

Teck-Peng Loh

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452
papers

17,855
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74
h-index

102
g-index

615
ext. papers

20,065
ext. citations

6.6
avg, IF

7.32
L-index

#	Paper	IF	Citations
452	Copper-catalyzed olefinic trifluoromethylation of enamides at room temperature. <i>Chemical Science</i> , 2012 , 3, 3458	9.4	220
451	Facile synthesis of bis(indolyl)methanes using catalytic amount of iodine at room temperature under solvent-free conditions. <i>Tetrahedron</i> , 2004 , 60, 2051-2055	2.4	211
450	First application of attractive intramolecular interactions to the design of chiral catalysts for highly enantioselective Diels-Alder reactions. <i>Journal of the American Chemical Society</i> , 1991 , 113, 8966-8967	16.4	210
449	Rhodium-catalyzed C-H alkynylation of arenes at room temperature. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2722-6	16.4	203
448	Morita-Baylis-Hillman adduct derivatives (MBHADs): versatile reactivity in Lewis base-promoted annulation. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 8578-95	3.9	197
447	Organoindium reagents: the preparation and application in organic synthesis. <i>Chemical Reviews</i> , 2013 , 113, 271-401	68.1	195
446	Rhodium-catalysed C(sp ²)-C(sp ²) bond formation via C-H/C-F activation. <i>Nature Communications</i> , 2015 , 6, 7472	17.4	167
445	Palladium-catalyzed direct arylation of cyclic enamides with aryl silanes by sp ² C-H activation. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5355-7	16.4	164
444	Direct cross-coupling reaction of simple alkenes with acrylates catalyzed by palladium catalyst. <i>Journal of the American Chemical Society</i> , 2009 , 131, 1372-3	16.4	164
443	Facile Ionic Liquids-Promoted One-Pot Synthesis of Polyhydroquinoline Derivatives under Solvent Free Conditions. <i>Synlett</i> , 2004 , 2004, 0831-0835	2.2	146
442	l-Proline in an ionic liquid as an efficient and reusable catalyst for direct asymmetric aldol reactions. <i>Tetrahedron Letters</i> , 2002 , 43, 8741-8743	2	145
441	Indium Trichloride-Catalyzed Conjugate Addition of Amines to α,β -Ethylene Compounds in Water. <i>Synlett</i> , 1998 , 1998, 975-976	2.2	145
440	Catalytic and direct methyl sulfonylation of alkenes and alkynes using a methyl sulfonyl radical generated from a DMSO, dioxygen and copper system. <i>Chemical Science</i> , 2014 , 5, 4939-4943	9.4	144
439	Copper- and cobalt-catalyzed direct coupling of sp ³ β -carbon of alcohols with alkenes and hydroperoxides. <i>Journal of the American Chemical Society</i> , 2015 , 137, 42-5	16.4	143
438	Discovery of indium complexes as water-tolerant Lewis acids. <i>Chemical Communications</i> , 2006 , 2739-49	5.8	141
437	Domino Cyclization Initiated by Cross-Rauhut-Currier Reactions. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 6213-6226	3.2	138
436	Palladium-catalyzed oxime assisted intramolecular dioxygenation of alkenes with 1 atm of air as the sole oxidant. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6284-5	16.4	138

