

Yoshinori Yamamoto

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801 papers	39,213 citations	95 h-index	158 g-index
1,107 ext. papers	42,394 ext. citations	6.3 avg, IF	7.53 L-index

#	Paper	IF	Citations
801	Selective reactions using allylic metals. <i>Chemical Reviews</i> , 1993 , 93, 2207-2293	68.1	1364
800	Transition-metal-catalyzed reactions in heterocyclic synthesis. <i>Chemical Reviews</i> , 2004 , 104, 2127-98	68.1	1315
799	Coinage metal-assisted synthesis of heterocycles. <i>Chemical Reviews</i> , 2008 , 108, 3395-442	68.1	1034
798	Recent advances in the transition-metal-catalyzed regioselective approaches to polysubstituted benzene derivatives. <i>Chemical Reviews</i> , 2000 , 100, 2901-16	68.1	960
797	Atomic origins of the high catalytic activity of nanoporous gold. <i>Nature Materials</i> , 2012 , 11, 775-80	27	687
796	AuCl(3)-catalyzed benzannulation: synthesis of naphthyl ketone derivatives from o-alkynylbenzaldehydes with alkynes. <i>Journal of the American Chemical Society</i> , 2002 , 124, 12650-1	16.4	381
795	From sigma- to pi-electrophilic Lewis acids. Application to selective organic transformations. <i>Journal of Organic Chemistry</i> , 2007 , 72, 7817-31	4.2	348
794	Lewis acid-catalyzed benzannulation via unprecedented [4+2] cycloaddition of o-alkynyl(oxo)benzenes and enynals with alkynes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 10921-5	16.4	348
793	Transition Metal-Catalyzed Reactions of Methylenecyclopropanes. <i>Advanced Synthesis and Catalysis</i> , 2002 , 344, 111	5.6	317
792	Pd(II) acts simultaneously as a Lewis acid and as a transition-metal catalyst: synthesis of cyclic alkenyl ethers from acetylenic aldehydes. <i>Journal of the American Chemical Society</i> , 2002 , 124, 764-5	16.4	296
791	Gold-catalyzed intramolecular carbthiolation of alkynes: synthesis of 2,3-disubstituted benzothiophenes from (alpha-alkoxy alkyl) (ortho-alkynyl phenyl) sulfides. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 4473-5	16.4	288
790	Copper- or phosphine-catalyzed reaction of alkynes with isocyanides. Regioselective synthesis of substituted pyrroles controlled by the catalyst. <i>Journal of the American Chemical Society</i> , 2005 , 127, 9260-6	16.4	277
789	A novel B(C(6)F(5))(3)-catalyzed reduction of alcohols and cleavage of aryl and alkyl ethers with hydrosilanes. <i>Journal of Organic Chemistry</i> , 2000 , 65, 6179-86	4.2	277
788	Acyclic stereocontrol via allylic organometallic compounds. <i>Accounts of Chemical Research</i> , 1987 , 20, 243-249	24.3	272
787	Alkyne activation with Brønsted acids, iodine, or gold complexes, and its fate leading to synthetic application. <i>Chemical Communications</i> , 2009 , 5075-87	5.8	269
786	AuBr(3)-catalyzed [4 + 2] benzannulation between an enynal unit and enol. <i>Journal of the American Chemical Society</i> , 2004 , 126, 7458-9	16.4	250
785	Gold-catalyzed intermolecular hydroamination of allenes with arylamines and resulting high chirality transfer. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 3314-7	16.4	237

784	Synthesis of 2,3-disubstituted benzofurans by platinum-olefin-catalyzed carboalkoxylation of o-alkynylphenyl acetals. <i>Journal of the American Chemical Society</i> , 2005 , 127, 15022-3	16.4	221
783	Palladium-catalyzed intramolecular asymmetric hydroamination of alkynes. <i>Journal of the American Chemical Society</i> , 2004 , 126, 1622-3	16.4	213
782	Selective Synthesis by Use of Lewis Acids in the Presence of Organocopper and Related Reagents. New Synthetic Methods (61). <i>Angewandte Chemie International Edition in English</i> , 1986 , 25, 947-959		208
781	Lewis acid mediated reactions of organocopper reagents. Entrainment in the conjugate addition to .alpha.,.beta.-unsaturated ketones, esters, and acids via the RCu.cntdot.BF3 system. <i>Journal of Organic Chemistry</i> , 1982 , 47, 119-126	4.2	204
780	Palladium catalysed pronucleophile addition to unactivated carbon-carbon multiple bonds. <i>Chemical Society Reviews</i> , 1999 , 28, 199-207	58.5	202
779	Palladium- and Platinum-Catalyzed Addition of Aldehydes and Imines with Allylstannanes. Chemoselective Allylation of Imines in the Presence of Aldehydes. <i>Journal of the American Chemical Society</i> , 1996 , 118, 6641-6647	16.4	202
778	Direct Mannich and nitro-Mannich reactions with non-activated imines: AgOTf-catalyzed addition of pronucleophiles to ortho-alkynylaryl aldimines leading to 1,2-dihydroisoquinolines. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5526-8	16.4	200
777	Intramolecular C-N bond addition of amides to alkynes using platinum catalyst. <i>Journal of the American Chemical Society</i> , 2004 , 126, 10546-7	16.4	198
776	Gold- and indium-catalyzed synthesis of 3- and 6-sulfonylindoles from ortho-alkynyl-N-sulfonylanilines. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2284-7	16.4	197
775	Nanostructured materials as catalysts: nanoporous-gold-catalyzed oxidation of organosilanes with water. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 10093-5	16.4	190
774	Cu(I) catalyst in DMF: an efficient catalytic system for the synthesis of furans from 2-(1-alkynyl)-2-alken-1-ones. <i>Journal of Organic Chemistry</i> , 2005 , 70, 4531-4	4.2	186
773	Erythro-selective addition of crotyltrialkyltins to aldehydes regardless of the geometry of the crotyl unit. Stereoselection independent of the stereochemistry of precursors. <i>Journal of the American Chemical Society</i> , 1980 , 102, 7107-7109	16.4	185
772	Palladium-Catalyzed Controlled Carbopalladation of Benzyne. <i>Journal of the American Chemical Society</i> , 2000 , 122, 7280-7286	16.4	181
771	Nanoporous gold catalyst for highly selective semihydrogenation of alkynes: remarkable effect of amine additives. <i>Journal of the American Chemical Society</i> , 2012 , 134, 17536-42	16.4	176
770	A novel reduction of alcohols and ethers with a HSiEt3catalytic B(C6F5)3 system. <i>Tetrahedron Letters</i> , 1999 , 40, 8919-8922	2	175
769	Iodine-mediated electrophilic cyclization of 2-alkynyl-1-methylene azide aromatics leading to highly substituted isoquinolines and its application to the synthesis of norchelerythrine. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15720-5	16.4	173
768	AuBr3- and Cu(OTf)2-catalyzed intramolecular [4 + 2] cycloaddition of tethered alkynyl and alkenyl enynones and enynals: a new synthetic method for functionalized polycyclic hydrocarbons. <i>Journal of Organic Chemistry</i> , 2005 , 70, 3682-5	4.2	171
767	Catalytic Asymmetric Allylation of Imines via Chiral Bis-Allylpalladium Complexes. <i>Journal of the American Chemical Society</i> , 1998 , 120, 4242-4243	16.4	170

- 766 Synthesis of triazoles from nonactivated terminal alkynes via the three-component coupling reaction using a Pd(0)-Cu(I) bimetallic catalyst. *Journal of the American Chemical Society*, **2003**, 125, 7786-7791 16.4 169
- 765 Functionalized 1,2-dihydronaphthalenes from the Cu(OTf)₂-catalyzed [4+2] cycloaddition of o-alkynyl(oxo)benzenes with alkenes. *Angewandte Chemie - International Edition*, **2003**, 42, 3504-6 16.4 167
- 764 Copper-catalyzed synthesis of 5-substituted 1H-tetrazoles via the [3+2] cycloaddition of nitriles and trimethylsilyl azide. *Tetrahedron Letters*, **2008**, 49, 2824-2827 2 162
- 763 Synthesis of imidazoles through the copper-catalyzed cross-cycloaddition between two different isocyanides. *Journal of the American Chemical Society*, **2006**, 128, 10662-3 16.4 158
- 762 Gold nanoparticle (AuNPs) and gold nanopore (AuNPore) catalysts in organic synthesis. *Organic and Biomolecular Chemistry*, **2014**, 12, 2005-27 3.9 151
- 761 A direct reduction of aliphatic aldehyde, acyl chloride, ester, and carboxylic functions into a methyl group. *Journal of Organic Chemistry*, **2001**, 66, 1672-5 4.2 150
- 760 Synthesis of 1,3,4-trisubstituted isoquinolines by iodine-mediated electrophilic cyclization of 2-alkynyl benzyl azides. *Angewandte Chemie - International Edition*, **2007**, 46, 4764-6 16.4 149
- 759 Stereo- and regiocontrol of acyclic systems via the lewis acid mediated reaction of allylic stannanes with aldehydes. *Tetrahedron*, **1984**, 40, 2239-2246 2.4 149
- 758 Copper-Catalyzed Synthesis of N-Unsubstituted 1,2,3-Triazoles from Nonactivated Terminal Alkynes. *European Journal of Organic Chemistry*, **2004**, 2004, 3789-3791 3.2 146
- 757 Synthesis of cyclic alkenyl ethers via intramolecular cyclization of O-alkynylbenzaldehydes. Importance of combination between CuI catalyst and DMF. *Journal of Organic Chemistry*, **2004**, 69, 5139-42 4.2 142
- 756 Very high 1,2- and 1,3-asymmetric induction in the reactions of allylic boron compounds with chiral imines. *Journal of the American Chemical Society*, **1986**, 108, 7778-86 16.4 141
- 755 Organometallic Compounds for Stereoregulated Synthesis of Acyclic Systems. Their Application to the Synthesis of the Prelog-Djerassi Lactonic Acid. *Heterocycles*, **1982**, 18, 357 0.8 141
- 754 Palladium-catalyzed intramolecular asymmetric hydroamination, hydroalkoxylation, and hydrocarbonation of alkynes. *Journal of Organic Chemistry*, **2006**, 71, 4270-9 4.2 140
- 753 Introduction: Coinage metals in organic synthesis. *Chemical Reviews*, **2008**, 108, 2793-5 68.1 139
- 752 Palladium-Catalyzed Intermolecular Controlled Insertion of Benzyne-Benzyne-Alkene and Benzyne-Alkyne-Alkene-Synthesis of Phenanthrene and Naphthalene Derivatives. *Angewandte Chemie - International Edition*, **2000**, 39, 173-175 16.4 139
- 751 Metal-mediated synthesis of furans and pyrroles. *Arkivoc*, **2007**, 2007, 121-141 0.9 139
- 750 Nickel-Mediated Regio- and Chemoselective Carboxylation of Alkynes in the Presence of Carbon Dioxide. *Journal of Organic Chemistry*, **1999**, 64, 3975-3978 4.2 136
- 749 An efficient, facile, and general synthesis of 1h-indazoles by 1,3-dipolar cycloaddition of arynes with diazomethane derivatives. *Angewandte Chemie - International Edition*, **2007**, 46, 3323-5 16.4 134

748	Gold-catalyzed synthesis of polycyclic enones from carbon tethered 1,3-enynyl carbonyls via tandem heteroenyne metathesis and Nazarov reaction. <i>Organic Letters</i> , 2008 , 10, 3137-9	6.2	132
747	RCu.BF3. 3. Conjugate addition to previously unreactive substituted enoate esters and enoic acids. <i>Journal of the American Chemical Society</i> , 1978 , 100, 3240-3241	16.4	132
746	Palladium/Benzoic Acid Catalyzed Hydroamination of Alkynes. <i>Journal of Organic Chemistry</i> , 1999 , 64, 4570-4571	4.2	131
745	Gold-catalyzed intramolecular carbocyclization of alkynyl ketones leading to highly substituted cyclic enones. <i>Organic Letters</i> , 2007 , 9, 5259-62	6.2	128
744	Palladium-Catalyzed Addition of Activated Methylene and Methyne Compounds to Allenes. <i>Journal of the American Chemical Society</i> , 1994 , 116, 6019-6020	16.4	127
743	A highly stereoselective synthesis of (E)-alkene dipeptide isosteres via organocyanocopper-Lewis acid mediation reaction. <i>Journal of Organic Chemistry</i> , 1991 , 56, 4370-4382	4.2	127
742	Indole Synthesis via Palladium-Catalyzed Intramolecular Cyclization of Alkynes and Imines. <i>Journal of the American Chemical Society</i> , 2000 , 122, 5662-5663	16.4	126
741	Synthesis of allyl cyanamides and N-cyanoindoles via the palladium-catalyzed three-component coupling reaction. <i>Journal of the American Chemical Society</i> , 2002 , 124, 11940-5	16.4	125
740	Gold-catalyzed cyclization of (ortho-alkynylphenylthio)silanes: intramolecular capture of the vinyl-Au intermediate by the silicon electrophile. <i>Organic Letters</i> , 2007 , 9, 4081-3	6.2	124
739	Facile allylative dearomatization catalyzed by palladium. <i>Journal of the American Chemical Society</i> , 2001 , 123, 759-60	16.4	123
738	Metal-catalyzed annulation reactions for π -conjugated polycycles. <i>Chemistry - A European Journal</i> , 2014 , 20, 3554-76	4.8	122
737	Chiral bis- π -allylpalladium complex catalyzed asymmetric allylation of imines: enhancement of the enantioselectivity and chemical yield in the presence of water. <i>Journal of the American Chemical Society</i> , 2003 , 125, 14133-9	16.4	122
736	Chirality transfer in gold-catalyzed carbothiolation of o-alkynylphenyl 1-arylethyl sulfides. <i>Organic Letters</i> , 2008 , 10, 2649-51	6.2	121
735	A method for the synthesis of substituted quinolines via electrophilic cyclization of 1-azido-2-(2-propynyl)benzene. <i>Journal of Organic Chemistry</i> , 2010 , 75, 1266-70	4.2	120
734	Chiral π -Allylpalladium-Catalyzed Asymmetric Allylation of Imines: Replacement of Allylstannanes by Allylsilanes. <i>Journal of Organic Chemistry</i> , 1999 , 64, 2614-2615	4.2	120
733	Intramolecular Nucleophilic Addition of Vinylpalladiums to Aryl Ketones. <i>Journal of the American Chemical Society</i> , 1999 , 121, 3545-3546	16.4	120
732	Formation and properties of Au-based nanograined metallic glasses. <i>Acta Materialia</i> , 2011 , 59, 6433-6448	4.4	119
731	A new method for the synthesis of nitrogen heterocycles via palladium catalyzed intramolecular hydroamination of allenes. <i>Tetrahedron Letters</i> , 1998 , 39, 5421-5424	2	116

730	Convenient synthesis of benzothiazoles and benzimidazoles through Brønsted acid catalyzed cyclization of 2-amino thiophenols/anilines with 1,2-diketones. <i>Organic Letters</i> , 2014 , 16, 764-7	6.2	115
729	Synthesis of indenols and indanones via catalytic cyclic vinylpalladation of aromatic aldehydes. <i>Tetrahedron Letters</i> , 1999 , 40, 4089-4092	2	115
728	Palladium/Acetic Acid Catalyzed Allylation of Some Pronucleophiles with Simple Alkynes. <i>Journal of the American Chemical Society</i> , 1998 , 120, 10262-10263	16.4	114
727	Gold-Catalyzed Intermolecular Hydroamination of Allenes with Arylamines and Resulting High Chirality Transfer. <i>Angewandte Chemie</i> , 2006 , 118, 3392-3395	3.6	114
726	Lewis Acid Catalyzed Highly Regio- and Stereocontrolled Trans-Hydrosilylation of Alkynes and Allenes. <i>Journal of Organic Chemistry</i> , 1999 , 64, 2494-2499	4.2	113
725	Studies on the reaction of β -imino esters with organometallic compounds. <i>Tetrahedron</i> , 1988 , 44, 5415-5423	16.4	112
724	Efficient method for synthesis of angucyclinone antibiotics via gold-catalyzed intramolecular [4 + 2] benzannulation: enantioselective total synthesis of (+)-ochromycinone and (+)-rubiginone B2. <i>Journal of Organic Chemistry</i> , 2005 , 70, 8977-81	4.2	110
723	Total synthesis of gambierol. <i>Journal of the American Chemical Society</i> , 2003 , 125, 46-7	16.4	110
722	The two component palladium catalyst system for intermolecular hydroamination of allenens. <i>Tetrahedron Letters</i> , 1997 , 38, 6071-6074	2	109
721	Lewis Acid-Catalyzed trans-Hydrosilylation of Alkynes. <i>Journal of Organic Chemistry</i> , 1996 , 61, 7654-7655	4.2	109
720	Synthesis of 1-substituted tetrazoles via the acid-catalyzed [3+2] cycloaddition between isocyanides and trimethylsilyl azide. <i>Tetrahedron Letters</i> , 2004 , 45, 9435-9437	2	106
719	A bimetallic catalyst and dual role catalyst: synthesis of N-(alkoxycarbonyl)indoles from 2-(alkynyl)phenylisocyanates. <i>Journal of Organic Chemistry</i> , 2003 , 68, 4764-71	4.2	106
718	Ring Opening in the Palladium-Catalyzed Hydrocarbonation of Methylenecyclopropanes with Pronucleophiles. <i>Journal of the American Chemical Society</i> , 1997 , 119, 8123-8124	16.4	104
717	Catalytic Amphiphilic Allylation via Bis-Allylpalladium Complexes and Its Application to the Synthesis of Medium-Sized Carbocycles. <i>Journal of the American Chemical Society</i> , 2001 , 123, 372-377	16.4	103
716	PtBr ₂ -catalyzed transformation of allyl(o-ethynylaryl)carbinol derivatives into functionalized indenens. Formal sp ³ C-H bond activation. <i>Journal of Organic Chemistry</i> , 2006 , 71, 6204-10	4.2	102
715	A New Palladium-Catalyzed Benzannulation of Conjugated Enynes. <i>Journal of the American Chemical Society</i> , 1996 , 118, 3970-3971	16.4	102
714	Carbon-carbon bond cleavage of diynes through the hydroamination with transition metal catalysts. <i>Journal of the American Chemical Society</i> , 2003 , 125, 6646-7	16.4	100
713	Fabrication of PdNiB Metallic Glass Nanoparticles and Their Application as Highly Durable Catalysts in Methanol Electro-oxidation. <i>Chemistry of Materials</i> , 2014 , 26, 1056-1061	9.6	99

