**, 8, 579-583 13.1 60

- 350 Cobalt-catalyzed syn hydrophosphination of alkynes. *Angewandte Chemie - International Edition*, **2005**, 44, 2368-70 16.4 59
- 349 Nickel-Catalyzed Boron Insertion into the C2-O Bond of Benzofurans. *Journal of the American Chemical Society*, **2016**, 138, 15315-15318 16.4 58
- 348 Nickel-catalyzed borylative ring-opening reaction of vinylcyclopropanes with bis(pinacolato)diboron yielding allylic boronates. *Organic Letters*, **2008**, 10, 4677-9 6.2 58
- 347 Cobalt-catalyzed isomerization of 1-alkenes to (E)-2-alkenes with dimethylphenylsilylmethylmagnesium chloride and its application to the stereoselective synthesis of (E)-alkenylsilanes. *Chemistry - an Asian Journal*, **2009**, 4, 1078-83 4.5 56
- 346 Cobalt-Catalyzed Coupling Reaction of Alkyl Halides with Allylic Grignard Reagents. *Angewandte Chemie*, **2002**, 114, 4311-4313 3.6 56
- 345 Triethylborane-induced radical reactions with gallium hydride reagent HGaCl<sub>2</sub>. *Organic Letters*, **2001**, 3, 1853-5 6.2 56
- 344 Aromatic metamorphosis: conversion of an aromatic skeleton into a different ring system. *Chemical Communications*, **2017**, 53, 4055-4065 5.8 55
- 343 Cobalt- and rhodium-catalyzed cross-coupling reaction of allylic ethers and halides with organometallic reagents. *Tetrahedron*, **2006**, 62, 1410-1415 2.4 55
- 342 Radical Reaction by a Combination of Phosphinic Acid and a Base in Aqueous Media. *Bulletin of the Chemical Society of Japan*, **2001**, 74, 225-235 5.1 55
- 341 Cobalt-catalyzed arylzincation of alkynes. *Organic Letters*, **2009**, 11, 2373-5 6.2 53
- 340 Synthesis of (arylalkenyl)silanes by palladium-catalyzed regioselective and stereoselective allyl transfer from silyl-substituted homoallyl alcohols to aryl halides. *Journal of the American Chemical Society*, **2007**, 129, 12650-1 16.4 53
- 339 Nickel-catalyzed alkylation of aldehydes with trialkylboranes. *Organic Letters*, **2005**, 7, 4689-91 6.2 53
- 338 Radical alkenylation of alpha-halo carbonyl compounds with alkenylindiums. *Organic Letters*, **2004**, 6, 4555-8 6.2 53
- 337 Regioselective C-H Sulfanylation of Aryl Sulfoxides by Means of Pummerer-Type Activation. *Organic Letters*, **2017**, 19, 4552-4555 6.2 51
- 336 Highly planar diarylamine-fused porphyrins and their remarkably stable radical cations. *Chemical Science*, **2017**, 8, 189-199 9.4 51
- 335 Palladium-catalyzed benzylic arylation of N-benzylxanthone imine. *Organic Letters*, **2008**, 10, 4689-91 6.2 51
- 334 Effective meso fabrications of subporphyrins. *Angewandte Chemie - International Edition*, **2012**, 51, 5593-16.4 50
- 333 Nickel-catalyzed allylation of allyl carbonates with homoallyl alcohols via retro-allylation providing 1,5-hexadienes. *Organic Letters*, **2008**, 10, 1629-32 6.2 47



332	Spontaneous Formation of an Air-Stable Radical upon the Direct Fusion of Diphenylmethane to a Triarylporphyrin. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 8711-4	16.4	47
331	Homolytic substitution at phosphorus for C-P bond formation in organic synthesis. <i>Beilstein Journal of Organic Chemistry</i> , <b>2013</b> , 9, 1269-77	2.5	46
330	Synthesis of arylallenes by palladium-catalyzed retro-propargylation of homopropargyl alcohols. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 5048-9	16.4	46
329	Zinc-catalyzed nucleophilic substitution reaction of chlorosilanes with organomagnesium reagents. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 1415-7	4.2	45
328	Cobalt-Mediated Mizoroki-Heck-Type Reaction of Epoxide with Styrene. <i>Advanced Synthesis and Catalysis</i> , <b>2004</b> , 346, 1631-1634	5.6	45