435	Directing-group-assisted copper-catalyzed olefinic trifluoromethylation of electron-deficient alkenes. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 12414-7	16.4	131
434	Pd-catalyzed intramolecular C-N bond cleavage, 1,4-migration, sp ³ C-H activation, and Heck reaction: four controllable diverse pathways depending on the judicious choice of the base and ligand. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1341-7	16.4	130
433	Efficient FeIII-Catalyzed Synthesis of Bis(indolyl)methanes in Ionic Liquids. <i>European Journal of Organic Chemistry</i> , 2004 , 2004, 1584-1587	3.2	129
432	Development of a highly alpha-regioselective metal-mediated allylation reaction in aqueous media: new mechanistic proposal for the origin of alpha-homoallylic alcohols. <i>Journal of the American Chemical Society</i> , 2003 , 125, 2958-63	16.4	129
431	The origin of greater than 200:1 enantioselectivity in a catalytic Diels-Alder reaction as revealed by physical and chemical studies. <i>Journal of the American Chemical Society</i> , 1992 , 114, 8290-8292	16.4	127
430	Catalytic enantioselective diels-alder addition to furan provides a direct synthetic route to many chiral natural products. <i>Tetrahedron Letters</i> , 1993 , 34, 3979-3982	2	125
429	Synthesis and characterization of a cyclic vinylpalladium(II) complex: vinylpalladium species as the possible intermediate in the catalytic direct olefination reaction of enamide. <i>Chemical Science</i> , 2011 , 2, 1822	9.4	122
428	Palladium-catalyzed direct C-H arylation of enamides with simple arenes. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 5701-5	16.4	121
427	Recent Advances in Radical-Initiated C(sp ³) π Bond Oxidative Functionalization of Alkyl Nitriles. <i>ACS Catalysis</i> , 2018 , 8, 258-271	13.1	120
426	Highly enantio-, regio- and diastereo-selective one-pot [2 + 3]-cycloaddition reaction via isomerization of 3-butynoates to allenates,. <i>Chemical Science</i> , 2010 , 1, 739	9.4	118
425	Stereo- and chemoselective cross-coupling between two electron-deficient acrylates: an efficient route to (Z,E)-muconate derivatives. <i>Journal of the American Chemical Society</i> , 2015 , 137, 3169-72	16.4	115
424	Copper-catalyzed highly regioselective silylcupration of terminal alkynes to form π -vinylsilanes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 1254-6	16.4	114
423	Phosphine-catalyzed domino reaction: highly stereoselective synthesis of trans-2,3-dihydrobenzofurans from salicyl N-thiophosphinyl imines and allylic carbonates. <i>Organic Letters</i> , 2010 , 12, 3768-71	6.2	114
422	Prins cyclizations in silyl additives with suppression of epimerization: versatile tool in the synthesis of the tetrahydropyran backbone of natural products. <i>Organic Letters</i> , 2005 , 7, 4491-4	6.2	114
421	Palladium-catalyzed decarboxylative cross-coupling of alkynyl carboxylic acids with arylboronic acids. <i>Chemical Communications</i> , 2010 , 46, 4779-81	5.8	113
420	Rhodium-catalyzed direct ortho C-H olefination of phenol derivatives. <i>Chemical Communications</i> , 2011 , 47, 10458-60	5.8	112
419	Ruthenium- and rhodium-catalyzed cross-coupling reaction of acrylamides with alkenes: efficient access to (Z,E)-dienamides. <i>Chemical Communications</i> , 2012 , 48, 11232-4	5.8	110
418	Indium trichloride (InCl ₃) catalysed Diels-Alder reaction in water. <i>Chemical Communications</i> , 1996 , 2315-2316	3.86	109