712	Gold-catalyzed intramolecular hydroamination of allenes: a case of chirality transfer. <i>Tetrahedron Letters</i> , 2006 , 47, 4749-4751	2	99
711	Palladium catalyzed co-trimerization of benzyne with alkynes. A facile method for the synthesis of phenanthrene derivatives. <i>Tetrahedron Letters</i> , 1999 , 40, 7533-7535	2	98
710	Gold-Catalyzed Intramolecular Carbothiolation of Alkynes: Synthesis of 2,3-Disubstituted Benzothiophenes from (E)-Alkoxy Alkyl (ortho-Alkynyl Phenyl) Sulfides. <i>Angewandte Chemie</i> , 2006 , 118, 4585-4587	3.6	97
709	Catalytic cyclization of o-alkynylbenzaldehyde acetals and thioacetals. Unprecedented activation of the platinum catalyst by olefins. Scope and mechanism of the reaction. <i>Journal of the American Chemical Society</i> , 2004 , 126, 15423-30	16.4	97
708	A one-pot procedure for the regiocontrolled synthesis of allyltriazoles via the Pd-Cu bimetallic catalyzed three-component coupling reaction of nonactivated terminal alkynes, allyl carbonate, and trimethylsilyl azide. <i>Journal of Organic Chemistry</i> , 2004 , 69, 2386-93	4.2	97
707	Nonlinear optical properties of novel carboraneferrocene conjugated dyads. Electron-withdrawing characteristics of carboranes. <i>Journal of Materials Chemistry</i> , 2002 , 12, 2701-2705		97
706	Click Chemistry of Alkyne-Azide Cycloaddition using Nanostructured Copper Catalysts. <i>ChemCatChem</i> , 2012 , 4, 1217-1229	5.2	94
705	Gold-catalyzed hydrofunctionalization of allenes with nitrogen and oxygen nucleophiles and its mechanistic insight. <i>Tetrahedron</i> , 2009 , 65, 1799-1808	2.4	94
704	AuBr ₃ -catalyzed cyclization of o-(alkynyl)nitrobenzenes. Efficient synthesis of isotogens and anthranils. <i>Tetrahedron Letters</i> , 2003 , 44, 5675-5677	2	94
703	Zirconium enolate as a new erythro-selective aldol condensation reagent. <i>Tetrahedron Letters</i> , 1980 , 21, 4607-4610	2	93
702	Ytterbium triflate and high pressure-mediated ring opening of epoxides with amines. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1994 , 2597		92
701	Palladium-catalyzed highly chemo- and regioselective formal [2+2+2] sequential cycloaddition of alkynes: a renaissance of the well known trimerization reaction?. <i>Journal of Organic Chemistry</i> , 2001 , 66, 2835-41	4.2	91
700	Novel. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 1298-1300	16.4	90
699	Recent progress in the catalytic synthesis of imidazoles. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 568-78	4.5	89
698	Diastereoselectivity of the conjugate addition of organocopper reagents to .gamma.-alkoxy .alpha.,.beta.-unsaturated carbonyl derivatives. Importance of the reagent type and the double-bond geometry. <i>Journal of the American Chemical Society</i> , 1992 , 114, 7652-7660	16.4	89
697	New method for the synthesis of boron-10 containing nucleoside derivatives for neutron-capture therapy via palladium-catalyzed reaction. <i>Journal of Organic Chemistry</i> , 1989 , 54, 4734-4736	4.2	89
696	Domino allylation and cyclization of ortho-alkynylbenzaldehydes with allyltrimethylsilane catalyzed by Pd(II)/Cu(II) bimetallic systems. <i>Tetrahedron</i> , 2005 , 61, 11322-11326	2.4	88
695	Pd-catalyzed cascade crossover annulation of o-alkynylarylhalides and diarylacetylenes leading to dibenzo[a,e]pentalenes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10222-5	16.4	87

- 694 Remarkable catalytic property of nanoporous gold on activation of diborons for direct diboration of alkynes. *Organic Letters*, **2013**, 15, 5766-9 6.2 87
- 693 Unsupported nanoporous gold catalyst for highly selective hydrogenation of quinolines. *Organic Letters*, **2013**, 15, 1484-7 6.2 87
- 692 A Thermodynamic Preference of Chiral N-Methanesulfonyl and N-Arenesulfonyl 2,3-cis-3-Alkyl-2-Vinylaziridines over Their 2,3-Trans-Isomers: Useful Palladium(0)-Catalyzed Equilibration Reactions for the Synthesis of (E)-Alkene Dipeptide Isosteres. *Journal of Organic Chemistry*, **1997**, 62, 999-1015 4.2 87
- 691 The first catalytic asymmetric allylation of imines with the tetraallylsilane-TBAF-MeOH system, using the chiral bis- π -allylpalladium complex. *Journal of Organic Chemistry*, **2004**, 69, 735-8 4.2 87
- 690 Amphiphilic Catalytic Allylating Reagent, Bis-Allylpalladium Complex. *Journal of the American Chemical Society*, **1997**, 119, 8113-8114 16.4 86
- 689 Palladium/benzoic acid-catalyzed hydroalkoxylation of alkynes. *Tetrahedron Letters*, **2001**, 42, 6207-6210 86
- 688 A new procedure for the stereoselective synthesis of (Z)-2-alkenylsilanes and -tins and their application to erythro-selective synthesis of .beta.-alkyl alcohol derivatives. *Journal of the American Chemical Society*, **1980**, 102, 4548-4550 16.4 86
- 687 Synthesis of novel antitumor agent 1-methoxy-5,10- dioxo-5,10-dihydro-1H-benzo[g]isochromene carboxylic acid (3-dimethylaminopropyl)amide with a dual role Pd(II) catalyst. *Journal of Organic Chemistry*, **2003**, 68, 9496-8 4.2 85
- 686 Lewis acid mediated reactions of organocopper reagents. A remarkably enhanced regioselective .gamma.-attack of allylic halides and direct alkylation of allylic alcohols via RCu.cntdot.BF3 system. *Journal of the American Chemical Society*, **1980**, 102, 2318-2325 16.4 85
- 685 Iodine-mediated electrophilic cyclization of 2-alkynylbenzaldoximes leading to the formation of iodoisoquinoline N-oxides. *Tetrahedron Letters*, **2008**, 49, 5531-5533 2 84
- 684 Convergent total syntheses of gambierol and 16-epi-gambierol and their biological activities. *Journal of the American Chemical Society*, **2003**, 125, 11893-9 16.4 84
- 683 Palladium-Catalyzed Hydrocarboxylation of Allenes. *Journal of the American Chemical Society*, **1998**, 120, 3809-3810 16.4 83
- 682 Ring Opening in the Hydroamination of Methylenecyclopropanes Catalyzed by Palladium. *Journal of Organic Chemistry*, **1998**, 63, 6458-6459 4.2 82
- 681 The Fate of Bis(π -allyl)palladium Complexes in the Presence of Aldehydes (or Imines) and Allylic Chlorides: Stille Coupling versus Allylation of Aldehydes (or Imines). *Angewandte Chemie - International Edition*, **2001**, 40, 3208-3210 16.4 82
- 680 Palladium-Catalyzed Regioselective [3 + 2] Cycloaddition of Vinylic Oxiranes with Activated Olefins. A Facile Synthesis of Tetrahydrofuran Derivatives. *Journal of Organic Chemistry*, **1998**, 63, 3067-3071 4.2 82
- 679 Cobalt-catalyzed hydroalkylation of [60]fullerene with active alkyl bromides: selective synthesis of monoalkylated fullerenes. *Journal of the American Chemical Society*, **2011**, 133, 12842-8 16.4 79
- 678 Palladium-catalyzed aminoallylation of activated olefins with allylic halides and phthalimide. *Journal of Organic Chemistry*, **2002**, 67, 5977-80 4.2 79
- 677 Ytterbium triflate catalyzed ring opening of aziridines with amines. *Tetrahedron Letters*, **1994**, 35, 7395-7398 79

676	Highly efficient Cu(OAc) ₂ -catalyzed dimerization of monofunctionalized hydrofullerenes leading to single-bonded [60]fullerene dimers. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 802-6	16.4	78
675	Catalytic asymmetric intramolecular hydroamination of alkynes in the presence of a catalyst system consisting of Pd(0)-methyl Norphos (or tolyl Renorphos)-benzoic acid. <i>Journal of Organic Chemistry</i> , 2008 , 73, 9698-709	4.2	78
674	Synthesis of 1,2-dihydroisoquinolines via the reaction of ortho-alkynylarylimines with bis-allylpalladium. <i>Tetrahedron Letters</i> , 2004 , 45, 7339-7341	2	78
673	Intramolecular Nucleophilic Addition of Aryl Bromides to Ketones Catalyzed by Palladium. <i>Journal of the American Chemical Society</i> , 2000 , 122, 4827-4828	16.4	78
672	A New Pd(0)-Cu(I) bimetallic catalyst for the synthesis of indoles from isocyanates and allyl carbonates. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3230-3	16.4	77
671	Palladium-catalyzed addition of alcohol pronucleophiles to alkylidenecyclopropanes. <i>Journal of Organic Chemistry</i> , 2001 , 66, 270-5	4.2	77
670	Palladium-catalyzed intermolecular hydroamination of alkynes: a dramatic rate-enhancement effect of O-aminophenol. <i>Journal of the American Chemical Society</i> , 2002 , 124, 12670-1	16.4	76
669	Allyl- and Benzylium Reagents. Carboindation of Carbon-Carbon and Carbon-Nitrogen Triple Bonds. <i>Journal of Organic Chemistry</i> , 1999 , 64, 4095-4101	4.2	76
668	Diastereofacial selectivity in the reaction of allylic organometallic compounds with imines. Stereoelectronic effect of imine group. <i>Journal of Organic Chemistry</i> , 1985 , 50, 3115-3121	4.2	76
667	Palladium-catalyzed enyne[4+2] benzannulation as a new and general approach to polysubstituted benzenes. <i>Journal of Organometallic Chemistry</i> , 1999 , 576, 232-247	2.3	75
666	Lewis Acid Catalyzed trans-Allylsilylation of Unactivated Alkynes. <i>Journal of the American Chemical Society</i> , 1997 , 119, 6781-6786	16.4	74
665	A route to 2-substituted tetrahydroquinolines via palladium-catalyzed intramolecular hydroamination of anilino-alkynes. <i>Journal of Organic Chemistry</i> , 2007 , 72, 6577-9	4.2	74
664	Palladium-Catalyzed [4+2] Cross-Benzannulation Reaction of Conjugated Enynes with Dienes and Triynes. <i>Journal of the American Chemical Society</i> , 1999 , 121, 6391-6402	16.4	74
663	Carboxylic acid-catalyzed highly efficient and selective hydroboration of alkynes with pinacolborane. <i>Organic Letters</i> , 2014 , 16, 4670-3	6.2	73
662	Intramolecular hydroamination of alkynes catalyzed by Pd(PPh ₃) ₄ /triphenylphosphine under neutral conditions. <i>Journal of Organic Chemistry</i> , 2005 , 70, 4883-6	4.2	73
661	Oxindole synthesis through intramolecular nucleophilic addition of vinylpalladiums to aryl isocyanates. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7718-21	16.4	73
660	Amide cuprate reagents as a new class of nitrogen nucleophiles. Application to asymmetric synthesis of β -lactams. <i>Journal of the American Chemical Society</i> , 1992 , 114, 5427-5429	16.4	73
659	Unsupported Nanoporous Gold Catalyst for Chemoselective Hydrogenation Reactions under Low Pressure: Effect of Residual Silver on the Reaction. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10356-64	16.4	72

- 658 First Intermolecular Regiospecific Palladium-Catalyzed Enyne-Diyne [4 + 2] Cross-Benzannulation Reaction. *Journal of the American Chemical Society*, **1997**, 119, 11313-11314 16.4 72
- 657 Novel synthetic route to allyl cyanamides: palladium-catalyzed coupling of isocyanides, allyl carbonate, and trimethylsilyl azide. *Journal of the American Chemical Society*, **2001**, 123, 9453-4 16.4 72
- 656 Aerobic oxidation of alcohols in the liquid phase with nanoporous gold catalysts. *Chemical Communications*, **2012**, 48, 4540-2 5.8 71
- 655 Synthesis of 2,3-disubstituted benzofurans and indoles by Lewis acidic transition metal-catalyzed cyclization of ortho-alkynylphenyl O,O- and N,O-acetals. *Tetrahedron*, **2007**, 63, 8670-8676 2.4 71
- 654 A Novel Route to Diastereomerically Pure (E)-Alkene Dipeptide Isosteres from Aziridinyl- β -ketoates by Treatment with Organocopper Reagents. *Angewandte Chemie International Edition in English*, **1994**, 33, 652-654 71
- 653 TfOH-catalyzed intramolecular alkyne-ketone metathesis leading to highly substituted five-membered cyclic enones. *Chemical Communications*, **2009**, 3533-5 5.8 70
- 652 Gold- and Indium-Catalyzed Synthesis of 3- and 6-Sulfonylindoles from ortho-Alkynyl-N-sulfonylanilines. *Angewandte Chemie*, **2007**, 119, 2334-2337 3.6 70
- 651 Late Transition Metal-Catalyzed Hydroamination. *Topics in Organometallic Chemistry*, **2012**, 115-143 0.6 69
- 650 Palladium-catalyzed [3+2] cycloaddition of alkylidenecyclopropanes with imines. *Tetrahedron Letters*, **2001**, 42, 6203-6205 2 69
- 649 Palladium-Catalyzed Hydroalkoxylation of Methylene-cyclopropanes. *Angewandte Chemie - International Edition*, **1999**, 38, 3365-3367 16.4 69
- 648 Selective aerobic oxidation of methanol in the coexistence of amines by nanoporous gold catalysts: highly efficient synthesis of formamides. *Chemistry - A European Journal*, **2013**, 19, 11832-6 4.8 68
- 647 Synthetic strategies of marine polycyclic ethers via intramolecular allylations: linear and convergent approaches. *Accounts of Chemical Research*, **2005**, 38, 423-32 24.3 68
- 646 PtBr₂-catalyzed consecutive enyne metathesis-aromatization of 1-(1-methoxy-but-3-enyl)-2-(1-alkynyl)benzenes: dual role of the Pt catalyst. *Journal of Organic Chemistry*, **2005**, 70, 892-7 4.2 68
- 645 Regiospecific synthesis of 2-allyl-1,2,3-triazoles by palladium-catalyzed 1,3-dipolar cycloaddition. *Tetrahedron Letters*, **2002**, 43, 9707-9710 2 68
- 644 Triflic acid catalyzed synthesis of spirocycles via acetylene cations. *Angewandte Chemie - International Edition*, **2009**, 48, 5893-6 16.4 67
- 643 Palladium-catalyzed addition of nitrogen pronucleophiles to alkylidenecyclopropanes. *Journal of Organic Chemistry*, **2005**, 70, 5932-7 4.2 67
- 642 Nonlinear optical properties of novel fullerene-ferrocene hybrid molecules. *Journal of Materials Chemistry*, **2003**, 13, 511-513 67
- 641 Polyols of a cascade type as a water-solubilizing element of carborane derivatives for boron neutron capture therapy. *Journal of Organic Chemistry*, **1992**, 57, 435-435 4.2 67

640	A novel class of alkylating reagent, RCu.BF_3 . Substitution of allyl halides with complete allylic rearrangement. <i>Journal of the American Chemical Society</i> , 1977 , 99, 8068-8070	16.4	67
639	Regiospecific synthesis of 2-allylated-5-substituted tetrazoles via palladium-catalyzed reaction of nitriles, trimethylsilyl azide, and allyl acetates. <i>Tetrahedron Letters</i> , 2000 , 41, 4193-4196	2	66
638	Rh(III)-catalyzed regioselective functionalization of C-H bonds of naphthylcarbamates for oxidative annulation with alkynes. <i>Organic Letters</i> , 2014 , 16, 4830-3	6.2	65
637	Nanoporous Copper Metal Catalyst in Click Chemistry: Nanoporosity-Dependent Activity without Supports and Bases. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 3095-3100	5.6	65
636	Gold-catalyzed intermolecular hydroalkoxylation of allenes; difference in mechanism between hydroalkoxylation and hydroamination. <i>Tetrahedron Letters</i> , 2008 , 49, 4908-4911	2	65
635	Lewis Acid-Catalyzed Hydrometalation and Carbometalation of Unactivated Alkynes. <i>Bulletin of the Chemical Society of Japan</i> , 2000 , 73, 1071-1087	5.1	64
634	Synthesis of various silacycles via the lewis acid-catalyzed intramolecular trans-hydrosilylation of unactivated alkynes. <i>Journal of Organic Chemistry</i> , 2000 , 65, 8919-23	4.2	64
633	Single crystal biphenyl end-capped furan-incorporated oligomers: influence of unusual packing structure on carrier mobility and luminescence. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4163	7.1	63
632	A novel metal-free panchromatic TiO_2 sensitizer based on a phenylenevinylene-conjugated unit and an indoline derivative for highly efficient dye-sensitized solar cells. <i>Chemical Communications</i> , 2011 , 47, 12400-2	5.8	63
631	Lewis Acid-Catalyzed Hydrostannation of Acetylenes. Regio- and Stereoselective Trans-Addition of Tributyltin Hydride and Dibutyltin Dihydride. <i>Journal of Organic Chemistry</i> , 1996 , 61, 4568-4571	4.2	63
630	Zinc Chloride as a Radical Initiator as Well as a Chelating Agent. <i>Journal of the American Chemical Society</i> , 1994 , 116, 421-422	16.4	63
629	Development of a new acyl anion equivalent for the preparation of masked activated esters, and their use to prepare a dipeptide. <i>Journal of Organic Chemistry</i> , 1990 , 55, 4515-4516	4.2	63
628	Brønsted acid-catalyzed cascade cycloisomerization of enynes via acetylene cations and sp^3 -hybridized C-H bond activation. <i>Journal of the American Chemical Society</i> , 2010 , 132, 5590-1	16.4	62
627	Regional convergence in the reaction of heterosubstituted allylic carbanions via allylic aluminum and boron ate complexes. <i>Journal of Organic Chemistry</i> , 1984 , 49, 1096-1104	4.2	62
626	Total synthesis of brevetoxin B. <i>Journal of the American Chemical Society</i> , 2005 , 127, 9246-50	16.4	61
625	Microwave-enhanced $\text{Pd}(0)$ /acetic acid catalyzed allylation reactions of C, N, and O-pronucleophiles with alkynes. <i>Tetrahedron Letters</i> , 2004 , 45, 8497-8499	2	61
624	Carborane-fullerene hybrids as a seemingly attractive-attractive dyad with high hyperpolarizability. <i>Chemical Communications</i> , 2000 , 1595-1596	5.8	61
623	Total synthesis of brevenal. <i>Organic Letters</i> , 2009 , 11, 2531-4	6.2	60

622	Indenol ether formation from aryl alkynes bearing ortho-acetals: an unprecedented rearrangement in palladium-catalyzed carboalkoxylation. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 4328-31	16.4	60
621	Aminolead compounds as a new reagent for regioselective ring opening of epoxides. <i>Tetrahedron Letters</i> , 1989 , 30, 4255-4258	2	60
620	Organocyanocopper-trifluoroborane mediated 1,3-chirality transfer reaction of .gamma.-(mesyloxy)-.alpha.-alkyl .alpha.,.beta.-enoates for the construction of chiral quaternary carbon centers with high optical purity. <i>Journal of Organic Chemistry</i> , 1989 , 54, 4055-4061	4.2	60
619	Very high 1,2-asymmetric induction in the reaction of allyl-9-BBN with certain imines. Evidence for a stereoelectronic effect to enhance the Cram selectivity. <i>Journal of the American Chemical Society</i> , 1984 , 106, 5031-5033	16.4	60
618	Silver(I)-catalyzed novel cascade cyclization reactions: incorporation of allenes into the isochromenes. <i>Journal of Organic Chemistry</i> , 2005 , 70, 10096-8	4.2	59
617	Stabilization and activation of dienolates with germanium and tin. Stereo- and regioselective aldol reactions, regioselective coupling reactions, and regioselective synthesis of amino acid derivatives. <i>Journal of Organic Chemistry</i> , 1990 , 55, 3118-3128	4.2	59
616	Importance of the timing of bond breaking and bond making in acetal templates. Enantiodivergent synthesis of steroidal side chains. <i>Journal of the American Chemical Society</i> , 1986 , 108, 7116-7117	16.4	59
615	Convergent synthesis of polycyclic ethers via the intramolecular allylation of alpha-acetoxy ethers and subsequent ring-closing metathesis. <i>Journal of the American Chemical Society</i> , 2002 , 124, 3562-6	16.4	58
614	Nickel(0)-Catalyzed [2 + 2] Annulation of Electron-Deficient Allenes. Highly Regioselective Synthesis of Cyclobutanes. <i>Journal of the American Chemical Society</i> , 2000 , 122, 10776-10780	16.4	58
613	Stereocontrolled intramolecular cyclization of tributylstannyl ether aldehydes. synthesis of the 6[7]6 ring system of polycyclic ethers. <i>Tetrahedron Letters</i> , 1991 , 32, 7069-7072	2	58
612	Allylation of Unactivated and/or Functionalized Alkynes with Allylindiums. <i>Journal of Organic Chemistry</i> , 1997 , 62, 2318-2319	4.2	57
611	Copper-catalyzed tandem reaction between imines and alcohols leading to indoles. <i>Tetrahedron Letters</i> , 2004 , 45, 35-38	2	57
610	Palladium-catalyzed reaction of arynes with a bis-allyl palladium complex. An efficient method for the synthesis of 1,2-diallylated derivatives of benzene. <i>Tetrahedron Letters</i> , 2000 , 41, 729-731	2	57
609	Convergent synthesis of polycyclic ethers via the intramolecular allylation of alpha-acetoxy ethers and subsequent ring-closing metathesis: synthesis of the CDEFG ring system of gambierol. <i>Journal of the American Chemical Society</i> , 2001 , 123, 6702-3	16.4	56
608	A Concise Synthesis of Enantiomerically Pure L-(4-Boronophenyl)alanine from L-Tyrosine. <i>Journal of Organic Chemistry</i> , 1998 , 63, 7529-7530	4.2	56
607	NMR detection of N-acyliminium ion intermediates generated from .alpha.-alkoxycarbamates. <i>Journal of the American Chemical Society</i> , 1992 , 114, 121-125	16.4	56
606	A nanostructured skeleton catalyst: Suzuki-coupling with a reusable and sustainable nanoporous metallic glass Pd-catalyst. <i>Chemical Communications</i> , 2011 , 47, 5985-7	5.8	55
605	Synthesis and biological properties of water-soluble p-boronophenylalanine derivatives. Relationship between water solubility, cytotoxicity, and cellular uptake. <i>Journal of Medicinal Chemistry</i> , 1995 , 38, 1673-8	8.3	55