327	Cross-coupling of Aryl Sulfides Powered by N-Heterocyclic Carbene Ligands. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , <b>2016</b> , 74, 1119-1127	0.2	45
326	Palladium-catalyzed formal cycloaddition of silacyclobutanes with enones: synthesis of eight-membered cyclic silyl enolates. <i>Organic Letters</i> , <b>2008</b> , 10, 2199-201	6.2	44
325	Triethylborane-induced radical reactions with gallium- and indium hydrides. <i>Tetrahedron</i> , <b>2003</b> , 59, 6627-6635	6.3	44
324	Directly Diphenylborane-Fused Porphyrins. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 3196-9	16.4	42
323	Radical phosphination of organic halides and alkyl imidazole-1-carbothioates. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 4240-1	16.4	42
322	Synthesis of Spirocyclic Diarylfluorenes by One-Pot Twofold S <sub>N</sub> Ar Reactions of Diaryl Sulfones with Diarylmethanes. <i>Organic Letters</i> , <b>2016</b> , 18, 384-7	6.2	41
321	Palladium-catalyzed cross-coupling of unactivated aryl sulfides with arylzinc reagents under mild conditions. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 13146-9	4.8	41
320	Palladium-catalyzed preparation of silyl enolates from alpha,beta-unsaturated ketones or cyclopropyl ketones with hydrosilanes. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 7986-9	4.2	41
319	Cobalt-catalyzed sequential cyclization/cross-coupling reactions of 6-halo-1-hexene derivatives with Grignard reagents and their application to the synthesis of 1,3-diols. <i>Tetrahedron</i> , <b>2007</b> , 63, 8609-8618	2.4	41
318	Palladium-catalyzed selective direct arylation of porphyrins. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 8867-70	16.4	40
317	Nucleophilic aromatic substitution reaction of nitroarenes with alkyl- or arylthio groups in dimethyl sulfoxide by means of cesium carbonate. <i>Tetrahedron</i> , <b>2006</b> , 62, 2357-2360	2.4	40
316	meso,Oligohaloporphyrins as Useful Synthetic Intermediates of Diphenylamine-Fused Porphyrin and meso-to-meso Eo-Doubly Butadiyne-Bridged Diporphyrin. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 6311-4	16.4	39
315	Silver-catalyzed transmetalation between chlorosilanes and aryl and alkenyl Grignard reagents for the synthesis of tetraorganosilanes. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 5833-5	16.4	39

- 314 Radical Cyclization Reaction Using a Combination of Phosphinic Acid and a Base in Aqueous Ethanol. *Chemistry Letters*, **2000**, 29, 104-105 1.7 39
- 313 Hydroxo-iridium-Catalyzed Hydroalkylation of Terminal Alkenes with Ureas by C(sp<sup>3</sup>)-H Bond Activation. *Angewandte Chemie - International Edition*, **2017**, 56, 7200-7204 16.4 38
- 312 Selective H/D Exchange at Vinyl and Methylidene Groups with D<sub>2</sub>O Catalyzed by an Iridium Complex. *Organic Letters*, **2016**, 18, 3674-7 6.2 38
- 311 Synthesis of alkylidenecyclopropanes by palladium-catalyzed reaction of propargyl-substituted malonate esters with aryl halides by anti-carbopalladation pathway. *Journal of the American Chemical Society*, **2011**, 133, 9682-5 16.4 38
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- 309 Silylcupration and Copper-Catalyzed Carbomagnesiation of Ynamides: Application to Aza-Claisen Rearrangement. *Bulletin of the Chemical Society of Japan*, **2008**, 81, 373-379 5.1 38
- 308 Nickel-catalyzed 1,4-addition of trialkylboranes to  $\alpha,\beta$ -unsaturated esters: dramatic enhancement by addition of methanol. *Organic Letters*, **2007**, 9, 1541-4 6.2 38
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- 306 Sigmatropic Rearrangements of Hypervalent-Iodine-Tethered Intermediates for the Synthesis of Biaryls. *Angewandte Chemie - International Edition*, **2018**, 57, 4663-4667 16.4 37