4 ¹⁷	Rhodium(III)-catalyzed olefinic C-H alkynylation of enamides at room temperature. <i>Chemical Communications</i> , 2014 , 50, 9865-8	5.8	108
4 ¹⁶	Cu(I) Tol-BINAP-catalyzed enantioselective Michael reactions of Grignard reagents and unsaturated esters. <i>Journal of the American Chemical Society</i> , 2007 , 129, 276-7	16.4	108
4 ¹⁵	Mild Rh(III)-catalyzed direct C-H bond arylation of (hetero)arenes with arylsilanes in aqueous media. <i>Organic Letters</i> , 2014 , 16, 2614-7	6.2	107
4 ¹⁴	Novel one-pot Mannich-type reaction in water: Indium trichloride-catalyzed condensation of aldehydes, amines and silyl enol ethers for the synthesis of β -amino ketones and esters. <i>Tetrahedron Letters</i> , 1998 , 39, 323-326	2	107
4 ¹³	Oxidant-free Rh(III)-catalyzed direct C-H olefination of arenes with allyl acetates. <i>Organic Letters</i> , 2013 , 15, 3670-3	6.2	106
4 ¹²	Three Component Synthesis of β -Amino Carbonyl Compounds Using Indium Trichloride-Catalyzed One-pot Mannich-type Reaction in Water. <i>Tetrahedron</i> , 2000 , 56, 3227-3237	2.4	105
4 ¹¹	Iron-catalyzed cascade carbochloromethylation of activated alkenes: highly efficient access to chloro-containing oxindoles. <i>Organic Letters</i> , 2014 , 16, 4698-701	6.2	100
4 ¹⁰	C-F Bond Cleavage Enabled Redox-Neutral [4+1] Annulation via C-H Bond Activation. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1762-1765	16.4	98
4 ⁰⁹	Catalytic asymmetric [4+2] annulation initiated by an aza-Rauhut-Currier reaction: facile entry to highly functionalized tetrahydropyridines. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 7825-9	16.4	98
4 ⁰⁸	Iron- or silver-catalyzed oxidative fluorination of cyclopropanols for the synthesis of β -fluoroketones. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 5105-9	3.9	97
4 ⁰⁷	Palladium-catalyzed C-C bond formation of arylhydrazines with olefins via carbon-nitrogen bond cleavage. <i>Organic Letters</i> , 2011 , 13, 6308-11	6.2	94
4 ⁰⁶	Synthesis of water-tolerant indium homoenolate in aqueous media and its application in the synthesis of 1,4-dicarbonyl compounds via palladium-catalyzed coupling with acid chloride. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15852-5	16.4	91
4 ⁰⁵	Direct arylation of cyclic enamides via Pd(ii)-catalyzed C-H activation. <i>Chemical Communications</i> , 2009 , 3472-4	5.8	90
4 ⁰⁴	Copper-catalyzed rearrangement of tertiary amines through oxidation of aliphatic C-H bonds in air or oxygen: direct synthesis of β -amino acetals. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8417-20	16.4	90
4 ⁰³	Rhodium(III)-catalyzed C7-position C-H alkenylation and alkynylation of indolines. <i>Chemical Communications</i> , 2015 , 51, 2532-5	5.8	89
4 ⁰²	Visible-Light-Promoted Carboimination of Unactivated Alkenes for the Synthesis of Densely Functionalized Pyrroline Derivatives. <i>ACS Catalysis</i> , 2016 , 6, 5571-5574	13.1	89
4 ⁰¹	Rhodium(III)-catalyzed olefinic C-H alkynylation of acrylamides using tosyl-imide as directing group. <i>Organic Letters</i> , 2014 , 16, 5956-9	6.2	89
4 ⁰⁰	Manganese-catalyzed synthesis of monofluoroalkenes via C-H activation and C-F cleavage. <i>Chemical Communications</i> , 2017 , 53, 8731-8734	5.8	88