604	Very high chemoselective, regioselective, and E-stereoselective 1,3-chirality transfer involving reaction of acyclic (E)- and (Z)-gamma-mesyloxy .alpha.,beta.-enoates and organocyanocopper-trifluoroborane reagents. Efficient synthetic routes to functionalized chiral .alpha.-alkyl (E)-.beta.,gamma.-enoates and (E)-allylic alcohols with high optical purity. <i>Journal of</i>	16.4	55
603	Highly efficient heterogeneous aerobic cross-dehydrogenative coupling via C-H functionalization of tertiary amines using a nanoporous gold skeleton catalyst. <i>Chemical Communications</i> , 2015 , 51, 12764-7	5.8	54
602	Carbocycle synthesis through facile and efficient palladium-catalyzed allylative de-aromatization of naphthalene and phenanthrene allyl chlorides. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4366-9	16.4	54
601	Palladium-catalyzed hydrocarbonation and hydroamination of 3,3-dihexylcyclopropene with pronucleophiles. <i>Journal of Organic Chemistry</i> , 2003 , 68, 2297-9	4.2	54
600	Nonlinear optical studies of fullerene-alkyne hybrids. <i>Journal of Materials Chemistry</i> , 2003 , 13, 21-26		54
599	Aza-Payne Rearrangement of Activated 2-Aziridinemethanols and 2,3-Epoxy Amines under Basic Conditions. <i>Journal of Organic Chemistry</i> , 1995 , 60, 2044-2058	4.2	54
598	Reaction of allylic boron and aluminum "ate" complexes with organic halides and carbonyl compounds. Trialkylboranes as regio-, stereo-, and chemoselective control elements. <i>Journal of the American Chemical Society</i> , 1981 , 103, 1969-1975	16.4	54
597	Gold-catalyzed synthesis of isoquinolines via intramolecular cyclization of 2-alkynyl benzyl azides. <i>Tetrahedron Letters</i> , 2009 , 50, 3651-3653	2	53
596	Four-component coupling reactions of silylacetylenes, allyl carbonates, and trimethylsilyl azide catalyzed by a Pd(0)/Cu(I) bimetallic catalyst. Fully substituted triazole synthesis from seemingly internal alkynes. <i>Tetrahedron Letters</i> , 2004 , 45, 689-691	2	53
595	A new route for the synthesis of indolizidine (1209D): excellent diastereoselectivity in the intramolecular hydroamination of alkynes. <i>Tetrahedron Letters</i> , 2005 , 46, 2101-2103	2	53
594	Selective hydrosilylation of alkynes with a nanoporous gold catalyst. <i>Catalysis Science and Technology</i> , 2013 , 3, 2902	5.5	52
593	A novel method for creation of free volume in a one-component self-assembled monolayer. Dramatic size effect of para-carborane. <i>Journal of Materials Chemistry</i> , 2005 , 15, 478		52
592	Tetrabutylammonium Fluoride Promoted Novel Reactions of o-Carborane: Inter- and Intramolecular Additions to Aldehydes and Ketones and Annulation via Enals and Enones. <i>Journal of the American Chemical Society</i> , 1998 , 120, 1167-1171	16.4	52
591	Stereodivergent synthesis of the enolates of a beta-amino ester by using lithium N-benzyltrimethylsilylamide. <i>Tetrahedron</i> , 1990 , 46, 4563-4572	2.4	52
590	Pd-catalyzed synthesis of 9,9'-bifluorenylidene derivatives via dual C-H activation of bis-biaryl alkynes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9540-3	16.4	51
589	Palladium-catalyzed selective synthesis of 2-allyltetrazoles. <i>Journal of Organic Chemistry</i> , 2002 , 67, 7413-7	7.2	51
588	Co-catalyzed radical cycloaddition of [60]fullerene with active dibromides: selective synthesis of carbocycle-fused fullerene monoadducts. <i>Organic Letters</i> , 2013 , 15, 4030-3	6.2	50
587	.alpha.-Silyl- or -stannyl-substituted crotyl-9-borabicyclo[3.3.1]nonane as a new reagent for the stereoregulated synthesis of acrylic systems. <i>Journal of the American Chemical Society</i> , 1981 , 103, 3229-3231	16.4	50

- 586 Palladium-catalyzed decarboxylative aza-Michael addition-allylation reactions between allyl carbamates and activated olefins. Generation of quaternary carbon adjacent to secondary amine carbon center. *Journal of Organic Chemistry*, **2006**, 71, 6991-5 4.2 49
- 585 Allylation of Carbon Pronucleophiles with Alkynes in the Presence of Palladium/Acetic Acid Catalyst. *Advanced Synthesis and Catalysis*, **2004**, 346, 800-804 5.6 49
- 584 Chelation Control through the Coordination of Lewis Acids to an Acetylenic π -Bond. *Journal of the American Chemical Society*, **2000**, 122, 4817-4818 16.4 49
- 583 Lewis acid catalyzed allylstannylation of unactivated alkynes. *Tetrahedron*, **1999**, 55, 3779-3790 2.4 49
- 582 Palladium catalyzed intramolecular hydrocarbonation of allenes leading to carbocycles. *Tetrahedron Letters*, **1996**, 37, 7453-7456 2 49
- 581 New type of cyclization of .alpha.,.beta.,.chi.,.psi.-unsaturated dioic acid esters through tandem conjugate additions by using lithium N-benzyl-N-(trimethylsilyl)amide as a nitrogen nucleophile. *Journal of Organic Chemistry*, **1992**, 57, 3139-3145 4.2 49
- 580 Selektive Synthesen mit Organokupfer-Verbindungen und verwandten Spezies in Anwesenheit von Lewis-Säuren. *Angewandte Chemie*, **1986**, 98, 945-957 3.6 49
- 579 Lithium n-benzyltrimethylsilylamide (LSA): a new reagent for conjugate addition - enolate trapping reactions. *Tetrahedron*, **1988**, 44, 4173-4180 2.4 49
- 578 Acyclic stereocontrol via and electron-transfer process. Remarkable stereochemical difference between one- and two-electron events. *Journal of the American Chemical Society*, **1988**, 110, 617-618 16.4 49
- 577 Organometallic high-pressure reactions. 2. Aldol reaction of silyl enol ethers with aldehydes under neutral conditions. *Journal of the American Chemical Society*, **1983**, 105, 6963-6965 16.4 49
- 576 Synthesis of benzoxazoles from 2-aminophenols and β -diketones using a combined catalyst of Brønsted acid and copper iodide. *Journal of Organic Chemistry*, **2014**, 79, 6310-4 4.2 48
- 575 Palladium(0)-Catalyzed Isomerization Reactions of Aziridines Bearing an α,β -Unsaturated Ester Group: A Thermodynamic Preference for Chiral Alkyl (2E)-4,5-cis-4,5-Epimino-N-(alkyl- or arylsulfonyl) 2-Enoates over the Other Three Stereoisomers. *Journal of Organic Chemistry*, **1997**, 62, 2982-2991 4.2 48
- 574 Lactam synthesis via the intramolecular hydroamidation of alkynes catalyzed by palladium complexes. *Journal of Organic Chemistry*, **2006**, 71, 3612-4 4.2 48
- 573 Hydrofurylation of Alkylidenecyclopropanes Catalyzed by Palladium. *Journal of the American Chemical Society*, **2000**, 122, 2661-2662 16.4 48
- 572 Formation of cyclic ethers via the palladium-catalyzed cycloaddition of activated olefins with allylic carbonates having a hydroxy group at the terminus of the carbon chain. *Journal of Organic Chemistry*, **2001**, 66, 7142-7 4.2 48
- 571 Carbon-13 nuclear magnetic resonance studies of organoboranes. Relative importance of mesomeric boron-carbon π -bonding forms in alkenyl- and alkynylboranes. *Journal of Organic Chemistry*, **1975**, 40, 3434-3437 4.2 48
- 570 Lewis Acid-Catalyzed trans-Carbosilylation of Simple Alkynes. *Journal of Organic Chemistry*, **1996**, 61, 4874-4875 4.2 47
- 569 Highly Diastereoselective Conjugate Addition of Lithium Dialkylamides to β,β -Unsaturated Esters Having a Chiral Center at the β -Position. *Journal of Organic Chemistry*, **1997**, 62, 6274-6282 4.2 46

- 568 Direct allylic substitution of allyl alcohols by carbon pronucleophiles in the presence of a palladium/carboxylic acid catalyst under neat conditions. *Tetrahedron Letters*, **2004**, 45, 3101-3103 2 46
- 567 Allylic organometallic way to control acyclic stereochemistry and its application to the synthesis of carbohydrates. *Journal of Organometallic Chemistry*, **1985**, 285, 31-42 2.3 46
- 566 Crotylzirconium derivatives as a new reagent for the three selective synthesis of β -methyloxyallyl alcohols. *Tetrahedron Letters*, **1981**, 22, 2895-2898 2 46
- 565 Highly Selective Semihydrogenation of Alkynes to Alkenes by Using an Unsupported Nanoporous Palladium Catalyst: No Leaching of Palladium into the Reaction Mixture. *ACS Catalysis*, **2017**, 7, 8296-8303^{13.1} 45
- 564 Thermally induced and silver-salt-catalyzed [2+2] cycloadditions of imines to (alkoxymethylene)cyclopropanes. *Angewandte Chemie - International Edition*, **2006**, 45, 5176-9 16.4 45
- 563 Stepwise delivery of two methoxy groups of arylaldehyde acetals across the phenyl ring. Vacant site-controlled palladium catalysis. *Journal of the American Chemical Society*, **2005**, 127, 9844-7 16.4 45
- 562 Aquapalladium Complex: A Stable and Convenient Catalyst for the Intermolecular Hydroamination of Alkynes. *European Journal of Organic Chemistry*, **2005**, 2005, 59-62 3.2 45
- 561 Nickel(0)-catalyzed dimerization of ethyl cyclopropylideneacetates. *Journal of Organic Chemistry*, **2002**, 67, 4911-5 4.2 45
- 560 Cu-catalyzed C-H amination of hydrofullerenes leading to 1,4-difunctionalized fullerenes. *Organic Letters*, **2014**, 16, 620-3 6.2 44
- 559 Nanostructured Materials as Catalysts: Nanoporous-Gold-Catalyzed Oxidation of Organosilanes with Water. *Angewandte Chemie*, **2010**, 122, 10291-10293 3.6 44
- 558 Phosphine-catalyzed regioselective heteroaromatization between activated alkynes and isocyanides leading to pyrroles. *Tetrahedron Letters*, **2005**, 46, 2563-2566 2 44
- 557 Lewis acid catalyzed stereoselective carbosilylation. Intramolecular trans-vinylsilylation and trans-arylsilylation of unactivated alkynes. *Journal of the American Chemical Society*, **2001**, 123, 10899-902^{16.4} 44
- 556 A novel and effective route to 1,3-oxazolidine derivatives. Palladium-catalyzed regioselective [3 + 2] cycloaddition of vinylic oxiranes with imines. *Tetrahedron Letters*, **1999**, 40, 1053-1056 2 44
- 555 Transition Metal Catalyzed Addition of Certain Nucleophiles to Imines. *Journal of the American Chemical Society*, **1994**, 116, 3161-3162 16.4 44
- 554 Donor-Acceptor dyes incorporating a stable dibenzosilole π -conjugated spacer for dye-sensitized solar cells. *Journal of Materials Chemistry*, **2012**, 22, 10771 43
- 553 Synthesis of the H ring of gambierol. *Tetrahedron Letters*, **1998**, 39, 6373-6376 2 43
- 552 Synthesis of 5-substituted 1H-tetrazoles by the copper-catalyzed [3+2] cycloaddition of nitriles and trimethylsilyl azide. *Chemistry - an Asian Journal*, **2008**, 3, 1575-80 4.5 43
- 551 Lewis acid catalyzed stereoselective hydrosilylation of ketones under the control of π -chelation. *Tetrahedron*, **2002**, 58, 8195-8203 2.4 43

550	Tandem nucleophilic allylation/alkoxyallylation of alkynylaldehydes via amphiphilic bis-allylpalladium complexes. <i>Tetrahedron Letters</i> , 2002 , 43, 7631-7633	2	43
549	Solvent Polarity Dependence of Photoinduced Charge Separation and Recombination Processes of Ferrocene-60 Dyads. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 1452-1458	2.8	43
548	Synthesis of pyridinylpyrrole derivatives via the palladium-catalyzed reaction of acetylpyridines with methyleneaziridines. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13898-9	16.4	43
547	Direct Mannich and Nitro-Mannich Reactions with Non-Activated Imines: AgOTf-Catalyzed Addition of Pronucleophiles to ortho-Alkynylaryl Aldimines Leading to 1,2-Dihydroisoquinolines. <i>Angewandte Chemie</i> , 2005 , 117, 5662-5664	3.6	43
546	Synthesis of phthalides and 3,4-dihydroisocoumarins using the palladium-catalyzed intramolecular benzannulation strategy. <i>Journal of Organic Chemistry</i> , 2002 , 67, 2653-8	4.2	43
545	Regio- and stereo-selective ring opening of epoxides with amide cuprate reagents. <i>Journal of the Chemical Society Chemical Communications</i> , 1993 , 1201		43
544	Formation of a quaternary carbon center through the Pd(0)/PhCOOH-catalyzed allylation of cyclic beta-keto esters and 1,3-diketones with alkynes. <i>Journal of Organic Chemistry</i> , 2004 , 69, 6478-81	4.2	42
543	Syntheses of the AB and EFGH ring segments of gambierol. <i>Tetrahedron</i> , 2002 , 58, 1799-1816	2.4	42
542	Addition of heteroaromatics to alkylidenecyclopropanes catalyzed by palladium. <i>Journal of Organic Chemistry</i> , 2002 , 67, 3445-9	4.2	42
541	Palladium- and platinum-catalysed addition of aldehydes with allylstannanes. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 1273		42
540	SN ₂ ? Ring opening of aziridines bearing an α,β -unsaturated ester group with organocopper reagents. A new stereoselective synthetic route to (E)-alkene dipeptide isosteres. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1995 , 1359-1371		42
539	Syn-SN ₂ ' pathway in the reaction of certain γ -(methoxy) α,β -unsaturated esters with RCu(CN)MgX.BF ₃ reagents. Importance of MgX and bulky R group upon the diastereoselectivity. <i>Journal of Organic Chemistry</i> , 1993 , 58, 1207-1214	4.2	42
538	Studies on s-Cis/s-Trans Preference of Acyclic α,β -Unsaturated Esters. Reactions, Supersonic Jet Spectroscopy, NOEs, and X-ray Analysis. <i>Journal of Organic Chemistry</i> , 1994 , 59, 4068-4075	4.2	42
537	Cyclic transition state in the acid catalyzed intramolecular allylstannane-aldehyde condensation. <i>Tetrahedron Letters</i> , 1993 , 34, 1313-1316	2	42
536	A convenient and efficient route for the allylation of aromatic amines and α -aryl aldehydes with alkynes in the presence of a Pd(0)/PhCOOH combined catalyst system. <i>Journal of Organic Chemistry</i> , 2004 , 69, 8745-50	4.2	41
535	Do More Electrophilic Aldehydes/Ketones Exhibit Higher Reactivity toward Nucleophiles in the Presence of Lewis Acids?. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3206-3208	16.4	41
534	Ortho-carboranyl glycosides for the treatment of cancer by boron neutron capture therapy. <i>Bioorganic and Medicinal Chemistry</i> , 2001 , 9, 1747-52	3.4	41
533	Preparation and application of a polymer-supported chiral allylpalladium catalyst for the allylation of imines. <i>Tetrahedron Letters</i> , 2000 , 41, 131-134	2	41

- 532 First Exclusive Endo-dig Carbocyclization: HfCl_4 -Catalyzed Intramolecular Allylsilylation of Alkynes. *Journal of the American Chemical Society*, **1998**, 120, 5339-5340 16.4 4¹
- 531 Palladium-Catalyzed Alkoxyallylation of Activated Olefins. *Journal of the American Chemical Society*, **1998**, 120, 6838-6839 16.4 4¹
- 530 A Three Component Coupling Approach to a Chiral 1.β-Methylcarbapenem Key Intermediate. *Journal of Organic Chemistry*, **1995**, 60, 143-148 4.2 4¹
- 529 Enantioselective synthesis of the AB ring fragment of gambiertoxin 4B. Implication for the absolute configuration of gambiertoxin 4B and ciguatoxin. *Tetrahedron Letters*, **1991**, 32, 4505-4508 2 4¹
- 528 Synthesis of carboranes containing nucleoside bases. Unexpectedly high cytostatic and cytotoxic toxicity towards cancer cells. *Journal of the Chemical Society Chemical Communications*, **1992**, 157 4¹
- 527 Reaction of alkenylboranes with methylcopper. A convenient new procedure for the synthesis of symmetrical (E,E)-1,3-dienes. *Journal of the American Chemical Society*, **1977**, 99, 5652-5656 16.4 4¹
- 526 Synthesis of 3- and 6-sulfonylindoles from ortho-alkynyl-N-sulfonylanilines by the use of Lewis acidic transition-metal catalysts. *Chemistry - an Asian Journal*, **2008**, 3, 285-95 4.5 4⁰
- 525 Synthesis of 5-azaindolizine derivatives by the palladium-catalyzed intermolecular formal [3+2] cycloaddition of alkylidenecyclopropanes with 1,2-diazines. *Journal of Organic Chemistry*, **2004**, 69, 3202-4 4.2 4⁰
- 524 Concise synthesis of cyclic ethers via the palladium-catalyzed coupling of ketene acetal triflates and organozinc reagents. Application to the iterative synthesis of polycyclic ethers. *Journal of Organic Chemistry*, **2002**, 67, 3494-8 4.2 4⁰
- 523 Stereocontrolled Total Synthesis of Hemibrevetoxin B. *Journal of Organic Chemistry*, **1998**, 63, 6597-6606 4.2 4⁰
- 522 Lewis Acid-Catalyzed Stereoselective Intramolecular trans-Vinylsilylation of Unactivated Alkynes. *Journal of the American Chemical Society*, **1999**, 121, 3797-3798 16.4 4⁰
- 521 Palladium(0)-Catalyzed Cope Rearrangement of Acyclic 1,5-Dienes. Bis(Allyl)palladium(II) Intermediate. *Journal of the American Chemical Society*, **1999**, 121, 10850-10851 16.4 4⁰
- 520 The influence of (organo)metallics metal-tuning on stereo- and regio-chemical convergence in reactions of allylic carbanions with aldehydes. *Journal of Organometallic Chemistry*, **1985**, 292, 311-318 2.3 4⁰
- 519 Organocopper-Lewis acid mediated 1,3-chirality transfer of acyclic .gamma.,.delta.-dioxxygenated (E)-.alpha.,.beta.-enoates. Regio-, (E)-stereo-, and diastereoselective .alpha.-alkylation approaching 100% selectivity. *Journal of the American Chemical Society*, **1986**, 108, 7420-7422 16.4 4⁰
- 518 Facile synthesis of 3,4-dihalofurans via electrophilic iodocyclization. *Chemical Communications*, **2011**, 47, 4541-3 5.8 39
- 517 Nanoporous Gold-Catalyzed [4+2] Benzannulation between ortho-Alkynylbenzaldehydes and Alkynes. *Synlett*, **2012**, 2012, 66-69 2.2 39
- 516 Gold-catalyzed regiospecific intermolecular hydrothiolation of allenes. *Tetrahedron Letters*, **2010**, 51, 4627-4629 2 39
- 515 The first addition of silyl enol ethers to internal unactivated alkynes. *Tetrahedron Letters*, **1999**, 40, 4081-4084 39