- 305 Palladium-Catalyzed ipso-Borylation of Aryl Sulfides with Diborons. *Organic Letters*, **2016**, 18, 2966-9 6.2 37
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- 302 Radical Addition of 2-Iodoalkylamide or 2-Iodoalkanoic Acid to Alkenes with a Water-Soluble Radical Initiator in Aqueous Media: Facile Synthesis of  $\beta$ -Lactones. *Bulletin of the Chemical Society of Japan*, **2001**, 74, 1963-1970 5.1 37
- 301 Palladium-catalyzed benzylic direct arylation of benzyl sulfones with aryl halides. *Tetrahedron*, **2009**, 65, 1971-1976 2.4 36
- 300 Nickel-catalyzed borylation of aryl cyclopropyl ketones with bis(pinacolato)diboron to synthesize 4-oxoalkylboronates. *Journal of Organic Chemistry*, **2009**, 74, 3196-8 4.2 36
- 299 Sigmatropic Dearomatization/Defluorination Strategy for C-F Transformation: Synthesis of Fluorinated Benzofurans from Polyfluorophenols. *Angewandte Chemie - International Edition*, **2018**, 57, 14230-14234 16.4 36
- 298 Triethylborane-induced radical allylation of  $\alpha$ -halo carbonyl compounds with allylgallium reagent in aqueous media. *Tetrahedron Letters*, **2001**, 42, 4535-4538 2 35
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296	Practical, Modular, and General Synthesis of Benzofurans through Extended Pummerer Annulation/Cross-Coupling Strategy. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 7640-7643	3.6	34
295	Nickel-catalysed reactions with trialkylboranes and silacyclobutanes. <i>Chemical Communications</i> , <b>2008</b> , 3234-41	5.8	34
294	Intermolecular radical addition of alkylthio- and arylthiodiphenylphosphines to terminal alkynes. <i>Organic Letters</i> , <b>2008</b> , 10, 1155-7	6.2	34
293	Gallium-mediated allyl transfer from bulky homoallylic alcohol to aldehydes via retro-allylation: stereoselective synthesis of both erythro- and threo-homoallylic alcohols. <i>Organic Letters</i> , <b>2005</b> , 7, 3577-9 <sup>2</sup>	6.2	34
292	Controlling the incorporation and release of C60 in nanometer-scale hollow spaces inside single-wall carbon nanohorns. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 17861-7	3.4	34
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33	Synthesis of (2-Arylethylidene)cyclobutanes by Palladium-Catalyzed Reactions of Aryl Halides with Homoallyl Alcohols Bearing a Trimethylene Group at the Allylic Position. <i>Synlett</i> , <b>2009</b> , 2009, 2177-2179	2.2	2
32	Nickel-Catalyzed Cross-Coupling Reactions of Alkyl Aryl Sulfides and Alkenyl Alkyl Sulfides with Alkyl Grignard Reagents Using (Z)-3,3-Dimethyl-1,2-bis(diphenylphosphino)but-1-ene as Ligand. <i>Synthesis</i> , <b>2008</b> , 2008, 2659-2664	2.9	2
31	Handbook of Functionalized Organometallics. Applications in Synthesis. 2. Bde. Herausgegeben von Paul Knochel.. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 200-200	3.6	2
30	Regio- and Stereoselective Approach to 1,2-Di- and 1,1,2-Trisilylethenes by Cobalt-Mediated Reaction of Silyl-Substituted Dibromomethanes with Silylmethylmagnesium Reagents. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 3554-3556	3.6	2
29	Tin-Hydride-Mediated Radical Addition of Alkyl Halides to 2-Methylene-1,3-dithiane Monoxide as a Ketene Equivalent. <i>Heterocycles</i> , <b>2010</b> , 80, 259	0.8	2
28	Palladium-Catalyzed peri-Selective C <sub>H</sub> Fluoroalkoxylation of Aryl Sulfoxides. <i>ChemCatChem</i> , <b>2020</b> , 12, 3467-3471	5.2	2
27	Sodium silylsilanolate enables nickel-catalysed silylation of aryl chlorides. <i>Chemical Communications</i> , <b>2021</b> , 57, 6867-6870	5.8	2