399	Synthesis of Highly Substituted Racemic and Enantioenriched Allenylsilanes via Copper-Catalyzed Hydrosilylation of (Z)-2-Alken-4-ynoates with Silylboronate. <i>Journal of the American Chemical Society</i> , 2015 , 137, 14830-3	16.4	88
398	Demonstration of the Synthetic Power of Oxazaborolidine-Catalyzed Enantioselective Diels-Alder Reactions by Very Efficient Routes to Cassiol and Gibberellic Acid. <i>Journal of the American Chemical Society</i> , 1994 , 116, 3611-3612	16.4	88
397	Catalytic enantioselective allylation of ketones via a chiral indium(III) complex. <i>Organic Letters</i> , 2005 , 7, 2743-5	6.2	86
396	Indium-mediated reaction of trialkylsilyl propargyl bromide with aldehydes: highly regioselective synthesis of allenic and homopropargylic alcohols. <i>Journal of the American Chemical Society</i> , 2003 , 125, 13042-3	16.4	85
395	Palladium-Catalyzed Regiocontrollable Reductive Heck Reaction of Unactivated Aliphatic Alkenes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9332-9336	16.4	83
394	β -Amination of aldehydes catalyzed by in situ generated hypiodite. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 9105-9	16.4	83
393	Palladium-catalyzed bisolefination of C-C triple bonds: a facile method for the synthesis of naphthalene derivatives. <i>Journal of the American Chemical Society</i> , 2010 , 132, 17710-2	16.4	83
392	Formation of tetrahydrofuran from homoallylic alcohol via a tandem sequence: 2-oxonia. <i>Journal of the American Chemical Society</i> , 2001 , 123, 2450-1	16.4	83
391	Stereocontrolled total synthesis of (+)- and (-)-epibatidine. <i>Journal of Organic Chemistry</i> , 1993 , 58, 5600-5602	16.4	83
390	Transition-metal-free synthesis of substituted pyridines via ring expansion of 2-allyl-2H-azirines. <i>Organic Letters</i> , 2014 , 16, 3432-5	6.2	82
389	Efficient Synthesis of Bis(indolyl)methanes Catalyzed by Lewis Acids in Ionic Liquids. <i>Synlett</i> , 2003 , 2003, 2077-2079	2.2	81
388	Diverse cyclization catalyzed by In(OTf) ₃ for the convergent assembly of substituted tetrahydrofurans and tetrahydropyrans. <i>Organic Letters</i> , 2001 , 3, 2669-72	6.2	81
387	Chelation-Assisted Rhodium-Catalyzed Direct Amidation with Amidobenziodoxolones: C(sp ²) β , C(sp ³) β , and Late-Stage Functionalizations. <i>ACS Catalysis</i> , 2016 , 6, 5930-5934	13.1	81
386	A Highly Enantioselective Indium-Mediated Allylation Reaction of Aldehydes. <i>Organic Letters</i> , 1999 , 1, 1855-1857	6.2	80
385	Transition metal-catalyzed cross-coupling reactions using organoindium reagents. <i>Chemical Society Reviews</i> , 2017 , 46, 586-602	58.5	77
384	Indium trichloride catalysed Mukaiyama aldol reaction in water. <i>Chemical Communications</i> , 1996 , 1819	5.8	77
383	Expedient synthesis of pyrroloquinolinones by Rh-catalyzed annulation of N-carbamoyl indolines with alkynes through a directed C-H functionalization/C-N cleavage sequence. <i>Organic Letters</i> , 2015 , 17, 1481-4	6.2	76
382	Copper-Catalyzed Vicinal Oxyazidation and Diazidation of Styrenes under Mild Conditions: Access to Alkyl Azides. <i>Organic Letters</i> , 2015 , 17, 6110-3	6.2	76