- 514 Unprecedented highly chemoselective allylation of imines in the presence of aldehydes via a palladium catalysed allylstannane reaction. *Chemical Communications*, **1996**, 1459 5.8 39
- 513 trans-Allylstannylation of certain acetylenes catalysed by ZrCl₄. *Chemical Communications*, **1996**, 1513 5.8 39
- 512 Diastereodivergent control in the reactions of allylic and allenic organometallic reagents with pyruvates. *Journal of Organic Chemistry*, **1986**, 51, 886-891 4.2 39
- 511 Exploitation of solar energy storage systems. Valence isomerization between norbornadiene and quadricyclane derivatives. *Journal of Organic Chemistry*, **1981**, 46, 5294-5300 4.2 39
- 510 Organoboranes. 23. Reaction of organolithium and Grignard reagents with .alpha.-bromoalkylboronate esters. A convenient, essentially quantitative procedure for the synthesis of tertiary alkyl-, benzyl-, propargyl-, and stereospecific allylboranes. *Journal of Organic Chemistry*, **1977**, 42, 4088-4092 4.2 39
- 509 Highly Regiocontrolled and Efficient Synthesis of Vinyl- and Allylstannanes via Lewis Acids and Pd-Catalyzed Hydrostannation of Allenes: Scope and Limitations. *Journal of Organic Chemistry*, **1997**, 62, 2963-2967 4.2 38
- 508 Synthesis of 1,3,4-Trisubstituted Isoquinolines by Iodine-Mediated Electrophilic Cyclization of 2-Alkynyl Benzyl Azides. *Angewandte Chemie*, **2007**, 119, 4848-4850 3.6 38
- 507 Addition of hydrogen halides to alkylidenecyclopropanes: a highly efficient and stereoselective method for the preparation of homoallylic halides. *Tetrahedron Letters*, **2003**, 44, 985-987 2 38
- 506 Highly regioselective cyclotrimerization of 1-perfluoroalkylenynes catalyzed by nickel. *Journal of Organic Chemistry*, **2001**, 66, 796-802 4.2 38
- 505 Regiospecific Synthesis of Polysubstituted Phenols via the Palladium-Catalyzed Enyne-Diyne [4 + 2] Cross-Benzannulation Pathway. *Journal of Organic Chemistry*, **1998**, 63, 1244-1247 4.2 38
- 504 Remarkable reversal of the regioselectivity in the palladium catalyzed hydrocarbonation reaction of allenes with methylmalononitrile. *Tetrahedron Letters*, **1995**, 36, 2811-2814 2 38
- 503 N-Methyl Transfer Induced Copper-Mediated Oxidative Diamination of Alkynes. *Organic Letters*, **2016**, 18, 2487-90 6.2 38
- 502 Facile synthesis of dihaloheterocycles via electrophilic iodocyclization. *Tetrahedron*, **2011**, 67, 10147-10155 4.5 37
- 501 Palladium catalyzed hydrosulfination of allenes with tosylhydrazine leading to allylsulfones. *Tetrahedron Letters*, **1998**, 39, 691-694 2 37
- 500 Controlled synthesis of cis or trans isomers of 1,3-disubstituted tetrahydroisoquinolines and 2,5-disubstituted pyrrolidines. *Journal of Organic Chemistry*, **2005**, 70, 4043-53 4.2 37
- 499 Palladium Catalyzed Cascade Reactions Involving Allyl Palladium Chemistry 91-113 37
- 498 Diastereoselective intramolecular diels-alder reaction of N-alkoxycarbonyl -1-aza-1,3-butadienes and a total synthesis of the piperidine alkaloid, (±)-sedridine.. *Tetrahedron Letters*, **1991**, 32, 4371-4374 2 37
- 497 A new approach to the construction of .beta.-alkoxy-substituted cyclic ethers via the intramolecular cyclization of .omega.-trialkylplumbyl and .omega.-trialkylstannyl ether acetals. *Journal of Organic Chemistry*, **1990**, 55, 6066-6068 4.2 37

496	The metal effect on aldol type stereoselection. Erythro-selective condensations with aldehydes via .alpha.-mercurio ketones. <i>Journal of the American Chemical Society</i> , 1982 , 104, 2323-2325	16.4	37
495	Stereocontrolled cis addition of organocopper reagents RCu.cntdot.BR'3 to .alpha.,.beta.-acetylenic carbonyl compounds. <i>Journal of Organic Chemistry</i> , 1979 , 44, 1744-1746	4.2	37
494	Br�sted acid-catalyzed metal- and solvent-free quinoline synthesis from N-alkyl anilines and alkynes or alkenes. <i>Green Chemistry</i> , 2018 , 20, 261-265	10	37
493	Synthesis of extended polycyclic aromatic hydrocarbons by oxidative tandem spirocyclization and 1,2-aryl migration. <i>Nature Communications</i> , 2017 , 8, 15073	17.4	36
492	Palladium catalyzed hydroamination of conjugated enynes. <i>Tetrahedron Letters</i> , 1998 , 39, 1037-1040	2	36
491	Synthesis of multisubstituted 2-(dihydrofuran-2(3H)-ylidene)acetates via intramolecular carboalkoxylation by platinum-olefin catalyst system. <i>Organic Letters</i> , 2008 , 10, 309-12	6.2	36
490	Pd(0)?PhCOOH catalyzed addition of oxygen pronucleophiles to allenes and internal alkynes. <i>Canadian Journal of Chemistry</i> , 2005 , 83, 569-573	0.9	36
489	Catalytic asymmetric carbalkoxyallylation of imines with the chiral bis-pi-allylpalladium complex. <i>Journal of Organic Chemistry</i> , 2004 , 69, 3562-4	4.2	36
488	Novel carboranes with a DNA binding unit for the treatment of cancer by boron neutron capture therapy. <i>ChemBioChem</i> , 2002 , 3, 219-25	3.8	36
487	Lewis acid catalysed trans-hydrostannylation of acetylenes. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 2405		36
486	Regioreversed addition of crotylmagnesium chloride to carbonyl compounds in the presence of aluminum chloride. <i>Journal of Organic Chemistry</i> , 1983 , 48, 1564-1565	4.2	36
485	Organometallic high pressure reactions. Allylation of aldehydes with allylic stannanes under mild conditions. <i>Journal of the Chemical Society Chemical Communications</i> , 1983 , 489		36
484	High control of the regiochemistry in reactions of heterosubstituted allylic carbanions via allylic aluminum "ate" complexes. <i>Journal of Organic Chemistry</i> , 1980 , 45, 195-196	4.2	36
483	2-Positional pyrene end-capped oligothiophenes for high performance organic field effect transistors. <i>Chemical Communications</i> , 2016 , 52, 4800-3	5.8	35
482	Exclusive chemoselective reduction of imines in the coexistence of aldehydes using AuNPore catalyst. <i>Organic Letters</i> , 2014 , 16, 2558-61	6.2	35
481	�chelation-Controlled Stereoselective Hydrosilylation of Ketones. <i>Journal of the American Chemical Society</i> , 2001 , 123, 6931-6932	16.4	35
480	erythro-Selective aldol condensation via triphenyltin enolates. Stereoselection independent of the stereochemistry of the enolates. <i>Journal of the Chemical Society Chemical Communications</i> , 1981 , 162		35
479	Rhodium-Catalyzed Oxidative Benzannulation of N-Adamantyl-1-naphthylamines with Internal Alkynes via Dual C-H Bond Activation: Synthesis of Substituted Anthracenes. <i>Organic Letters</i> , 2016 , 18, 4246-9	6.2	34

- 478 Reusable and Sustainable Nanostructured Skeleton Catalyst: Heck Reaction with Nanoporous Metallic Glass Pd (PdNPore) as a Support, Stabilizer and Ligand-Free Catalyst. *Advanced Synthesis and Catalysis*, **2011**, 353, 2927-2932 5.6 34
- 477 Synthesis of carboranes containing an azulene framework and in vitro evaluation as boron carriers. *Journal of Medicinal Chemistry*, **1997**, 40, 2825-30 8.3 34
- 476 Anti-Wacker-type hydroalkoxylation of diynes catalyzed by palladium(0). *Tetrahedron Letters*, **2002**, 43, 1085-1088 2 34
- 475 An Efficient Route to 2,6-Disubstituted Styrenes via the Palladium-Catalyzed [4 + 2] Cyclodimerization of Conjugated Enynes. *Journal of Organic Chemistry*, **1998**, 63, 7022-7025 4.2 34
- 474 Hydrostannation of C≡ multiple bonds with Bu₃SnH prepared in situ from Bu₃SnCl and Et₃SiH in the presence of Lewis acid catalysts. *Chemical Communications*, **1998**, 37-38 5.8 34
- 473 Palladium Catalyzed π -Addition of Certain Pronucleophiles to Alkoxyallenes. *Synlett*, **1995**, 1995, 969-970. 0.2 34
- 472 Enantio- and diastereo-selective synthesis of amino acids via the reaction of allylic boron compounds with π -imino-esters. *Journal of the Chemical Society Chemical Communications*, **1985**, 1131-1132 34
- 471 The Electron Spin Resonance of Triplet Dihydrodibenzo[a,d]cycloheptenylidene, Dibenzo[a,d]cycloheptenylidene, and Tribenzo[a,c,e]cycloheptenylidene. *Journal of the American Chemical Society*, **1967**, 89, 1259-1260 16.4 34
- 470 Ni-Catalyzed direct 1,4-difunctionalization of [60]fullerene with benzyl bromides. *Chemical Communications*, **2015**, 51, 6392-4 5.8 33
- 469 Chemoselective reduction of π , π -unsaturated aldehydes using an unsupported nanoporous gold catalyst. *Chemical Communications*, **2014**, 50, 14401-4 5.8 33
- 468 Cascade cyclization of aryldiynes using iodine: synthesis of iodo-substituted benzo[b]naphtho[2,1-d]thiophene derivatives for dye-sensitized solar cells. *Tetrahedron Letters*, **2012**, 53, 1946-1950 2 33
- 467 Facile synthesis of diiodinated dihydronaphthalenes and naphthalenes via iodine mediated electrophilic cyclization. *Chemical Communications*, **2011**, 47, 4013-5 5.8 33
- 466 Design, synthesis, and biological evaluation of aminoboronic acids as growth-factor receptor inhibitors of EGFR and VEGFR-1 tyrosine kinases. *ChemBioChem*, **2004**, 5, 483-90 3.8 33
- 465 Cyanamide synthesis by the palladium-catalyzed cleavage of a Si-N bond. *Angewandte Chemie - International Edition*, **2002**, 41, 1780-2 16.4 33
- 464 Synthesis and in vivo biodistribution of BPA-Gd-DTPA complex as a potential MRI contrast carrier for neutron capture therapy. *Bioorganic and Medicinal Chemistry*, **2005**, 13, 735-43 3.4 33
- 463 Synthesis of Polyether Exomethylene Paracyclophanes via an Intramolecular Pd-Catalyzed Bis-Enyne Benzannulation Protocol. *Journal of Organic Chemistry*, **1998**, 63, 1217-1220 4.2 33
- 462 Higher order zinc cuprate reagents. Very high 1,3-chirality transfer reaction of γ -(mesyloxy)- α,β -unsaturated carbonyl derivatives. *Journal of Organic Chemistry*, **1992**, 57, 1024-1026 4.2 33
- 461 Highly Selective Synthesis of (E)-Alkene Isosteric Dipeptides With High Optical Purity via RCu(CN)LiBF₃ Mediated Reaction. *Angewandte Chemie International Edition in English*, **1990**, 29, 801-803 33

460	Diastereoselectivity of conjugate addition to β -alkoxy- α,β -unsaturated esters via organocopper-Lewis acids and related reagents. Importance of the double bond geometry in controlling the selectivity. <i>Journal of the Chemical Society Chemical Communications</i> , 1987 , 464-466		33
459	Enantiodivergent 1,2- and 1,3-asymmetric induction in β - and β -alkoxyimines via metal tuning and stereodifferentiation. <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 814-816		33
458	A short and stereoselective synthesis of the (β) Prelog-Djerassi lactonic acid. <i>Tetrahedron Letters</i> , 1981 , 22, 4235-4238	2	33
457	Synthesis of new donor-acceptor-donor materials via Au-catalyzed double cascade cyclization. <i>Tetrahedron Letters</i> , 2012 , 53, 914-918	2	32
456	Structure-Property relationship of naphthalene based donor-acceptor organic dyes for dye-sensitized solar cells: remarkable improvement of open-circuit photovoltage. <i>Journal of Materials Chemistry</i> , 2012 , 22, 22550		32
455	Intramolecular Reaction of (gamma-Alkoxyallyl)stannane with Aldehyde: Origin of the Stereoselectivities. <i>Journal of Organic Chemistry</i> , 1997 , 62, 7439-7446	4.2	32
454	A new enamine synthesis: Allylation-enamination reaction of nitriles with allylindium reagents. <i>Tetrahedron Letters</i> , 1998 , 39, 4729-4732	2	32
453	Synthesis of the J ring segment of gambieric acid. <i>Tetrahedron Letters</i> , 2001 , 42, 3649-3651	2	32
452	Palladium Catalyzed Regioselective β -Acetonation- β -Allylation of Activated Olefins in One Shot. <i>Journal of Organic Chemistry</i> , 1998 , 63, 8470-8474	4.2	32
451	The anti-selective Michael addition of allylic organometals to ethylidenemalonates and related compounds. <i>Journal of Organic Chemistry</i> , 1988 , 53, 3597-3603	4.2	32
450	Regioselective Synthesis of 1,3,5-Unsymmetrically Substituted Benzenes via the Palladium-Catalyzed Cyclotrimerization of 1,3-Diynes. <i>Journal of the American Chemical Society</i> , 1997 , 119, 4547-4548	16.4	31
449	A New Synthetic Route to 1,3-Oxazolidines via Palladium-catalyzed Regioselective [3+2] Cycloaddition of Vinylic Oxiranes with Imines. <i>Heterocycles</i> , 2000 , 52, 885	0.8	31
448	Ytterbium triisopropoxide catalysed ring opening of epoxides with trimethylsilyl azide. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 1021		31
447	Unprecedented rearrangement reaction of 2-aziridinemethanols with lower order-lithium methylcyanocuprate. <i>Tetrahedron Letters</i> , 1993 , 34, 7421-7424	2	31
446	Palladium-catalyzed regioselective allylation of five-membered heteroarenes with allyltributylstannane. <i>Chemical Communications</i> , 2015 , 51, 3842-5	5.8	30
445	o-Carborane as a Novel Protective Group for Aldehydes and Ketones. <i>Journal of Organic Chemistry</i> , 1997 , 62, 780-781	4.2	30
444	Synthesis of the E ring of gambierol. <i>Tetrahedron Letters</i> , 1998 , 39, 6369-6372	2	30
443	An Efficient, Facile, and General Synthesis of 1H-Indazoles by 1,3-Dipolar Cycloaddition of Arynes with Diazomethane Derivatives. <i>Angewandte Chemie</i> , 2007 , 119, 3387-3389	3.6	30

- 442 Suppression of β -Hydride Elimination in the Intramolecular Hydrocarboxylation of Alkynes leading to the Formation of Lactones. *Advanced Synthesis and Catalysis*, **2007**, 349, 680-684 5.6 30
- 441 Synthesis of 6H-dibenzo[b,d]pyran-6-ones from aryl 3-bromopropenoates via a sequential one-pot procedure using the Sonogashira coupling-benzannulation reaction. *Journal of Organic Chemistry*, **2002**, 67, 5138-41 4.2 30
- 440 A Practical Method for the Synthesis of Enantiomerically Pure 4-Borono-L-phenylalanine. *Bulletin of the Chemical Society of Japan*, **2000**, 73, 231-235 5.1 30
- 439 Palladium catalyzed [2+2+1] cyclotrimerization of alkynes: selective synthesis of fulvenes. *Tetrahedron Letters*, **2000**, 41, 1971-1974 2 30
- 438 Synthesis of cyclic ethers via the palladium catalyzed intramolecular hydrocarbonation of alkoxyallenes. *Tetrahedron Letters*, **1999**, 40, 1747-1750 2 30
- 437 Ytterbium Triflate Catalyzed Ring Opening of Aziridines with Amines. *Heterocycles*, **1996**, 43, 2473 0.8 30
- 436 Copper-Catalyzed Aza-Diels-Alder Reaction and Halogenation: An Approach To Synthesize 7-Halogenated Chromenoquinolines. *Organic Letters*, **2016**, 18, 2491-4 6.2 30
- 435 Intermolecular Amidation of Quinoline N-Oxides with Arylsulfonamides under Metal-Free Conditions. *Organic Letters*, **2017**, 19, 6088-6091 6.2 29
- 434 Asymmetric total syntheses of hydroxylated piperidine alkaloids via the intramolecular reaction of β -aminoallylstannane with aldehyde. *Tetrahedron: Asymmetry*, **1997**, 8, 3887-3893 29
- 433 Carboranyl bisglycosides for the treatment of cancer by boron neutron capture therapy. *ChemBioChem*, **2001**, 2, 326-34 3.8 29
- 432 Palladium catalysed β -addition of pronucleophiles to allenyl sulfides. *Chemical Communications*, **1996**, 831-832 5.8 29
- 431 Asymmetric cyclization via tandem conjugate addition by using metal amide reagents. Importance of the folded orientation of two enoate moieties. *Journal of Organic Chemistry*, **1992**, 57, 5049-5051 4.2 29
- 430 Organometallic-crown reagents. Anti-Cram selectivity via $R_2CuLi \cdot crown$ and enhanced Cram selectivity via $RLi \cdot crown$ and $RMgX \cdot crown$. *Journal of the American Chemical Society*, **1985**, 107, 6411-6413 16.4 29
- 429 NaOH-catalyzed dimerization of monofunctionalized hydrofullerenes: transition-metal-free, general, and efficient synthesis of single-bonded [60]fullerene dimers. *Organic Letters*, **2012**, 14, 3466-9 6.2 28
- 428 Triflic acid-catalyzed cascade cyclization of arenyl enynes via acetylene-cation cyclization and Friedel-Crafts type reaction. *Tetrahedron Letters*, **2011**, 52, 2069-2071 2 28
- 427 Boron-10 carriers for NCT. A new synthetic method via condensation with aldehydes having boronic moiety. *Tetrahedron Letters*, **1989**, 30, 7191-7194 2 28
- 426 The Lewis acid mediated reaction of carbamates with β -oxygenated allyltin and its application to (β)-statine synthesis. *Journal of the Chemical Society Chemical Communications*, **1989**, 1310-1312 28
- 425 Aldol reactions, conjugate additions, and alkylation reactions of O-silylated ketene acetals under neutral conditions. *Tetrahedron Letters*, **1984**, 25, 1075-1078 2 28