26	Mechanistic Investigation of a Synthetic Route to Biaryls by the Sigmatropic Rearrangement of Arylsulfonium Species. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 13450-13456	4.8	2
25	Base-Free Palladium-Catalyzed Hydrodechlorination of Aryl Chlorides with Pinacol Borane. <i>ChemistrySelect</i> , <b>2017</b> , 2, 1723-1727	1.8	1
24	Iridium-Catalyzed Intramolecular Oxidative Cyclization of Alkenyl Amides and Alkenoic Acids. <i>Synthesis</i> , <b>2017</b> , 49, 4272-4282	2.9	1
23	Dimeric 1:2 adduct of $\pi$ -bis(diphenylphosphino)porphyrin with silver(I) chloride. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2015</b> , 19, 171-174	1.8	1
22	Trimethylsilylmethylmagnesium Chloride <b>2016</b> , 1-11		1
21	Copper-Catalyzed Ring-Opening Silylation of Benzofurans with Disilane. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 11196-11200	3.6	1
20	Synthesis of 4-aryl- and 4-acyl-1,3-dithiole-2-thiones via deprotonative zincation of 1,3-dithiole-2-thione. <i>Heteroatom Chemistry</i> , <b>2018</b> , 29, e21432	1.2	1
19	Copper-Catalyzed Twofold Silylmetalation of Alkynes. <i>Synlett</i> , <b>2019</b> , 30, 1551-1554	2.2	1
18	Bis(bicyclo[2.2.1]hepta-2,5-diene)-dichlorodirhodium <b>2008</b> ,		1
17	Triethylborane-induced hydrogermylation of alkenes with tri-2-furylgermane. <i>Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry</i> , <b>2001</b> , 4, 461-470		1
16	Reductive Ring Opening of Arylcyclopropanecarboxamides Accompanied by Borylation and Enolate Formation.. <i>Organic Letters</i> , <b>2022</b> ,	6.2	1
15	Construction of 5H-Dibenzo[c,e]azepine Framework from Dibenzothiophene Dioxides and N-Benzylimines through SNAr Reactions. <i>Helvetica Chimica Acta</i> , <b>2021</b> , 104, e2100195	2	1
14	2-Alkylidene-1,3-dithiane Monoxides as Activated Alkenes in Rhodium-Catalyzed Addition Reaction of Arylboronic Acids. <i>Heterocycles</i> , <b>2008</b> , 76, 679	0.8	1
13	Synthesis of Tetraorganosilanes: (Chloromethyl)Dimethylphenylsilane <b>2010</b> , 178-183		1
12	Generation of Aryllithium Reagents from N-Arylpyrroles Using Lithium. <i>Synthesis</i> , <b>2021</b> , 53, 3019-3028	2.9	1
11	Electron injection for aromatic metamorphosis of indole. <i>Journal of the Chinese Chemical Society</i> , <b>2021</b> , 68, 536-540	1.5	1
10	The dioxasilepanyl group as a versatile organometallic unit: studies on stability, reactivity, and utility. <i>Chemical Science</i> , <b>2021</b> , 12, 9546-9555	9.4	1
9	Sulfonium-aided coupling of aromatic rings via sigmatropic rearrangement.. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>2022</b> , 98, 190-205	4	1

8	Copper-Catalyzed Electrophilic Amination of Alkoxyarylsilanes. <i>European Journal of Organic Chemistry</i> , <b>2020</b> , 2020, 4018-4021	3.2	o
7	Reductive Cleavage of Propargylic Ethers with Alkali Metal: Application to the Synthesis of Allenylboronates. <i>Organic Letters</i> , <b>2021</b> , 23, 8590-8594	6.2	o
6	Sodium silylsilanolate as a precursor of silylcopper species.. <i>Chemical Science</i> , <b>2022</b> , 13, 4334-4340	9.4	o
5	Late-stage sulfonic acid/sulfonate formation from sulfonamides via sulfonyl pyrroles. <i>Tetrahedron</i> , <b>2022</b> , 132830	2.4	o
4	Dibenzothiophene 5,5-Dioxide <b>2017</b> , 1-2		
3	Palladium-Catalyzed Tetraarylation of 5,15-Dialkylporphyrins with Aryl Bromides. <i>Heterocycles</i> , <b>2014</b> , 88, 223	0.8	
2	Four-Component Coupling Strategy for 2,3,4-Trisubstituted 3,4-Dihydroquinoline. <i>Heterocycles</i> , <b>2019</b> , 99, 301	0.8	
1	Construction of Biaryls from Aryl Sulfoxides and Anilines by Means of a Sigmatropic Rearrangement. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 758	4.8	