- 381 InCl(3)-catalyzed three-component asymmetric Mannich-type reaction in methanol. *Organic Letters*, **2002**, 4, 3647-50 6.2 76
- 380 Highly enantioselective allylation of aldehydes catalyzed by indium(III)-PYBOX complex. *Organic Letters*, **2005**, 7, 159-61 6.2 75
- 379 Indium trichloride-promoted tin-mediated carbonyl allylation in water: High simple diastereo- and diastereofacial selectivity. *Tetrahedron: Asymmetry*, **1996**, 7, 1535-1538 75
- 378 Tripeptide inhibitors of dengue and West Nile virus NS2B-NS3 protease. *Antiviral Research*, **2011**, 92, 96-101 10.8 74
- 377 Phosphine-catalyzed one-pot isomerization of 3-alkynoates and [2 + 3]-cycloaddition with imines: formal synthesis of Securinegaalkaloid (β)-allosecurinine. *Chemical Science*, **2011**, 2, 1988 9.4 74
- 376 Allenamides as orthogonal handles for selective modification of cysteine in peptides and proteins. *Angewandte Chemie - International Edition*, **2014**, 53, 7491-4 16.4 73
- 375 Indium(III) iodide-mediated Strecker reaction in water: an efficient and environmentally friendly approach for the synthesis of β -aminonitrile via a three-component condensation. *Tetrahedron*, **2008**, 64, 8159-8163 2.4 73
- 374 F Nucleophilic-Addition-Induced Allylic Alkylation. *Journal of the American Chemical Society*, **2016**, 138, 15869-15872 16.4 72
- 373 Rhodium(iii)-catalyzed C-H allylation of electron-deficient alkenes with allyl acetates. *Chemical Communications*, **2015**, 51, 342-5 5.8 71
- 372 The acid free asymmetric intermolecular β -alkylation of aldehydes in fluorinated alcohols. *Chemical Communications*, **2012**, 48, 3548-50 5.8 71
- 371 Enantioselective cationic polyene cyclization vs enantioselective intramolecular carbonyl-ene reaction. *Journal of the American Chemical Society*, **2010**, 132, 10242-4 16.4 71
- 370 Silicon as a directing group in the phosphine-catalyzed [2+3]-cycloaddition of aryl allenones with electron-deficient olefins. *Chemical Communications*, **2009**, 1568-70 5.8 71
- 369 Phosphine-mediated domino benzannulation strategy for the construction of highly functionalized multiaryl skeletons. *Chemistry - A European Journal*, **2012**, 18, 7362-6 4.8 70
- 368 Divergent Functionalization of Indoles with Acryloyl Silanes via Rhodium-Catalyzed C-H Activation. *Organic Letters*, **2015**, 17, 3210-3 6.2 68
- 367 Selective Alkenylation and Hydroalkenylation of Enol Phosphates through Direct C-H Functionalization. *Angewandte Chemie - International Edition*, **2015**, 54, 15535-9 16.4 68
- 366 Highly enantioselective carbonyl-ene reactions catalyzed by In(III)-PyBox complex. *Journal of the American Chemical Society*, **2008**, 130, 16492-3 16.4 67
- 365 Organocatalytic and Enantioselective Direct Vinylogous Michael Addition to Maleimides. *Advanced Synthesis and Catalysis*, **2008**, 350, 1796-1800 5.6 66
- 364 Highly stereoselective prins cyclization of (Z)- and (E)-gamma-brominated homoallylic alcohols to 2,4,5,6-tetrasubstituted tetrahydropyrans. *Organic Letters*, **2007**, 9, 2063-6 6.2 65

363	Organocatalytic synthesis of highly functionalized pyridines at room temperature. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8584-7	16.4	64
362	Lewis Acid-promoted intermolecular acetal-initiated cationic polyene cyclizations. <i>Journal of the American Chemical Society</i> , 2007 , 129, 492-3	16.4	64
361	Palladium-Catalyzed Fluoroarylation of gem-Difluoroalkenes. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9872-9876	16.4	63
360	Highly enantioselective intermolecular alkylation of aldehydes with alcohols by cooperative catalysis of diarylprolinol silyl ether with Brønsted acid. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 2890-4	4.5	61
359	Rhodium-Catalyzed C≡H Alkynylation of Arenes at Room Temperature. <i>Angewandte Chemie</i> , 2014 , 126, 2760-2764	3.6	60
358	Palladium(II)-catalyzed cross-coupling of simple alkenes with acrylates: a direct approach to 1,3-dienes through C≡H activation. <i>Chemical Science</i> , 2013 , 4, 4520	9.4	59
357	An unusual approach to the synthesis of enantiomerically cis linear homoallylic alcohols based on the steric interaction mechanism of camphor scaffold. <i>Organic Letters</i> , 2004 , 6, 1281-3	6.2	59
356	Visible Light-Mediated Trifluoromethylation of Fluorinated Alkenes via C≡H Bond Cleavage. <i>Advanced Synthesis and Catalysis</i> , 2018 , 360, 3894-3899	5.6	57
355	A highly stereoselective one-pot asymmetric synthesis of homoallylic amines and amino acids from aldehydes. <i>Tetrahedron Letters</i> , 1997 , 38, 865-868	2	57
354	A Highly Stereoselective Synthesis of β -Trifluoromethylated Homoallylic Alcohols in Water. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 980-982		57
353	An enantioselective allylation reaction of aldehydes in an aqueous medium. <i>Tetrahedron Letters</i> , 1999 , 40, 9115-9118	2	56
352	Suppression of epimerization due to selectivity leakage: an application towards the total synthesis of (±)-centrolbine. <i>Tetrahedron Letters</i> , 2006 , 47, 1641-1644	2	55
351	Palladium-Catalyzed Direct Alkynylation of N-Vinylacetamides. <i>Advanced Synthesis and Catalysis</i> , 2014 , 356, 1539-1543	5.6	54
350	Formal synthesis of (+)-SCH 351448: the Prins cyclization approach. <i>Chemical Communications</i> , 2007 , 939-41	5.8	54
349	Indium-mediated propargylation of aldehydes: regioselectivity and enantioselectivity studies. <i>Tetrahedron Letters</i> , 2003 , 44, 507-509	2	54
348	A catalytic enantioselective allylation reaction of aldehydes in an aqueous medium. <i>Tetrahedron Letters</i> , 2000 , 41, 5261-5264	2	54
347	Indium-copper and indium-silver mediated barbier-grignard-type alkylation reaction of aldehydes using unactivated alkyl halides in water. <i>Journal of Organic Chemistry</i> , 2008 , 73, 3922-4	4.2	53
346	Enantioselective allylation of ketones catalyzed by chiral In(III)-PYBOX complexes. <i>Chemical Communications</i> , 2005 , 4217-8	5.8	53