424	Synthesis of triacontanol via metathesis-hydroboration-isomerization-oxidation. <i>Journal of Organic Chemistry</i> , 1980 , 45, 737-738	4.2	28
423	Synthesis of Quinazolin-4(3 H)-ones via the Reaction of 2-Halobenzamides with Nitriles. <i>Journal of Organic Chemistry</i> , 2018 , 83, 10352-10358	4.2	27
422	The synergistic effect of nanoporous AuPd alloy catalysts on highly chemoselective 1,4-hydrosilylation of conjugated cyclic enones. <i>Chemical Communications</i> , 2014 , 50, 3344-6	5.8	27
421	First Synthesis of Exomethylene Paracyclophanes and Their Structural Properties. <i>Journal of Organic Chemistry</i> , 1997 , 62, 5042-5047	4.2	27
420	The first chemo- and regiospecific palladium-catalyzed enyne-diyne [4+2] intermolecular cross-benzannulation: an effective route to polysubstituted benzenes. <i>Tetrahedron Letters</i> , 1997 , 38, 8603-8604	2	27
419	Palladium-Catalyzed Allylation of Pronucleophiles with Alkynes at 50 °C [Remarkable Effect of 2-(Dicyclohexylphosphanyl)-2'-(dimethylamino)biphenyl as Ligand. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 4211-4213	3.2	27
418	Palladium-catalyzed dimerization of conjugated diynes: synthesis of (E)-1,2-divinyldiethynylethenes having donor and acceptor chromophores at the terminus of alkyne. <i>Journal of Organic Chemistry</i> , 2006 , 71, 1152-5	4.2	27
417	Benzamides and benzamidines as specific inhibitors of epidermal growth factor receptor and v-Src protein tyrosine kinases. <i>Bioorganic and Medicinal Chemistry</i> , 2004 , 12, 3529-42	3.4	27
416	A new approach to the synthesis of cyclic ethers via the intermolecular allylation of β -acetoxy ethers and ring-closing metathesis. <i>Tetrahedron</i> , 2004 , 60, 7361-7365	2.4	27
415	Synthesis of the A ring segment of gambieric acid. <i>Tetrahedron Letters</i> , 2001 , 42, 3645-3647	2	27
414	Synthesis of cyclophanes via an intermolecular Pd-catalyzed enyne-diyne cross-benzannulation approach. <i>Journal of Organic Chemistry</i> , 2001 , 66, 2743-6	4.2	27
413	Hydroamination of Alkynes Catalyzed by Palladium/Benzoic Acid. <i>Heterocycles</i> , 2002 , 58, 347	0.8	27
412	From molecular catalysts to nanostructured materials skeleton catalysts. <i>Pure and Applied Chemistry</i> , 2012 , 84, 1771-1784	2.1	26
411	Copper-catalyzed conversion of aryl and heteroaryl bromides into the corresponding chlorides. <i>Chemical Communications</i> , 2012 , 48, 9468-70	5.8	26
410	Metal-Catalyzed Intramolecular Heteroatom (X)-to-Carbon (C) Functional Group Migration Reactions Involving Additions of X-C Bonds Across Alkynes. <i>Advances in Heterocyclic Chemistry</i> , 2010 , 75-95	2.4	26
409	Intramolecular Hydrocarbonation of β -Alkynyl Malononitriles Catalyzed by Palladium Olefin Complexes. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 2477-2480		26
408	Synthesis of the AB ring system of gambierol. <i>Tetrahedron Letters</i> , 1998 , 39, 6365-6368	2	26
407	Synthesis of indenenes by ytterbium-catalyzed carboalkoxylation/Friedel-Crafts reaction of arylidenecyclopropanes with acetals. <i>Tetrahedron Letters</i> , 2004 , 45, 2903-2906	2	26

406	Kontrollierte Palladium-katalysierte intermolekulare Dehydrobenzol-Alken- und Dehydrobenzol-Alkin-Alken-Insertion Synthese von Phenanthren- und Naphthalinderivaten. <i>Angewandte Chemie</i> , 2000 , 112, 185-187	3.6	26
405	Lewis acid-catalyzed trans-carbosilylation of alkynes with propargyl- and allenyltrimethylsilanes. <i>Tetrahedron Letters</i> , 2000 , 41, 4499-4502	2	26
404	Palladium catalysed addition-substitution reaction of pronucleophiles with allenylstannanes and prop-2-ynylstannanes. <i>Chemical Communications</i> , 1996 , 381-382	5.8	26
403	Mediation of the reactivity of the strong Lewis acid titanium tetrachloride by complexation with XPh ₃ (X = arsenic, antimony, bismuth). <i>Journal of Organic Chemistry</i> , 1993 , 58, 4783-4784	4.2	26
402	Regioreversed reactions of trimethylsilyl or phenylselenyl allylic carbanion with carbonyl compounds via allylic aluminum Et ₃ complexes. <i>Tetrahedron Letters</i> , 1982 , 23, 4597-4600	2	26
401	Isoquinolone synthesis through S(N)Ar reaction of 2-halobenzonitriles with ketones followed by cyclization. <i>Journal of Organic Chemistry</i> , 2015 , 80, 3998-4002	4.2	25
400	Theoretical Analysis on the Optoelectronic Properties of Single Crystals of Thiophene-furan-phenylene Co-Oligomers: Efficient Photoluminescence due to Molecular Bending. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 8072-8078	3.8	25
399	Facile deallylation protocols for the preparation of N-unsubstituted triazoles and tetrazoles. <i>Journal of Organic Chemistry</i> , 2005 , 70, 6389-97	4.2	25
398	Allylation of ketones with allylstannanes catalyzed by Lewis acid-Lewis base combined reagents. <i>Tetrahedron Letters</i> , 2000 , 41, 9883-9887	2	25
397	An aza-Payne rearrangement-epoxide ring opening reaction of 2-aziridinemethanols in a one-pot manner: A regio- and stereoselective synthetic route to diastereomerically pure N-protected 1,2-amino alcohols. <i>Tetrahedron</i> , 1996 , 52, 11739-11752	2.4	25
396	A general and efficient method for the preparation of α -alkoxyallylstannanes via an acetal cleavage. <i>Tetrahedron Letters</i> , 1996 , 37, 3195-3198	2	25
395	Stereodivergent synthesis of 1,2-diol derivatives via α -alkoxy organolead compounds. SE2-retention pathway. <i>Journal of the American Chemical Society</i> , 1990 , 112, 6118-6120	16.4	25
394	Regioreversed addition of but-2-enyltributylstannane to aldehydes in the presence of aluminium chloride-propan-2-ol. <i>Journal of the Chemical Society Chemical Communications</i> , 1983 , 742-743		25
393	Organoboranes. 22. Light-induced reaction of bromine with alkylboronate esters. A convenient synthesis of α -bromoalkylboronate esters. <i>Journal of Organic Chemistry</i> , 1977 , 42, 3252-3254	4.2	25
392	Structure-property relationship of different electron donors: novel organic sensitizers based on fused dithienothiophene-conjugated linker for high efficiency dye-sensitized solar cells. <i>Tetrahedron</i> , 2013 , 69, 3444-3450	2.4	24
391	Copper-catalyzed aldol-type addition of ketones to aromatic nitriles: a simple approach to enaminone synthesis. <i>Chemical Communications</i> , 2013 , 49, 2885-7	5.8	24
390	Triflic acid mediated cascade cyclization of aryldiynes for the synthesis of indeno[1,2-c]chromenes: application to dye-sensitized solar cells. <i>Chemistry - A European Journal</i> , 2015 , 21, 4065-70	4.8	24
389	Facile synthesis of 3,4-diiododihydrothiophenes via electrophilic iodocyclization. <i>Tetrahedron Letters</i> , 2011 , 52, 936-938	2	24

388	Palladium-catalyzed ring-opening reaction of methyleneaziridines with carboxylic acids: synthesis of alpha-amidoketones. <i>Journal of Organic Chemistry</i> , 2004 , 69, 2856-8	4.2	24
387	Convergent synthesis of the AB ring segment of yessotoxin and adriatoxin. <i>Tetrahedron Letters</i> , 2003 , 44, 8935-8938	2	24
386	A novel convergent approach to trans-fused polyether frameworks based on the reaction of vinylstannanes and triflates and its application to a synthetic study of the EFGH ring system of gambierol. <i>Tetrahedron Letters</i> , 2000 , 41, 5769-5772	2	24
385	Synthesis of Netropsin and Distamycin Analogs Bearing o-Carborane and Their DNA Recognition. <i>Journal of Organic Chemistry</i> , 1995 , 60, 3352-3357	4.2	24
384	Synthesis of carboranes containing nucleoside bases. <i>Heteroatom Chemistry</i> , 1992 , 3, 239-244	1.2	24
383	Regiocontrolled head-to-tail coupling of allylic boron "ate" complexes with allylic halides. <i>Journal of the American Chemical Society</i> , 1978 , 100, 6282-6284	16.4	24
382	Novel Palladium Catalyzed Formal [3 + 2] Cycloaddition via Hydrocarbonation Reactions of Allenes. <i>Journal of Organic Chemistry</i> , 1999 , 64, 694-695	4.2	23
381	Stereocontrolled synthesis of the hemibrevetoxin ring system via an allylic tin method. <i>Journal of the Chemical Society Chemical Communications</i> , 1993 , 1638		23
380	A novel method for generation of enolizable N-trimethylsilylaldimines and application to lactam synthesis. <i>Tetrahedron Letters</i> , 1989 , 30, 4275-4278	2	23
379	Heterosubstituted allylic carbanion based stereocontrol, regio- and stereo- selective reaction of O and S substituted allylic carbanions with aldehydes. <i>Tetrahedron Letters</i> , 1982 , 23, 4959-4962	2	23
378	Methylcopper induced coupling of dialkenylchloroboranes. New procedure for the stereoselective synthesis of (E,E)-1,3-dienes. <i>Journal of the American Chemical Society</i> , 1975 , 97, 5606-5607	16.4	23
377	Stereo-, chemo-, and regioselective reductions of carbonyl groups via the lithium di-n-butyl-9-borabicyclo[3.3.1]nonane "ate" complex. <i>Journal of the American Chemical Society</i> , 1976 , 98, 1965-1967	16.4	23
376	Palladium-catalyzed addition of ketones to alkylidenecyclopropanes. <i>Tetrahedron Letters</i> , 2002 , 43, 2903-2907	2.2	22
375	Palladium-catalyzed cyanoallylation of activated olefins. <i>Tetrahedron Letters</i> , 2000 , 41, 2911-2914	2	22
374	Nickel(0)-Catalyzed Unprecedented Zipper Annulation of Certain Conjugated Enynes. <i>Journal of the American Chemical Society</i> , 2000 , 122, 1810-1811	16.4	22
373	Conformationally rigid acyclic 2,2,6,6-tetramethyl-3,5-heptanediol (TMHDIol) derivative as a new class of chiral auxiliaries. <i>Journal of the American Chemical Society</i> , 1993 , 115, 10139-10146	16.4	22
372	SN2? selective alkylation of allylic chlorides and mesylates with RZnX reagents generated from Grignard reagents, zinc chloride, lithium chloride, and Cu(II)-salts. <i>Tetrahedron Letters</i> , 1993 , 34, 4227-4230	2.3	22
371	Regio- and stereo-selectivity in the reaction of methyl 4,5-epoxy-2-hexenoate with methylcopper reagents. <i>Tetrahedron</i> , 1989 , 45, 435-442	2.4	22

- 370 Construction of fused-ring skeletons based on photochemical rearrangements of bicyclo[3.2.1]oct-6-en-2-ones and application to a total synthesis of (+)-.DELTA.9(12)-capnellene. *Journal of Organic Chemistry*, **1989**, 54, 5411-5413 4.2 22
- 369 Rearrangement approach to bridgehead substitution of 1-methoxybicyclo[2.2.2]oct-5-en-2-ones. *Journal of the American Chemical Society*, **1989**, 111, 7264-7265 16.4 22
- 368 A new method for generation and intramolecular diels-alder reaction of N-acyl and N-alkoxycarbonyl-1-aza-1,3-butadienes. A one-pot synthesis of 1,7,8,8a-tetrahydro-3(2H)-indolizinones and 1,2,3,8,9,9a-hexahydro-4(4h)-quinolinones from β,β -unsaturated aldehydes. *Tetrahedron Letters*, **1990**, 31, 3753-3756 2 22
- 367 Stereoselective β -alkylation of β,β -unsaturated esters utilizing conjugate addition of nitrogen nucleophiles (R_2NLi). *Journal of the Chemical Society Chemical Communications*, **1987**, 1410-1411 22
- 366 Stereochemical Control by an Ester Group or Olefin Ligand in Platinum-Catalyzed Carboalkoxylation of 6-(1-Alkoxyethoxy)-hex-2-ynoates. *Advanced Synthesis and Catalysis*, **2009**, 351, 1089-1100 5.6 21
- 365 Triflic Acid Catalyzed Synthesis of Spirocycles via Acetylene Cations. *Angewandte Chemie*, **2009**, 121, 6007-6010 3.6 21
- 364 Synthesis of 1,2,3,4-tetrasubstituted pyrrole derivatives via the palladium-catalyzed reaction of 1,3-diketones with methyleneaziridines. *Tetrahedron Letters*, **2007**, 48, 2267-2270 2 21
- 363 Addition of water to arylidenecyclopropanes: a highly efficient method for the preparation of gem-aryl disubstituted homoallylic alcohols. *Tetrahedron Letters*, **2003**, 44, 4547-4550 2 21
- 362 Lewis acid-mediated intramolecular addition of silyl enol ethers to internal unactivated alkynes. *Canadian Journal of Chemistry*, **2001**, 79, 1624-1631 0.9 21
- 361 Palladium-Catalyzed cross-Benzannulation of Aminoalkynes with Dienes. Highly Regioselective Synthesis of Polysubstituted Anilines. *Journal of Organic Chemistry*, **2000**, 65, 4338-4341 4.2 21
- 360 The synthesis of a carborane gadolinium-DTPA complex for boron neutron capture therapy. *Journal of Organometallic Chemistry*, **1999**, 581, 170-175 2.3 21
- 359 A simple synthesis of $[(E)CH_2CH]_n$ gly dipeptide isosteres via reductive elimination of β -oxygenated β,β -enoates with alkenylcopper reagents. *Tetrahedron Letters*, **1991**, 32, 4969-4972 2 21
- 358 An efficient synthesis of chiral quaternary carbon centres with high optical purity via 1,3-chirality transfer. *Journal of the Chemical Society Chemical Communications*, **1987**, 1596 21
- 357 Carbon-carbon bond formation at the β -position of dienolates via the palladium catalysed coupling of the tin masked dienolates. *Journal of the Chemical Society Chemical Communications*, **1988**, 86-87 21
- 356 Organometallic high pressure reaction. 5. A new procedure for the synthesis of α -silylated esters and lactones. Migration of silicon from oxygen to carbon at high pressure. *Organometallics*, **1984**, 3, 1583-1585 3.8 21
- 355 Tunneling Desorption of Single Hydrogen on the Surface of Titanium Dioxide. *ACS Nano*, **2015**, 9, 6837-426.7 20
- 354 Highly chemoselective reduction of imines using a AuNPore/PhMe₂SiH/water system and its application to reductive amination. *Tetrahedron*, **2015**, 71, 7154-7158 2.4 20
- 353 FeCl₃-Mediated Oxidative Spirocyclization of Difluorenylidene Diarylethanes Leading to Dispiro[fluorene-9,5'-indeno[2,1-a]indene-10',9''-fluorene]s. *Angewandte Chemie - International Edition*, **2016**, 55, 259-63 16.4 20

352	Synthesis of 2,3-dihydro-1H-inden-1-one derivatives via Ni-catalyzed intramolecular hydroacylation. <i>Tetrahedron</i> , 2012 , 68, 5223-5228	2.4	20
351	Concise synthesis of cyclic ethers via the palladium-catalyzed coupling of ketene acetal triflates and a zinc homoenolate. Synthesis of the DE and GH ring segments of gambierol. <i>Tetrahedron Letters</i> , 2001 , 42, 4729-4731	2	20
350	Effective synthesis of aryl ethers and coumaranones employing the palladium-catalyzed enyne-diyne. <i>Journal of Organic Chemistry</i> , 2000 , 65, 568-72	4.2	20
349	A Concise and Stereospecific One-Shot Synthesis of Bicyclo[3.3.1]nonenols from Dimethyl 1,3-Acetonedicarboxylate and Enals via the Sequential Michael AdditionIntramolecular Aldolization. <i>Journal of Organic Chemistry</i> , 1999 , 64, 4148-4151	4.2	20
348	Synthesis of a water-soluble o-carbaborane bearing a uracil moiety via a palladium-catalysed reaction under essentially neutral conditions. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 577		20
347	An improved and practical method for the synthesis of optically active diethyl tartrate dibenzyl ether. <i>Journal of Organic Chemistry</i> , 1991 , 56, 1321-1322	4.2	20
346	Asymmetric synthesis of syn 1,2-diols via the reaction of aldehydes with chiral .gamma.-(tetrahydropyranyloxy)allylstannanes. <i>Journal of Organic Chemistry</i> , 1992 , 57, 7003-7005	4.2	20
345	Cyclisation of β,γ -unsaturated dioic acid esters via tandem conjugate additions by using lithium N-benzyltrimethylsilylamide (LSA) as a nitrogen nucleophile and its application to a total synthesis of (\pm) -dihydronepetalactone and (\pm) -isodihydronepetalactone. <i>Journal of the Chemical Society Chemical Communications</i> , 1993 , 113-114		20
344	The titanium tetrachloride-mediated alkynylation and allylation of a steroidal aldehyde via stannylacetylenes and allylstannanes with high cram selectivity. <i>Journal of the Chemical Society Chemical Communications</i> , 1986 , 102		20
343	Diastereoselectivity of conjugate addition to β -alkyl- α,β -unsaturated esters; stereocontrol with the aid of organocopper reagents. <i>Journal of the Chemical Society Chemical Communications</i> , 1987 , 1572-1573		20
342	Stereoselective synthesis of 1,4-dienes and mono-olefins by methylcopper-induced cross-coupling of dialkenylchloroboranes with organic halides. <i>Journal of the Chemical Society Chemical Communications</i> , 1976 , 452		20
341	Protonolysis of alkenylboranes under neutral condition by treatment with catalytic amounts of palladium diacetate. <i>Journal of the Chemical Society Chemical Communications</i> , 1978 , 702		20
340	Palladium-Catalyzed Regioselective Allylation of Chloromethyl(hetero)arenes with Allyl Pinacolborate. <i>Advanced Synthesis and Catalysis</i> , 2017 , 359, 2723-2728	5.6	19
339	Manganese-Catalyzed C \equiv N Cyanation of Arenes with N-Cyano-N-(4-methoxy)phenyl-p-toluenesulfonamide. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 550-553		19
338	Rhodium(III)-Catalyzed Oxidative [3 + 2] Annulation of 2-Acetyl-1-arylhydrazines with Maleimides: Synthesis of Pyrrolo[3,4-]indole-1,3-diones. <i>Organic Letters</i> , 2019 , 21, 8563-8567	6.2	19
337	Total synthesis of brevenal. <i>Tetrahedron</i> , 2010 , 66, 5329-5344	2.4	19
336	Mechanism and chemoselectivity of the Pd(II)-catalyzed allylation of aldehydes: a density functional theory study. <i>Journal of Organic Chemistry</i> , 2007 , 72, 861-9	4.2	19
335	Oxindole Synthesis through Intramolecular Nucleophilic Addition of Vinylpalladiums to Aryl Isocyanates. <i>Angewandte Chemie</i> , 2005 , 117, 7896-7899	3.6	19

- 334 A new synthetic method of all carboxylate-free DTPA derivatives and its application to the synthesis of Gd-carborane complex. *Tetrahedron Letters*, **1996**, 37, 539-542 2 19
- 333 1-Carboranyl-3-(2-methylaziridino)-2-propanol. Synthesis, selective uptake by B-16 melanoma, and selective cytotoxicity toward cancer cells. *Journal of Medicinal Chemistry*, **1993**, 36, 2232-4 8.3 19
- 332 A chemical scale for electron-transfer ability of methylcopper reagents. *Journal of the Chemical Society Chemical Communications*, **1994**, 2003 19
- 331 The alkylation of β -ethoxycarbamates with organo-lead, -zinc, and -copper reagents. High chiral selectivity and formal nonbasic alkylation of imines. *Tetrahedron Letters*, **1989**, 30, 5611-5614 2 19
- 330 Synthesis of 1,4-dicarbonyl compounds via the conjugate addition of a masked activated ester, ROCH(CN)₂. *Journal of Organic Chemistry*, **1991**, 56, 7195-7196 4.2 19
- 329 A new type of stable, storable, and selective alkylating reagent, tetraalkyllead. *Journal of the American Chemical Society*, **1987**, 109, 4395-4396 16.4 19
- 328 The opposite diastereoselectivity in the alkylation and protonation of enolates. *Journal of the Chemical Society Chemical Communications*, **1984**, 904 19
- 327 Stereoselective synthesis of E-olefins by the reaction of alkenylboranes with palladium acetate. *Journal of the Chemical Society Chemical Communications*, **1977**, 852 19
- 326 Perspectives on organic synthesis using nanoporous metal skeleton catalysts. *Tetrahedron*, **2014**, 70, 2305-2317 2.4 18
- 325 Convergent synthesis of the A_B ring segment of ciguatoxin CTX3C. *Tetrahedron*, **2009**, 65, 7784-7789 2.4 18
- 324 Convergent synthesis of the FGHI ring segment of yessotoxin. *Tetrahedron Letters*, **2006**, 47, 89-92 2 18
- 323 Synthesis of 3-Methylenepyrrolidines by Palladium-catalyzed [3+2] Cycloaddition of Alkylidenecyclopropanes with Imines. *Heterocycles*, **2003**, 61, 247 0.8 18
- 322 The Fate of Bis(β -allyl)palladium Complexes in the Presence of Aldehydes (or Imines) and Allylic Chlorides: Stille Coupling versus Allylation of Aldehydes (or Imines). *Angewandte Chemie*, **2001**, 113, 3308-3310 3.6 18
- 321 Synthesis of allenes via palladium catalysed addition of certain activated methynes to conjugated enynes. *Chemical Communications*, **1996**, 17 5.8 18
- 320 Synthesis of β -alkoxycyclic Ethers from β -organometallic Ether Acetals. Stereocontrol with the Combined Lewis Acid System, Titanium(IV) Chloride-Triphenylphosphine. *Synlett*, **1991**, 1991, 823-824 2.2 18
- 319 Rearrangement approaches to cyclic skeletons. 6. Total synthesis of (+, -)-ptilocaulin on the basis of formal bridgehead substitution and photochemical [1,3] acyl migration of a bicyclo[3.2.2]non-6-en-2-one system. *Journal of Organic Chemistry*, **1988**, 53, 3669-3673 4.2 18
- 318 Concerning reversal of diastereoselectivity in the BF₃ promoted addition of crotyl β -organometallic compounds to aldehydes. *Journal of Organometallic Chemistry*, **1985**, 284, C45-C48 2.3 18
- 317 9-BBN [9-borabicyclo[3.3.1]nonane] ate complexes as a new type of reducing agent for the selective reduction of tertiary alkyl, benzyl, and allyl halides to hydrocarbons. *Journal of the American Chemical Society*, **1975**, 97, 2558-2559 16.4 18

316	Thieno[2,3-a]carbazole-based donor-acceptor organic dyes for efficient dye-sensitized solar cells. <i>Tetrahedron</i> , 2014 , 70, 6211-6216	2.4	17
315	Transmission of 9.5 Tbps 138 Gb/s Prefiltered PM-8QAM Signals Over 4000 km of Pure Silica-Core Fiber. <i>Journal of Lightwave Technology</i> , 2011 , 29, 2310-2318	4	17
314	A Chemical Scale for Evaluating the Electron Transfer Ability of Alkylcopper Reagents. <i>Bulletin of the Chemical Society of Japan</i> , 1997 , 70, 1953-1959	5.1	17
313	Palladium-catalyzed hydrocarbonation of methyleneaziridines with carbon pronucleophiles. <i>Tetrahedron Letters</i> , 2002 , 43, 9625-9628	2	17
312	1,2-Asymmetric Induction in the Conjugate Addition of Organocopper Reagents to α,β -Unsaturated Carbonyl Derivatives. <i>Tetrahedron</i> , 2000 , 56, 2821-2831	2.4	17
311	A one-pot aza-Payne rearrangement-epoxide ring opening reaction of 2-aziridinemethanols: A regio- and stereoselective synthetic route to diastereomerically pure 1,2-amino alcohols. <i>Tetrahedron Letters</i> , 1995 , 36, 6247-6250	2	17
310	Tetrabutylammonium Fluoride Promoted Regiospecific Reactions of Trimethylsilyl-o-Carborane with Aldehydes. <i>Chemistry Letters</i> , 1996 , 25, 791-792	1.7	17
309	The first alkylation of o-carboranes under essentially neutral conditions. Application to the synthesis of boron-10 carriers. <i>Journal of Organic Chemistry</i> , 1990 , 55, 6065-6066	4.2	17
308	Do the organocopper conjugate additions to α,β -unsaturated esters proceed in a 1,4- or 1,2-fashion?. <i>Journal of the American Chemical Society</i> , 1987 , 109, 5820-5822	16.4	17
307	Synthesis of Disubstituted Benzoquinones by the Photochemical Reaction of Acetylenes with $\text{Fe}(\text{CO})_5$. <i>Bulletin of the Chemical Society of Japan</i> , 1979 , 52, 1877-1878	5.1	17
306	Synthesis of 1,3,5-Trisubstituted Pyrazoles by the Cope-Type Hydroamination of 1,3-Dialkynes with Alkylhydrazines. <i>Synthesis</i> , 2014 , 46, 2422-2429	2.9	16
305	Palladium catalyzed addition of carbon pronucleophiles to conjugated enynes. <i>Tetrahedron</i> , 1997 , 53, 9097-9106	2.4	16
304	Total synthesis of (+)-desoxoprosopinine via the intramolecular reaction of β -aminoallylstannane. <i>Tetrahedron Letters</i> , 1997 , 38, 7469-7470	2	16
303	Thermally Induced [2+2] Cycloadditions of (Benzyloxymethylene)cyclopropane with Alkylidenemalononitriles. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 4479-4482	3.2	16
302	$\text{Me}_2\text{CuLi-TMSCl}$ in CH_2Cl_2 —The most powerful methylating agent for sterically congested β,β -enoates. <i>Tetrahedron Letters</i> , 2003 , 44, 4265-4266	2	16
301	Synthetic studies towards gambierol. Part 1: Synthesis of the AB ring segment. <i>Tetrahedron Letters</i> , 2001 , 42, 6195-6197	2	16
300	In vivo evaluation of carborane gadolinium-DTPA complex as an MR imaging boron carrier. <i>Chemical and Pharmaceutical Bulletin</i> , 2000 , 48, 1034-8	1.9	16
299	Tetrazole synthesis via the palladium-catalyzed three component coupling reaction. <i>Molecular Diversity</i> , 2003 , 6, 181-92	3.1	16

- 298 Synthetic utility of o-carborane: novel protective group for aldehydes and ketones. *Journal of Organometallic Chemistry*, **1999**, 574, 107-115 2.3 16
- 297 Diastereo- and Enantioselective Synthesis of beta-Amino Cyclic Ethers via the Intramolecular Reaction of gamma-Alkoxyallylstannane with Imine. *Journal of Organic Chemistry*, **1999**, 64, 4901-4908 4.2 16
- 296 Highly stereodivergent generation of the Z- and E-enolates of a beta-amino ester via conjugate addition to methyl crotonate by using lithium N-benzyltrimethylsilylamide as a nitrogen nucleophile, and application to stereoselective aldol reactions. *Journal of the Chemical Society Chemical Communications*, **1989**, 753-754 16
- 295 Regioselective synthesis of either beta- or gamma-amino acid derivatives via Li, Sn-masked, and/or Ge-masked dienolates. *Tetrahedron Letters*, **1989**, 30, 3445-3448 2 16
- 294 Anti-Cram selective reduction of acyclic ketones via electron transfer initiated processes. *Journal of the American Chemical Society*, **1988**, 110, 4475-4476 16.4 16
- 293 Diastereoselective reactions of pyruvates with but-2-enyl organometallic compounds. Stereocontrol at the tertiary carbon centre. *Journal of the Chemical Society Chemical Communications*, **1983**, 191 16
- 292 Selective synthesis of either branched or linear homoallyl alcohols via the reaction of aldehydes with the allylic borane-selenium system. *Journal of Organic Chemistry*, **1983**, 48, 5408-5409 4.2 16
- 291 Selective reduction of tertiary alkyl, benzyl, and allyl halides to hydrocarbons using lithium 9,9-di-n-butyl-9-borabicyclo[3.3.1]nonane. *Tetrahedron*, **1981**, 37, 2261-2267 2.4 16
- 290 Catalytic Performance of Nanoporous Metal Skeleton Catalysts for Molecular Transformations. *ChemSusChem*, **2019**, 12, 2936-2954 8.3 16
- 289 Rhodium(iii)-catalyzed aromatic C-H cyanation with dimethylmalononitrile as a cyanating agent. *Chemical Communications*, **2019**, 55, 1209-1212 5.8 15
- 288 Applications of Metal Nanopore Catalysts in Organic Synthesis. *Synlett*, **2015**, 26, 2355-2380 2.2 15
- 287 Palladium catalyzed 1,8-conjugate addition to heptafulvene via bis-allyl palladium complexes. *Organic Letters*, **2011**, 13, 4984-7 6.2 15
- 286 Synthesis and in Vitro Evaluation of 5-closo- and 5-nido-Orthocarboranyluridines as Boron Carriers. *Bulletin of the Chemical Society of Japan*, **1997**, 70, 3103-3110 5.1 15
- 285 Beta-alkyl-alpha-allylation of Michael acceptors through the palladium-catalyzed three-component coupling between allylic substrates, trialkylboranes, and activated olefins. *Journal of Organic Chemistry*, **2006**, 71, 2503-6 4.2 15
- 284 Catalytic and highly regiospecific carbon-carbon bond formation at alpha-position of Michael acceptor by palladium complex. *Chemical Communications*, **2002**, 852-3 5.8 15
- 283 HI-Mediated Cyclization of o-Alkynylstyrenes. *Chemistry Letters*, **2000**, 29, 722-723 1.7 15
- 282 Bu₄NF-Acid combination as a novel class of mild and selective deprotecting reagents for enol ethers. *Tetrahedron Letters*, **1995**, 36, 7765-7766 2 15
- 281 An unusual thermodynamic preference of chiral N-arylsulfonyl cis-3-alkyl-2-vinylaziridines over their trans-isomers: palladium(0)-catalysed equilibration reactions. *Chemical Communications*, **1996**, 351 5.8 15

280	Palladium catalysed addition of 1-carboranyltributyltin to aldehydes. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 2581		15
279	Cleavage of esters under nearly neutral conditions at high pressure. Chemo- and regioselective hydrolysis in organic solvents. <i>Journal of Organic Chemistry</i> , 1991 , 56, 5737-5738	4.2	15
278	Diastereo- and regio-selective aldol condensation by trapping dienolates with tin. <i>Journal of the Chemical Society Chemical Communications</i> , 1987 , 561		15
277	New stereoselective synthesis of 20S and 20R steroidal side chains. Remarkable stereoselectivity differences between saturated and .alpha.,.beta.-unsaturated steroidal esters. <i>Journal of Organic Chemistry</i> , 1988 , 53, 3947-3952	4.2	15
276	The threo-selective reaction of allenic organometallic compounds with imines. <i>Journal of the Chemical Society Chemical Communications</i> , 1984 , 1004		15
275	Threo-selective aldol condensations of lithium enolates in the presence of trialkylboranes. <i>Tetrahedron Letters</i> , 1982 , 23, 2387-2390	2	15
274	Interweaving Visible-Light and Iron Catalysis for Nitrene Formation and Transformation with Dioxazolones. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16426-16435	16.4	15
273	Nanoporous Gold-Catalyzed Diboration of Methylenecyclopropanes via a Distal Bond Cleavage. <i>ACS Catalysis</i> , 2018 , 8, 5901-5906	13.1	15
272	Carboxylative coupling reaction of five-membered (chloromethyl)heteroarenes with allyltributylstannane catalyzed by palladium nanoparticles. <i>Tetrahedron Letters</i> , 2015 , 56, 6747-6750	2	14
271	Benzannulation from alkyne without metallic catalysts at room temperature to 100 degrees C. <i>Organic Letters</i> , 2010 , 12, 388-90	6.2	14
270	Palladium-catalyzed reductive ring opening with formic acid of aziridines bearing an β,β -unsaturated ester group. <i>Tetrahedron</i> , 1997 , 53, 12933-12946	2.4	14
269	A Novel [3+2] Annulation between ortho-Carboranyltrimethylsilane and Conjugated Carbonyl Compounds. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 367-369		14
268	Carbocycle Synthesis through Facile and Efficient Palladium-Catalyzed Allylative De-aromatization of Naphthalene and Phenanthrene Allyl Chlorides. <i>Angewandte Chemie</i> , 2008 , 120, 4438-4441	3.6	14
267	A New Pd ⁰ /Cu Bimetallic Catalyst for the Synthesis of Indoles from Isocyanates and Allyl Carbonates. <i>Angewandte Chemie</i> , 2002 , 114, 3364-3367	3.6	14
266	Nucleophilic Allylation-Heterocyclization via Bis-Allylpalladium Complexes: Synthesis of Five- and Six-Membered Heterocycles. <i>Chemistry Letters</i> , 2002 , 31, 158-159	1.7	14
265	Platinum(0) Enyne Complexes: The Platinum Analogue of an Intermediate in the Palladium(0)-Catalyzed Benzannulation of Conjugated Enynes. <i>Organometallics</i> , 2000 , 19, 3740-3743	3.8	14
264	Enhanced reactivity of electron-deficient enynes in the palladium-catalyzed homo-benzannulation of conjugated enynes. <i>Journal of Organic Chemistry</i> , 2000 , 65, 5350-4	4.2	14
263	Facile reaction of o-carboranyl lithium reagents with functionalized alkyl halides. <i>Tetrahedron Letters</i> , 1996 , 37, 3383-3386	2	14

- 262 A regio-, (E)-stereo-, and chemo-selective synthesis of unsymmetrical divinylmethanols starting from L- and D-tartrates via organocyanocopper Lewis acid mediated 1,3-chirality transfer. *Journal of the Chemical Society Chemical Communications*, **1989**, 967 14
- 261 Heteroatom-stabilized Allylic Anions **1991**, 55-79 14
- 260 Carbon-carbon bond formation at the β -position of dienolates via the germanium masked dienolates. *Journal of the Chemical Society Chemical Communications*, **1988**, 1639-1640 14
- 259 Differences in the reaction of electron deficient olefins with organocopper(I)-Lewis acid reagents and evidence for a dianionic equivalent. *Journal of Organometallic Chemistry*, **1985**, 287, c18-c22 2:3 14
- 258 Stereocontrol using a heterosubstituted allylic carbanion. Regio- and stereo-selective reactions of trimethylsilyl allylic carbanions with aldehydes. *Journal of the Chemical Society Chemical Communications*, **1982**, 1326b 14
- 257 Palladium-Catalyzed sp-sp Coupling of Chloromethylarenes with Allyltrimethoxysilane: Synthesis of Allyl Arenes. *Journal of Organic Chemistry*, **2017**, 82, 5974-5980 4:2 13
- 256 Efficient palladium-catalyzed cyanation of aryl/heteroaryl bromides with $K_4[Fe(CN)_6]$ in t-BuOH:H₂O using tris(2-morpholinophenyl)phosphine as a ligand. *RSC Advances*, **2013**, 3, 20379 3:7 13
- 255 A convergent approach to the formal total synthesis of hemibrevetoxin B. *Tetrahedron Letters*, **2007**, 48, 219-221 2 13
- 254 A cross-metathesis approach to the stereocontrolled synthesis of the AB ring segment of ciguatoxin. *Tetrahedron Letters*, **2008**, 49, 3643-3647 2 13
- 253 Relative stabilities of some synthetically useful 2,3-cis-disubstituted aziridines and their 2,3-trans isomers. *Journal of Organic Chemistry*, **2002**, 67, 5796-801 4:2 13
- 252 Synthesis of (E)-1,2-divinyl-1,2-diethynylethene (DVDEE) via the palladium-catalyzed reaction of conjugated diynes. A new building block for molecular scaffolding. *Journal of the American Chemical Society*, **2002**, 124, 924-5 16:4 13
- 251 Inter- and intramolecular palladium-catalyzed hydrocarbonation of methylenecyclopropanes with carbon pronucleophiles. *Tetrahedron*, **1999**, 55, 8833-8844 2:4 13
- 250 A thermodynamic preference of chiral cis- β -epimino-(E)- β , γ -unsaturated esters over other stereoisomers: Synthetically useful Pd(0)-catalyzed equilibrated reactions of aziridines bearing an β , γ -unsaturated ester group. *Tetrahedron Letters*, **1996**, 37, 2849-2852 2 13
- 249 Asymmetric synthesis of the β -lactam framework via a three-component coupling reaction. *Journal of the Chemical Society Chemical Communications*, **1993**, 1660-1662 13
- 248 Palladium catalysed addition of masked formyl cyanides $ROCH(CN)_2$ to aldehydes. *Journal of the Chemical Society Chemical Communications*, **1994**, 1665 13
- 247 New Aspects of Organocopper Reagents: 1,3- and 1,2-Chiral Induction and Reaction Mechanism. *Synlett*, **1992**, 1992, 769-777 2:2 13
- 246 A multistep rearrangement from 2,2-disubstituted-1,3-cyclohexanediones to 3-substituted 2-cyclohexenones via phosphonate anions and its application to a formal synthesis of (+,-)- α -acoradiene. *Journal of Organic Chemistry*, **1990**, 55, 3971-3972 4:2 13
- 245 Ready coupling of acid chlorides with tetra-alkyl-lead derivatives catalysed by palladium. *Journal of the Chemical Society Chemical Communications*, **1987**, 1302 13

- 244 Synergistic effect of multichiral centres. Chelation control vs. acetal template in 1,3-asymmetric induction. *Journal of the Chemical Society Chemical Communications*, **1987**, 1218 13
- 243 Remote chirality control in 1,2-asymmetric induction: a remarkable difference between the meso- and (E)-isomers of dimethylglutaric hemialdehyde. *Journal of the Chemical Society Chemical Communications*, **1985**, 1429-1431 13
- 242 RhCl₃-catalysed amide bond formation under mild conditions. *Journal of the Chemical Society Chemical Communications*, **1980**, 835 13
- 241 Rearrangement of .alpha.-bromoethyldiethylborane induced by nucleophilic reagents. Unusually facile rearrangement applicable to the synthesis of carbon structures. *Journal of the American Chemical Society*, **1971**, 93, 2796-2798 16.4 13
- 240 Transition-Metal-Free Decarboxylative Arylation of 2-Picolinic Acids with Arenes under Air Conditions. *Organic Letters*, **2018**, 20, 7095-7099 6.2 13
- 239 Selective synthesis of β -lactone via palladium nanoparticles-catalyzed telomerization of CO₂ with 1,3-butadiene. *Tetrahedron Letters*, **2016**, 57, 3163-3166 2 12
- 238 Biphenyl end-capped bithiazole co-oligomers for high performance organic thin film field effect transistors. *Chemical Communications*, **2016**, 52, 4926-9 5.8 12
- 237 Carbonylative Stille coupling reactions of benzyl chlorides with allyltributylstannane catalyzed by palladium nanoparticles. *Tetrahedron*, **2014**, 70, 7166-7171 2.4 12
- 236 Synthesis of allylated quinolines/isoquinolines via palladium-catalyzed cyclization-allylation of azides and allyl methyl carbonate. *Organic and Biomolecular Chemistry*, **2015**, 13, 3227-35 3.9 12
- 235 Thieno[2,3-a]carbazole donor-based organic dyes for high efficiency dye-sensitized solar cells. *Organic Chemistry Frontiers*, **2015**, 2, 253-258 5.2 12
- 234 Solvent-controlled stereoselective formation of a cyclic ether in the lewis acid-mediated allylation of an alpha-chloroacetoxy acyclic ether. Very high stereoselectivity in CH₃CN vs low stereoselectivity in CH₂Cl₂. *Journal of Organic Chemistry*, **2007**, 72, 8371-5 4.2 12
- 233 Palladium catalyzed three component coupling reaction between chromones, alcohols, and allylic acetates: diversity-oriented synthesis of highly substituted chromones. *Tetrahedron*, **2007**, 63, 5954-5961 1.4 12
- 232 Thermally Induced and Silver-Salt-Catalyzed [2+2] Cycloadditions of Imines to (Alkoxyethylene)cyclopropanes. *Angewandte Chemie*, **2006**, 118, 5300-5303 3.6 12
- 231 Gold-Catalyzed Intermolecular Hydroamination of Allenes: First Example of the Use of an Aliphatic Amine in Hydroamination. *Synlett*, **2007**, 2007, 1767-1770 2.2 12
- 230 Chelation-controlled chemoselective ring openings of epoxides. *Tetrahedron Letters*, **2001**, 42, 7903-7905 12
- 229 Synthetic studies towards gambierol. Part 2: Synthesis of the EFGH ring segment. *Tetrahedron Letters*, **2001**, 42, 6199-6202 2 12
- 228 Novel [3+2] Cycloaddition of Alkylidenecyclopropanes with Aldehydes Catalyzed by Palladium. *Angewandte Chemie*, **2001**, 113, 1338-1340 3.6 12
- 227 Palladiumkatalysierte Hydroalkoxylierung von Methylencyclopropanen. *Angewandte Chemie*, **1999**, 111, 3576-3578 3.6 12