- 345 Catalytic asymmetric allylation of aldehydes via a chiral indium(III) complex. *Chemical Communications*, **2005**, 1318-20 5.8 53
- 344 An enantioselective indium-mediated allylation reaction of aldehydes and ketones in dichloromethane. *Tetrahedron Letters*, **1999**, 40, 9333-9336 2 53
- 343 Water-promoted C-S bond formation reactions. *Nature Communications*, **2018**, 9, 1321 17.4 52
- 342 Highly enantioselective Cu(I)-Tol-BINAP-catalyzed asymmetric conjugate addition of Grignard reagents to α,β -unsaturated esters. *Chemical Communications*, **2010**, 46, 8694-703 5.8 52
- 341 Functionalization of peptides and proteins by Mukaiyama aldol reaction. *Journal of the American Chemical Society*, **2010**, 132, 9546-8 16.4 52
- 340 Aldol reaction under solvent-free conditions: highly stereoselective synthesis of 1,3-amino alcohols. *Organic Letters*, **2000**, 2, 1291-4 6.2 52
- 339 Catalytic enantioselective Diels-Alder reaction via a chiral indium(III) complex. *Organic Letters*, **2005**, 7, 2539-41 6.2 51
- 338 Palladium-catalyzed cross-coupling of enamides with sterically hindered β -bromocarbonyls. *Chemical Communications*, **2016**, 52, 5617-20 5.8 50
- 337 Synthesis and Crystal Structure of Highly Strained [4]Cyclofluorene: Green-Emitting Fluorophore. *Organic Letters*, **2016**, 18, 172-5 6.2 50
- 336 Chemzymes: a new class of structurally rigid tricyclic amphibian organocatalyst inspired by natural product. *Organic Letters*, **2010**, 12, 1220-3 6.2 50
- 335 Enantioselective Michael Addition of Dicyanoolefins to α,β -Unsaturated Aldehydes in Aqueous Medium. *Advanced Synthesis and Catalysis*, **2008**, 350, 1781-1784 5.6 49
- 334 Lewis acid-catalyzed one-pot crossed Prins cyclizations using allylchlorosilane as allylating agent. *Tetrahedron Letters*, **2004**, 45, 8387-8390 2 49
- 333 Ytterbium trifluoromethanesulfonate [Yb(OTf)₃] promoted indium mediated allylation reactions of carbonyl compounds in aqueous media. *Tetrahedron: Asymmetry*, **1995**, 6, 1825-1828 49
- 332 Chelation versus Non-Chelation Control in the Stereoselective Alkenyl sp C-H Bond Functionalization Reaction. *Angewandte Chemie - International Edition*, **2017**, 56, 5091-5095 16.4 48
- 331 Chemical conversion of β -O-4 lignin linkage models through Cu-catalyzed aerobic amide bond formation. *Chemical Communications*, **2013**, 49, 11439-41 5.8 48
- 330 Radical-mediated diamination of alkenes with phenylhydrazine and azodicarboxylates: highly diastereoselective synthesis of trans-diamines from cycloalkenes. *Chemistry - A European Journal*, **2013**, 19, 5250-4 4.8 48
- 329 Macrolide Synthesis through Intramolecular Oxidative Cross-Coupling of Alkenes. *Angewandte Chemie - International Edition*, **2018**, 57, 555-559 16.4 48
- 328 Synthesis of multi-substituted pyrroles using enamides and alkynes catalyzed by Pd(OAc)₂ with molecular oxygen as an oxidant. *Chemical Communications*, **2014**, 50, 2784-6 5.8 47