- 226 Synthesis and biological properties of carboranylaziridines bearing cascade polyols. *Bioorganic and Medicinal Chemistry Letters*, **1996**, 6, 9-12 2.9 12
- 225 Total synthesis of (E)-nakafuran-8, a marine metabolite with antifeedant properties, based on formal bridgehead substitution of a bicyclo[2.2.2]oct-5-en-2-one system. *Journal of the Chemical Society Chemical Communications*, **1989**, 1841-1842 12
- 224 A conformationally rigid acyclic molecule. *Journal of the American Chemical Society*, **1990**, 112, 8598-8599 16.4 12
- 223 Reduction-alkylation with organocopper(I) reagents-alkyl halides : Highly regioselective .ALPHA.-alkylation of .GAMMA.-acetoxy-.ALPHA.,.BETA.-enoates with lithium dibutylcuprate-alkyl halides and difference in the reactivity of electron-deficient olefins with organocopper(I)-Lewis acid reagents. *Chemical and Pharmaceutical Bulletin*, **1986**, 34, 2417-2427 1.9 12
- 222 PHOTOISOMERIZATION OF NORBORNADIENE TO QUADRICYCLANE IN THE PRESENCE OF COPPER(I)-NITROGEN LIGAND CATALYSTS. *Chemistry Letters*, **1980**, 9, 1259-1262 1.7 12
- 221 Direct alkylation of allylic alcohols with allylic rearrangement using a new alkylating reagent, RCu: BF₃. *Journal of Organometallic Chemistry*, **1978**, 156, C9-C11 2.3 12
- 220 Novel reaction of ethyl diazoacetate with allylnickel bromide. *Challenge*, **1969**, 1457-1458 0.8 12
- 219 Direct Carbohydroxylation of Arylalkenes with Allylic Alcohols: Cooperative Catalysis of Copper, Silver, and a Brønsted Acid. *Angewandte Chemie - International Edition*, **2019**, 58, 2495-2499 16.4 12
- 218 Copper(II)-Catalyzed and Chelation-Induced Remote C-H Halogenation of Quinolines under Neutral Conditions. *ChemistrySelect*, **2017**, 2, 3414-3418 1.8 11
- 217 NBS-promoted oxidation of fullerene monoradicals leading to regioselective 1,4-difunctional fullerenes. *Chemical Communications*, **2014**, 50, 15730-2 5.8 11
- 216 Functional 2-benzyl-1,2-dihydro[60]fullerenes as acceptors for organic photovoltaics: facile synthesis and high photovoltaic performances. *Tetrahedron*, **2013**, 69, 1302-1306 2.4 11
- 215 Asymmetric synthesis of amino cyclic ethers via the intramolecular reaction of alkoxyallylstannane with chiral imine. *Tetrahedron Letters*, **1998**, 39, 1791-1794 2 11
- 214 Silver-Catalyzed Synthesis of 1,2-Dihydroisoquinolines through Direct Addition of Carbon Pronucleophiles to ortho-Alkynylaryl Aldimines. *Heterocycles*, **2008**, 76, 471 0.8 11
- 213 Palladium-Catalyzed Cascade Reactions of Highly Activated Olefins. *Synlett*, **2007**, 2007, 1994-2005 2.2 11
- 212 Improved synthesis of the A-G ring segment of brevetoxin B. *Journal of Organic Chemistry*, **2006**, 71, 4183-4187 3.7 11
- 211 Synthesis and biological evaluation of benzamides and benzamidines: structural requirement of a pyrimidine ring for inhibition of EGFR tyrosine kinase. *Bioorganic and Medicinal Chemistry Letters*, **2004**, 14, 2299-302 2.9 11
- 210 Indenol Ether Formation from Aryl Alkynes Bearing ortho-Acetals: An Unprecedented Rearrangement in Palladium-Catalyzed Carboalkoxylation. *Angewandte Chemie*, **2002**, 114, 4504-4507 3.6 11
- 209 A simple and practical method for the stereoselective synthesis of (Z)-1-iodo-1-alkenes from 1,1-diiodo-1-alkenes. *Tetrahedron Letters*, **2003**, 44, 8645-8647 2 11

208	Synthesis of organosilicon polymers by using the Lewis-acid-catalyzed trans-allylsilylation of alkynes. <i>Tetrahedron Letters</i> , 2005 , 46, 27-30	2	11
207	Novel route to the synthesis of hydroxylated piperidine and pyrrolidine derivatives via the intramolecular reaction of β -aminoallylstannane with aldehyde. <i>Tetrahedron Letters</i> , 1996 , 37, 2109-2112 ²		11
206	Intramolecular reaction of oxo-substituted allenyl- and propargylstannane with aldehyde. <i>Tetrahedron Letters</i> , 1996 , 37, 3059-3062	2	11
205	Synthesis and in vitro evaluation of sugar-modified carboranyluridines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996 , 6, 1855-1858	2.9	11
204	A New Water-soluble p-Boronophenylalanine Derivative for Neutron Capture Therapy. <i>Chemistry Letters</i> , 1993 , 22, 465-468	1.7	11
203	Asymmetric Synthesis of a β -Lactam Framework via the Conjugate Addition of Amidocuprates(I) to Chiral Enoates. <i>Bulletin of the Chemical Society of Japan</i> , 1995 , 68, 2103-2111	5.1	11
202	Higher order zinc cuprates involving lithium chloride: Synthesis of (E)-alkene dipeptide isosteres free from reductive elimination products. <i>Tetrahedron Letters</i> , 1992 , 33, 3783-3786	2	11
201	Stereocontrol of three contiguous chiral centers of brassinosteroid side chain by using α -alkoxy organoleads. <i>Journal of Organic Chemistry</i> , 1992 , 57, 2981-2982	4.2	11
200	Rearrangement approaches to cyclic skeletons. V.. <i>Tetrahedron</i> , 1987 , 43, 5605-5620	2.4	11
199	Regiocontrolled head-to-tail coupling of alkylthioallyl carbanions with allylic halides via lithium alkylthioallyl borates. <i>Journal of the Chemical Society Chemical Communications</i> , 1979 , 157		11
198	REGIOSELECTIVE CARBON-CARBON BOND FORMATION AT THE β -POSITION OF A SULFUR STABILIZED ALLYL CARBANION VIA AN ALKYLTHIOALLYLBORONATE COMPLEX. <i>Chemistry Letters</i> , 1979 , 8, 385-386	1.7	11
197	HIGHLY EFFICIENT VALENCE ISOMERIZATION BETWEEN NORBORNADIENE AND QUADRICYCLANE DERIVATIVES UNDER SUNLIGHT. <i>Chemistry Letters</i> , 1981 , 10, 839-842	1.7	11
196	Synthesis of 5H-Dibenzo[c,e]azepine-5,7(6H)-diones from Benzamides via Palladium-Catalyzed Double C-H Bond Activation. <i>Journal of Organic Chemistry</i> , 2017 , 82, 2288-2293	4.2	10
195	Facile and efficient synthesis of indazole derivatives by 1,3-cycloaddition of arynes with diazo compounds and azomethine imides. <i>Collection of Czechoslovak Chemical Communications</i> , 2009 , 74, 957-972		10
194	Palladium-Catalyzed Bis-Functionalization of Isatylidenes: A Facile Route towards Spiro-Indol-2-ones. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 5489-5497	3.2	10
193	Cyanamide Synthesis by the Palladium-Catalyzed Cleavage of a Si-N Bond. <i>Angewandte Chemie</i> , 2002 , 114, 1858-1860	3.6	10
192	Ein neuer Weg zu diastereomerenreinen (E)-Alken-Dipeptidisosteren ausgehend von β -Aziridinyl- β -Enoaten durch Umsetzung mit Organokupfer-Reagentien. <i>Angewandte Chemie</i> , 1994 , 106, 693-695	3.6	10
191	Remarkable difference in reactivity of ordinary vinylcopper reagents and vinylzinc halide containing a copper salt towards β -mesyloxy- β -Enoates. Synthesis of homochiral 1,4-dienes. <i>Tetrahedron</i> , 1993 , 49, 9479-9488	2.4	10

- 190 Determination of absolute configuration of the alkyl group at the β -position in the acyclic β -alkyl-(E)- α -enoates by circular dichroism. *Tetrahedron: Asymmetry*, **1990**, 1, 389-394 10
- 189 Enhancement of threo-selectivity in the reaction of but-2-enyl-lithium with aldehydes via allylic boronate complexes. *Journal of the Chemical Society Chemical Communications*, **1980**, 1072 10
- 188 Reaction of Organoboranes with Lithium Aldimines. A New Procedure for the Synthesis of Unsymmetrical Ketones. *Bulletin of the Chemical Society of Japan*, **1975**, 48, 3682-3685 5.1 10
- 187 Reaction of organoboranes with lithium aldimines. New approach for the synthesis of partially mixed trialkylcarbinols. *Journal of Organic Chemistry*, **1975**, 40, 3644-3646 4.2 10
- 186 Stereoselective Synthesis of Vinyl Iodides through Copper(I)-Catalyzed Finkelstein-Type Halide-Exchange Reaction. *Synthesis*, **2017**, 49, 2727-2732 2.9 9
- 185 Synthesis and Properties of Dicyanomethylene-Endcapped Thienopyrrole-Based Quinoidal S,N-Heteroacenes. *Bulletin of the Chemical Society of Japan*, **2017**, 90, 789-797 5.1 9
- 184 Simple indoline based donor-acceptor dye for high efficiency dye-sensitized solar cells. *Materials Chemistry and Physics*, **2013**, 142, 82-86 4.4 9
- 183 Deuterium isotope effect on bulk heterojunction solar cells. Enhancement of organic photovoltaic performances using monobenzyl substituted deuteriofullerene acceptors. *Organic Letters*, **2013**, 15, 5674-7 6.2 9
- 182 OSNR-Enhancing Pure-Silica-Core Fiber with Large Effective Area and Low Attenuation **2010**, 9
- 181 Stereocontrolled synthesis of the IJK ring segment of yessotoxin. *Tetrahedron Letters*, **2006**, 47, 6545-6548 9
- 180 Palladium-Catalyzed Carbon Skeletal Rearrangements: Cope, Claisen, and Other [3,3] Rearrangements 2919-2934
- 179 Palladium catalysed direct allylation of pronucleophiles with allylstannanes. *Journal of the Chemical Society Chemical Communications*, **1995**, 2013 9
- 178 Rearrangement Approaches to Cyclic Skeletons. X. Pinacol-Type Rearrangement of 2-Substituted 1-Methoxybicyclo[2.2.2]oct-5-en-2-ols into Bicyclo[3.2.1]oct-6-en-2-ones. Remarkable Substituent Effects on Predominant Migration of the Unsaturated Bridge. *Bulletin of the Chemical Society of Japan*, **1996**, 69, 1727-1735 5.1 9
- 177 STEREOCONTROLLED SYNTHESIS OF THE 6-7-7-6 RING SYSTEM OF POLYCYCLIC ETHERS VIA THE INTRAMOLECULAR REACTION WITH β -TRIBUTYLSTANNYL ETHER ALDEHYDES. *Main Group Metal Chemistry*, **1994**, 17, 1.6 9
- 176 Highly stereocontrolled and concise asymmetric synthesis of the β -lactam framework via a TCC method. *Tetrahedron Letters*, **1994**, 35, 8425-8428 2 9
- 175 Triethylgallium Mediated Lactamization of β , γ -Amino Carboxylic Acids. *Chemistry Letters*, **1989**, 18, 797-800 9
- 174 Copper azide as a new reagent for syn-SN2 displacement of γ -sulfonyloxy- α , β -unsaturated esters. *Journal of Organic Chemistry*, **1990**, 55, 5303-5304 4.2 9
- 173 The threo-selective reaction of but-2-enyl organometallic compounds with ethylidenemalonates and related compounds. *Journal of the Chemical Society Chemical Communications*, **1985**, 386 9

172	A Strategy for Amide C-N Bond Activation with Ruthenium Catalyst: Selective Aromatic Acylation. <i>Organic Letters</i> , 2021 , 23, 2521-2526	6.2	9
171	Unsupported nanoporous palladium-catalyzed chemoselective hydrogenation of quinolines: Heterolytic cleavage of H ₂ molecule. <i>Chinese Journal of Catalysis</i> , 2018 , 39, 1746-1752	11.3	9
170	Comparative Study of Single and Dual Gain-Narrowed Emission in Thiophene/Furan/Phenylene Co-Oligomer Single Crystals. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 2364-2368	3.8	8
169	Unsupported Nanoporous Gold-Catalyzed Chemoselective Reduction of α,β -Unsaturated Aldehydes Using Formic Acid as Hydrogen Source. <i>Asian Journal of Organic Chemistry</i> , 2017 , 6, 867-872	3	8
168	Copper-catalyzed conversion of aryl and heteroaryl bromides into the corresponding iodide. <i>Catalysis Today</i> , 2016 , 274, 129-132	5.3	8
167	Gold-catalyzed alkylation of silyl enol ethers with ortho-alkynylbenzoic acid esters. <i>Beilstein Journal of Organic Chemistry</i> , 2011 , 7, 648-52	2.5	8
166	Lewis acid promoted highly diastereoselective desymmetric intramolecular cyclization of allylstannane with a diketone. <i>Tetrahedron Letters</i> , 1998 , 39, 471-474	2	8
165	Palladium(0)-catalyzed cross-benzannulation between conjugated enynes. reactivity-controlled synthesis of multifunctionalized benzenes. <i>Organic Letters</i> , 2000 , 2, 3853-5	6.2	8
164	Intramolecular reaction of β -alkoxyallylstannane with hydrazone: stereoselective synthesis of β -aminotetrahydro-pyran and-furan. <i>Chemical Communications</i> , 1996 , 841-842	5.8	8
163	Asymmetric synthesis of β -alkoxycyclic ethers via the intramolecular cyclization of group 14 allyls containing chiral acetals. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 1953-1954		8
162	Synthesis of a non-symmetric azodicarbonyl compound and its regioselective reaction with organometallic reagents. <i>Tetrahedron Letters</i> , 1991 , 32, 3079-3082	2	8
161	Regiocontrolled conjugate addition of germanium-masked dienolates to michael acceptors. <i>Tetrahedron Letters</i> , 1991 , 32, 4749-4752	2	8
160	Rearrangement approaches to cyclic skeletons. Part 8. Total synthesis of (β)-nakaifuran-8, a marine metabolite with antifeedant properties, on the basis of bridgehead substitution of a bicyclo[2.2.2]oct-5-en-2-one system. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1992 , 1785-1788		8
159	Enantiodivergent synthesis of steroidal side chains. Stereocontrol via SN1 vs. SN2 type cleavage of acetal templates. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1991 , 3253		8
158	The first synthesis of (β)-3 β -acetoxy-15 β hydroxy-7,16-seco-trinervita-7,11-diene, defense substance from a termite soldier. <i>Tetrahedron Letters</i> , 1987 , 28, 1439-1442	2	8
157	Aldol condensation via germanium enolates. Stereoselection dictated by the co-presence of lithium halides. <i>Journal of the Chemical Society Chemical Communications</i> , 1988 , 802		8
156	Addition of 2-Oxazolidinones to Arylidene cyclopropanes: A Highly Efficient Method for the Preparation of gem-Aryl Disubstituted Homoallylic Oxazolidinones. <i>Heterocycles</i> , 2005 , 66, 333	0.8	8
155	Benzyl Palladium Intermediates: Unique and Versatile Reactive Intermediates for Aromatic Functionalization. <i>Advanced Synthesis and Catalysis</i> , 2021 , 363, 587-601	5.6	8

154	Metal-Free Decarboxylative Alkoxylation of 2-Picolinic Acid and Its Derivatives with Cyclic Ethers: One Step Construction of C-O and C-Cl Bonds. <i>Organic Letters</i> , 2018 , 20, 6780-6784	6.2	8
153	Pd-Catalyzed cascade cyclization of o-alkynylanilines via C-H/C-N bond cleavage leading to dibenzo[a,c]carbazoles. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 5236-5240	3.9	8
152	Carboxylative Coupling of Chloromethyl(hetero)arenes with Allyltrimethoxysilane Catalyzed by Palladium Nanoparticles. <i>Asian Journal of Organic Chemistry</i> , 2017 , 6, 177-183	3	7
151	Transition-metal-free decarboxylative halogenation of 2-picolinic acids with dihalomethane under oxygen conditions. <i>Green Chemistry</i> , 2019 , 21, 5565-5570	10	7
150	Efficient thieno[3,2-a]carbazole-based organic dyes for dye-sensitized solar cells. <i>Tetrahedron</i> , 2015 , 71, 6534-6540	2.4	7
149	Highly Stereocontrolled Formal Total Synthesis of Hemibrevetoxin B. <i>Bulletin Des Sociétés Chimiques Belges</i> , 2010 , 103, 619-628		7
148	Reduction of Carbonyl Function to a Methyl Group. <i>Synthesis</i> , 2004 , 2004, 308-311	2.9	7
147	An Improved Catalytic System, Pd(PPh ₃) ₄ /PhCOOH Combined Catalyst, for the Allylation of Carbon Pronucleophiles with Allenes. <i>Synthesis</i> , 2004 , 2004, 2186-2190	2.9	7
146	Palladium-Catalyzed Benzannulation of Conjugated Enynes in Fluorous Biphasic System. <i>Chemistry Letters</i> , 2001 , 30, 444-445	1.7	7
145	Chelation control through the coordination of an olefinic bond to Lewis acid. <i>Tetrahedron Letters</i> , 2000 , 41, 9533-9536	2	7
144	Preparation of functionalized metacyclophanes by intramolecular benzannulation of bisenynes. <i>Tetrahedron Letters</i> , 2000 , 41, 4201-4204	2	7
143	5(N-Methylbenzoylamino)-2, 2, 6, 6-tetramethylheptan-3-ol as a new class of recoverable chiral auxiliary. <i>Tetrahedron Letters</i> , 1996 , 37, 1863-1866	2	7
142	Reaction of Bis(trans-1-hexenyl)methylborane with Two Molar Equivalents of Methylcopper(I). Evidence for the Presence of trans-1-Hexenylcopper(I) as an Intermediate. <i>Bulletin of the Chemical Society of Japan</i> , 1977 , 50, 3427-3428	5.1	7
141	Light-induced reaction of boracyclanes with bromine in the presence of water. Ring contraction of boracyclanes to produce carbocyclic structures. <i>Journal of the Chemical Society Chemical Communications</i> , 1973 , 801		7
140	Rhodium-Catalyzed Oxidative Benzannulation of N-Pivaloylanilines with Internal Alkynes through Dual C-H Bond Activation: Synthesis of Highly Substituted Naphthalenes. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 3241-3250	4.5	7
139	1-Naphthol Synthesis through Base-Promoted S _N Ar Reactions of ortho-Haloacetophenones Followed by Lewis-Acid-Catalyzed Cyclization. <i>Asian Journal of Organic Chemistry</i> , 2016 , 5, 699-704	3	6
138	Heterogeneous Catalytic Reduction of Tertiary Amides with Hydrosilanes Using Unsupported Nanoporous Gold Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 4817-4824	5.6	6
137	Palladium-catalyzed bisfunctionalization of active alkenes by acetonitrile-allyl addition: application to the synthesis of unsymmetric 1,4-di(organo)fullerene derivatives. <i>Tetrahedron Letters</i> , 2012 , 53, 1210-1213	2	6