327	Tunable Phosphine-Mediated Domino Reaction: Selective Synthesis of 2,3-Dihydrofurans and Biaryls. <i>Advanced Synthesis and Catalysis</i> , 2013 , 355, 161-169	5.6	47
326	Bifunctional amino sulfonohydrazide catalyzed direct asymmetric Mannich reaction of cyclic ketimines with ketones: highly diastereo- and enantioselective construction of quaternary carbon stereocenters. <i>Organic Letters</i> , 2015 , 17, 1050-3	6.2	47
325	Synthesis of multi-substituted vinylsilanes via copper(I)-catalyzed hydrosilylation reactions of allenes and propiolate derivatives with silylboronates. <i>Chemical Communications</i> , 2014 , 50, 7195-7	5.8	45
324	Indium-copper-mediated barbiere-grignard-type alkylation reaction of imines in aqueous media. <i>Organic Letters</i> , 2007 , 9, 5413-6	6.2	44
323	Asymmetric Mannich-type reactions catalyzed by indium(III) complexes in ionic liquids. <i>Tetrahedron Letters</i> , 2003 , 44, 2405-2408	2	44
322	The First In(OTf) ₃ -Catalyzed Conversion of Kinetically Formed Homoallylic Alcohols into the Thermodynamically Preferred Regioisomers: Application to the Synthesis of 22 β -Sterols. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 2921-2922	16.4	44
321	Redox-Neutral Rhodium-Catalyzed [4+1] Annulation through Formal Dehydrogenative Vinylidene Insertion. <i>ChemSusChem</i> , 2017 , 10, 58-61	8.3	43
320	Lewis Acid-Catalyzed Selective [2 + 2]-Cycloaddition and Dearomatizing Cascade Reaction of Aryl Alkynes with Acrylates. <i>Journal of the American Chemical Society</i> , 2017 , 139, 13570-13578	16.4	43
319	Asymmetric hetero-Diels-Alder reaction of Danishefsky β dienes with β -carbonyl esters catalyzed by an indium(III)-pybox complex. <i>Organic Letters</i> , 2013 , 15, 2914-7	6.2	43
318	Direct synthesis of water-tolerant alkyl indium reagents and their application in palladium-catalyzed couplings with aryl halides. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 511-4	16.4	43
317	InBr ₃ Catalyzed intermolecular hydroamination of unactivated alkenes. <i>Tetrahedron Letters</i> , 2007 , 48, 3375-3377	2	43
316	Catalytic enantioselective Diels-Alder reaction in ionic liquid via a recyclable chiral In(III) complex. <i>Organic Letters</i> , 2006 , 8, 5999-6001	6.2	43
315	Preparation of highly substituted (β -acylamino)acrylates via iron-catalyzed alkoxyacylation of N-vinylacetamides with carbazates. <i>Chemical Communications</i> , 2014 , 50, 11661-4	5.8	42
314	Phosphine-catalyzed domino reaction for the synthesis of conjugated 2,3-dihydrofurans from allenolates and Nazarov reagents. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 1533-7	4.5	42
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