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| 136 | Palladium-catalyzed three-component [3 + 2] cycloaddition of propargyl trifluoroacetates, ethylidene malononitriles, and allyltributylstannane. <i>Organic Letters</i> , 2010 , 12, 864-6 | 6.2 | 6 |
| 135 | Zinc cyanide mediated direct β -cyanation of isonicotinic acid N-oxide. Application to the synthesis of FYX-051, a xanthine oxidoreductase inhibitor. <i>Tetrahedron Letters</i> , 2008 , 49, 4369-4371 | 2 | 6 |
| 134 | Convergent synthesis of the F β ring segment of brevetoxin B. <i>Tetrahedron Letters</i> , 2003 , 44, 7929-7932 | 2 | 6 |
| 133 | β -Chelation controlled chemoselective conjugate addition of lithium dimethylcuprate. <i>Tetrahedron Letters</i> , 2003 , 44, 1803-1805 | 2 | 6 |
| 132 | Platinum-catalyzed Tandem Carboalkoxylation-Claisen Rearrangement of Arylalkynes Bearing an ortho-1,5-Dihydro-3H-2,4-dioxepine Group. <i>Chemistry Letters</i> , 2005 , 34, 174-175 | 1.7 | 6 |
| 131 | Lewis Acid Mediated Intermolecular Vinylsilylation of Alkynes. <i>Chemistry Letters</i> , 2001 , 30, 982-983 | 1.7 | 6 |
| 130 | Do More Electrophilic Aldehydes/Ketones Exhibit Higher Reactivity toward Nucleophiles in the Presence of Lewis Acids?. <i>Angewandte Chemie</i> , 2001 , 113, 3306-3308 | 3.6 | 6 |
| 129 | Lewis Acid Catalyzed Reaction of Aromatic Vinyl Halides with Aromatic Aldehydes: A Novel Aldol-type Condensation Mimic. <i>Synlett</i> , 2001 , 2001, 0910-0913 | 2.2 | 6 |
| 128 | Is the halogen-metal exchange faster than deprotonation in the reaction of ortho-carboranyl aryl bromide with butyllithium?. <i>Tetrahedron Letters</i> , 2000 , 41, 2499-2501 | 2 | 6 |
| 127 | Simple one-pot transformations of toluene-p-sulfonates of 2,3-epoxy alcohols into allylic alcohols. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1996 , 865 | | 6 |
| 126 | Diastereofacial selection in the conjugate reduction of β -alkyl- α,β -unsaturated carbonyl derivatives. Stereocontrol dictated by aromatic ring-Pd interaction. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1989 , 1703-1705 | | 6 |
| 125 | A biogenetic synthesis of (β)-secotrinenriven-2 β,β -diol. <i>Journal of the Chemical Society Chemical Communications</i> , 1987 , 977-978 | | 6 |
| 124 | Regioselective head-to-tail coupling of allylic trialkylstannanes with allylic halides under high pressure. <i>Journal of the Chemical Society Chemical Communications</i> , 1984 , 548 | | 6 |
| 123 | Reaction of organoboranes with 2,5-dihydroxy-1,4-benzoquinone and related compounds, and its application to the synthesis of rapanone. <i>Journal of Organic Chemistry</i> , 1978 , 43, 4895-4898 | 4.2 | 6 |
| 122 | The photochemically induced reaction of bromotrichloromethane with triethylborane and related trialkylboranes. A new route to β -bromination of trialkylboranes. <i>Challenge</i> , 1971 , 1535-1536 | 0.8 | 6 |
| 121 | Gold-catalyzed reactions of oxo-alkynes. <i>Arkivoc</i> , 2007 , 2007, 6-19 | 0.9 | 6 |
| 120 | Stereocontrolled Synthesis of Polycyclic Ethers and Related Heterocycles via the Intramolecular Reaction of Allylstannanes.. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 1997 , 55, 619-630 | 0.2 | 6 |
| 119 | Nickel catalyzed imine aldol reactions between activated imines and pronucleophiles 1995 , 36, 5023-5023 | | 6 |

- 118 Palladium-Catalyzed Ligand-Controlled Regioselective Nucleophilic Aromatic Substitution of 1-(Chloromethyl)naphthalenes with Arylacetonitriles. *Journal of Organic Chemistry*, **2018**, 83, 13981-13990 4.2 6
- 117 Pd-Catalyzed Consecutive C-H-Arylation-Triggered Cyclotrimerization: Synthesis of Star-Shaped Benzotristhiazoles and Benzotrisoxazoles. *Chemistry - A European Journal*, **2018**, 24, 9041-9050 4.8 6
- 116 Efficient approach to allylated quinolines via palladium-catalyzed cyclization/allylation of 1-azido-2-(2-propynyl) benzenes with allyl methyl carbonate. *Tetrahedron Letters*, **2014**, 55, 1552-1556 2 5
- 115 Regioselective control by a catalyst switch in palladium-catalyzed benzylallylation of arylethylidene malononitriles. *Journal of Organometallic Chemistry*, **2013**, 745-746, 177-185 2.3 5
- 114 Boron-gadolinium binary system as a magnetic resonance imaging boron carrier. *Pure and Applied Chemistry*, **2003**, 75, 1343-1348 2.1 5
- 113 New Benzannulation Reactions of Conjugated Enynes.. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2001**, 59, 346-354 0.2 5
- 112 TOTAL SYNTHESIS OF HEMIBREVETOXIN VIA THE ALLYLIC TIN METHODOLOGY. *Main Group Metal Chemistry*, **1996**, 19, 1.6 5
- 111 A new method for construction of cyclic enones via phosphonate anions. *Heteroatom Chemistry*, **1992**, 3, 471-478 1.2 5
- 110 A new stereoselective synthesis of (20R)- and (20S)-steroidal side chains. *Journal of the Chemical Society Chemical Communications*, **1988**, 342 5
- 109 Proton NMR studies of alkenylboranes. The presence of diastereomers in certain alkenylboranes. *Journal of Organic Chemistry*, **1979**, 44, 2566-2568 4.2 5
- 108 LITHIUM IODIDE MEDIATED REGIOSELECTIVE COUPLING OF LITHIUM ACETYLIDES WITH ALLYLIC HALIDES. *Chemistry Letters*, **1980**, 9, 669-670 1.7 5
- 107 High control of the stereochemistry of the reactions of carbanions to sulphoxides via an aluminium Et₂O complex. *Journal of the Chemical Society Chemical Communications*, **1980**, 239-240 5
- 106 A new approach for the synthesis of partially mixed trialkylcarbinols via the reaction of dialkylchloroboranes with lithium aldimines. *Tetrahedron Letters*, **1975**, 16, 2689-2692 2 5
- 105 Reversed Regioselectivity in the reduction of epoxides with lithium 9,9-di-n-butyl-9-borabicyclo[3.3.1]nonanate. *Journal of the Chemical Society Chemical Communications*, **1976**, 672-673 5
- 104 A rapid rearrangement of β -bromoethylborane induced by electrophilic reagents. *Journal of the Chemical Society Chemical Communications*, **1972**, 71-72 5
- 103 Novel Addition and [3+2] Cycloaddition Reactions of Stannyl- and Silyl-ortho-carboranes to Carbonyl Compounds. *Collection of Czechoslovak Chemical Communications*, **1999**, 64, 829-846 5
- 102 Formal Total Synthesis of Hemibrevetoxin B via the Intramolecular Allylation Followed by Ring-Closing Metathesis. *Heterocycles*, **2007**, 74, 617 0.8 5
- 101 New Hydroborating Agents. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **1974**, 32, 544-551 0.2 5

100	Direct Carbohydroxylation of Arylalkenes with Allylic Alcohols: Cooperative Catalysis of Copper, Silver, and a Brønsted Acid. <i>Angewandte Chemie</i> , 2019 , 131, 2517-2521	3.6	5
99	Unsupported Nanoporous Gold-Catalyzed Chemoselective Reduction of Quinolines Using Formic Acid as a Hydrogen Source. <i>ChemistrySelect</i> , 2019 , 4, 6572-6577	1.8	4
98	Convergent synthesis of the EFGH ring system of ciguatoxin CTX3C. <i>Tetrahedron</i> , 2015 , 71, 6547-6558	2.4	4
97	Carboxylative Suzuki coupling reactions of benzyl chlorides with allyl pinacolborate catalyzed by palladium nanoparticles. <i>Chinese Journal of Catalysis</i> , 2018 , 39, 1258-1262	11.3	4
96	Manganese powder promoted highly efficient and selective synthesis of fullerene mono- and biscycloadducts at room temperature. <i>Scientific Reports</i> , 2015 , 5, 13920	4.9	4
95	Palladium-Catalyzed Ring Opening of Cyclopropane-Appended Spirotricyclic Olefins with Soft Nucleophiles and Organoboronic Acids: Facile Synthesis of Functionalized Spiro[2.4]heptenes. <i>Synthesis</i> , 2014 , 46, 2629-2643	2.9	4
94	A Safe and Scalable Procedure for Preparation of β -PicolineBorane from Sodium Mono-acyloxyborohydrides and β -Picoline. <i>Organic Process Research and Development</i> , 2012 , 16, 495-498 ^{3.9}		4
93	Photoresponse on the Desorption of an Atomic Hydrogen on Titanium Dioxide Surface Induced by a Tip of Scanning Tunneling Microscope. <i>Chemistry Letters</i> , 2013 , 42, 942-943	1.7	4
92	Alkenpalladiumkomplex-katalysierte intramolekulare Hydrocarbonierung von β -Alkinmalonsäurenitrilen. <i>Angewandte Chemie</i> , 1997 , 109, 2588-2590	3.6	4
91	New Catalytic Reactions via the π -Allylpalladium Azide Complexes. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2004 , 62, 682-692	0.2	4
90	Radical Reaction Initiated and Stereocontrolled by Zinc Chloride. <i>Heterocycles</i> , 1998 , 47, 765	0.8	4
89	Cleavage of esters under nearly neutral conditions at high pressure. <i>High Pressure Research</i> , 1993 , 11, 93-106	1.6	4
88	Bu ₄ NBF ₃ Et ₂ O as a new reagent for the selective deprotection of the enol ethers of β -alkoxyallylstannanes. <i>Journal of the Chemical Society Chemical Communications</i> , 1994 , 59-60		4
87	A new type of complex reagent, R ₄ Pb / TiCl ₄ . <i>Tetrahedron</i> , 1992 , 48, 5587-5596	2.4	4
86	Intervention of the boat transition state in the allylic tin aldehyde condensation at high pressure. <i>Journal of the Chemical Society Chemical Communications</i> , 1989 , 1676-1678		4
85	Enhanced Cram selectivity in carbonyl alkylation via β -keto enolates and anti-Cram selectivity via β -keto esters. <i>Journal of the Chemical Society Chemical Communications</i> , 1987 , 923-924		4
84	The Metal Effect on the Stereoselection in Acyclic Systems The Reaction of Allylic Organometallic Compounds and Metal Enolates. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 1982 , 40, 332-342	0.2	4
83	¹ H AND ¹³ C NMR SPECTRA OF TETRAALKYLBORONATE COMPLEXES. HYDRIDE CHARACTER OF β -HYDROGENS TO BORON. <i>Chemistry Letters</i> , 1975 , 4, 1199-1200	1.7	4

- 82 Cooperative Catalysis of Copper, Silver, and Brønsted Acid for Three-Component Carboamination of Arylalkenes with Allylic Alcohols and Nitriles. *ChemCatChem*, **2020**, 12, 5200-5208 5.2 3
- 81 Palladium-catalyzed propargylative and allenylative dearomatization of 2-(chloromethyl)thiophenes: remarkable effect of solvents. *Tetrahedron*, **2016**, 72, 170-175 2.4 3
- 80 Highly Efficient Cu(OAc)₂-Catalyzed Dimerization of Monofunctionalized Hydrofullerenes Leading to Single-Bonded [60]Fullerene Dimers. *Angewandte Chemie*, **2012**, 124, 826-830 3.6 3
- 79 Palladium catalysed alkylative dimerization between pronucleophiles and vinyltins. *Chemical Communications*, **1997**, 1583-1584 5.8 3
- 78 Organic Synthesis with Bimetallic Systems **2005**, 1-52 3
- 77 Two Approaches to Multimetallic Catalysis: Combined Use of Metal Complexes and Multinuclear Complex Catalysts **2005**, 201-223 3
- 76 Palladium-Catalyzed Benzannulation Reactions of Conjugated Enynes and Diynes 1635-1646 3
- 75 Asymmetric Diels-Alder reactions of TMHD-acrylate using TiCl₄[(Ar)Hg]_m complexed Lewis acids. *Journal of the Chemical Society Chemical Communications*, **1995**, 1271-1272 3
- 74 A new method for the synthesis of N-t-butoxycarbonyl protected β -alkoxy amines from allylamines under neutral conditions. *Journal of the Chemical Society Chemical Communications*, **1990**, 1304-1306 3
- 73 Stereospecific Synthesis of 3-Oxo- β -bourbonene and the Cisoid Isomer for Structural Determination of the Toxic Component of *Lansium domesticum*. *Bulletin of the Chemical Society of Japan*, **1988**, 61, 2672-2674 5.1 3
- 72 Organocopper-Lewis acid complex reagents. The past and present.. *Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry*, **1986**, 44, 829-845 0.2 3
- 71 ¹³C NMR spectra of allylic boron π - σ complexes. Relative importance of π -conjugation between the double bond and the carbon-boron bond. *Tetrahedron Letters*, **1980**, 21, 3599-3602 2 3
- 70 AN UNUSUAL DIRECTIVE EFFECT IN THE HYDROBORATION OF 2-BROMONORBORNENE WITH 9-BORABICYCLO[3.3.1]NONANE. *Chemistry Letters*, **1974**, 3, 485-488 1.7 3
- 69 Highly Selective Organic Synthesis via Organic π - σ Complexes. *Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry*, **1979**, 37, 641-654 0.2 3
- 68 Asymmetric synthesis of β -amino acids and β -lactam derivatives via conjugate addition of metal amides. *Advances in Asymmetric Synthesis*, **1999**, 1-37 3
- 67 [3 + 2] Cycloaddition of β -Aryl- β -diazoacetates with Terminal Alkynes via the Cooperative Catalysis of Palladium and Acid. *ACS Catalysis*, **2021**, 11, 10789-10795 13.1 3
- 66 Pd-catalyzed cascade cyclization of o -alkynylaryl bromides with dialkylalkynes via consecutive carbopalladation. *Tetrahedron Letters*, **2015**, 56, 3133-3136 2 2
- 65 Convenient synthesis of tetracoordinated organoboron compounds via C-H borylation of aryl-N-heteroaromatics with TFOB Bu₂. *Tetrahedron Letters*, **2020**, 61, 152199 2 2

64	Palladium-Catalyzed Interceptive Decarboxylative Addition of Allyl Carbonates with Carbonyl Group. <i>Synlett</i> , 2014 , 25, 1246-1252	2.2	2
63	Gold-Catalyzed Benzannulations: Asao Yamamoto Benzopyrylium Pathway 2012 , 55-73		2
62	A Novel Synthetic Method of Bicyclic Pyrans via the Palladium-Catalyzed Tandem Cyclization/Ring Expansion between Enynals and Dimethyl Acetylenedicarboxylate. <i>Synthesis</i> , 2004 , 2004, 1409-1412	2.9	2
61	Highly diastereoselective desymmetrizing intramolecular cyclization of allylstannane with a diketone promoted by Lewis acid or transition metal complex. <i>Journal of Organometallic Chemistry</i> , 2001 , 624, 136-142	2.3	2
60	Most Stable Conformer of 2-Phenylpropanal Elucidated by Supersonic Jet Spectroscopy. <i>Journal of the American Chemical Society</i> , 1995 , 117, 3167-3170	16.4	2
59	Very high diastereofacial stereoselectivity in the β -methoxy organolead aldehyde condensation. Stereocontrol of three contiguous chiral centres. <i>Journal of the Chemical Society Chemical Communications</i> , 1992 , 863-864		2
58	Hochselektive Synthese von Dipeptid-isosteren (E)-Alkenen hoher optischer Reinheit mit $\text{RCu}(\text{CN})\text{LiBF}_3$. <i>Angewandte Chemie</i> , 1990 , 102, 816-818	3.6	2
57	THE STEREOCHEMISTRY OF C-C BOND FORMATION VIA METAL ENOLATES. ALKYLATION AND HETEROATOM INTRODUCTION 1990 , 3-92		2
56	High Pressure Reaction of 1-Methoxy-3-trialkylsiloxybuta-1,3-diene with Aldehydes. [4 + 2] Cycloaddition or Silicon Migration Reaction. <i>Chemistry Letters</i> , 1987 , 16, 945-946	1.7	2
55	Visible-Light-Promoted Iron-Catalyzed N-Arylation of Dioxazolones with Arylboronic Acids. <i>ACS Catalysis</i> , 13955-13961	13.1	2
54	π -Conjugated carbocycles and heterocycles via annulation through C-H and X-Y activation across CC triple bonds. <i>Arkivoc</i> , 2016 , 2016, 9-41	0.9	2
53	Organic synthesis at high pressure. Recent development.. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 1989 , 47, 321-329	0.2	2
52	Syntheses of Nitrogen Containing Compounds Using Reactive Organometallics.. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 1993 , 51, 1005-1012	0.2	2
51	Synthesis of 1-Indole-2,3-dicarboxylates via Rhodium-Catalyzed C-H Annulation of Arylhydrazines with Maleates. <i>Journal of Organic Chemistry</i> , 2020 , 85, 12544-12552	4.2	2
50	Unsupported Nanoporous Palladium Catalyst for Highly Selective Hydrogenation of Carbon Dioxide and Sodium Bicarbonate into Formate. <i>ChemCatChem</i> , 2021 , 13, 2702-2708	5.2	2
49	FeCl_3 -Mediated Oxidative Spirocyclization of Difluorenylidene Diarylethanes Leading to Dispiro[fluorene-9,5'-indeno[2,1-a]indene-10',9''-fluorene]s. <i>Angewandte Chemie</i> , 2016 , 128, 267-271	3.6	2
48	Effect of Nanoporous Structure on the Catalytic Activity of Nanoporous Palladium for Hydrogenation of Nitro Compounds. <i>ChemistrySelect</i> , 2020 , 5, 7086-7092	1.8	1
47	Gold-Catalyzed Benzannulations 2014 , 1-52		1

46	Synthesis and Performance of New Organic Dyes and Functional Fullerenes for Organic Solar Cells. <i>ACS Symposium Series</i> , 2015 , 193-236	0.4	1
45	Novel [3 + 2] Cycloaddition of Alkylidenecyclopropanes with Aldehydes Catalyzed by Palladium.. <i>ChemInform</i> , 2010 , 32, no-no		1
44	Triethylborane 2007 ,		1
43	Copper-Mediated Synthesis of Natural and Unnatural Products289-314		1
42	Rare EarthAlkali Metal Heterobimetallic Asymmetric Catalysis 2005 , 121-142		1
41	Rare Earth Bimetallic Asymmetric Catalysis 2005 , 103-120		1
40	Carbopalladation of Alkynes Followed by Trapping with Electrophiles1361-1367		1
39	Metal promoted synthesis of heterocycles from heteroacyclic compounds. <i>Journal of Heterocyclic Chemistry</i> , 1999 , 36, 1523-1532	1.9	1
38	Synthesis of β -alkoxyalkyltributyllead compounds via the reaction of tributylplumbyllithium with β -chloroethers, and the conjugate addition of tributylplumbyllithium to enones. <i>Journal of Organometallic Chemistry</i> , 1993 , 443, C6-C7	2.3	1
37	THE STEREOCHEMISTRY OF THE SAKURAI REACTION 1989 , 363-441		1
36	Palladium-Catalyzed Tail-to-Tail Reductive Dimerization of Terminal Alkynes to 2,3- Dibranched Butadienes.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	1
35	B Synthesis and Properties of Boron Compounds. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 1979 , 37, 1008-1016	0.2	1
34	New reagents. X. Reagents for functionalization. Amination reagent: Diamidecopper lithium.. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 1990 , 48, 1066-1067	0.2	1
33	Molecular Design and Synthesis of B-10 Carriers for Neutron Capture Therapy 1992 , 219-222		1
32	Hydrodebromination of Aromatic Bromides Catalyzed by Unsupported Nanoporous Gold: Heterolytic Cleavage of Hydrogen Molecule. <i>ChemCatChem</i> , 2020 , 12, 4951-4957	5.2	1
31	Palladium-Catalyzed Hydroalkoxylation of Methylenecyclopropanes 1999 , 38, 3365		1
30	Copper-Catalyzed One-Pot Synthesis of 1,3-Enynes from 2-Chloro--(quinolin-8-yl)acetamides and Terminal Alkynes. <i>Journal of Organic Chemistry</i> , 2020 , 85, 8740-8748	4.2	0
29	Bis-Functionalization of 1,3-Dienes through 1,4-Conjugate Addition of Amphiphilic Bis- β Allyl and Related Palladium Intermediates. <i>Synlett</i> , 2014 , 25, 359-364	2.2	0

28	Lanthanum isopropoxide catalyzed addition of activated nucleophiles to imines. <i>Applied Organometallic Chemistry</i> , 1995 , 9, 467-471	3.1	o
27	¹³ C NMR SPECTRA OF ALKENYLBORANES. EVIDENCE FOR THE PRESENCE OF π -CHARACTER IN THE B-C BOND. <i>Chemistry Letters</i> , 1975 , 4, 57-58	1.7	o
26	¹³ C NMR SPECTRA AND BONDING SITUATION OF THE B-C BOND IN ALKYNILBORANES. <i>Chemistry Letters</i> , 1975 , 4, 439-440	1.7	o
25	Reductive Dehalogenating Agents -Sodium Cyanoborohydride, Lithium Triethylborohydride, Copper Ate Complex, 9-BBN Ate Complex-. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 1975 , 33, 973-977	0.2	o
24	New methods for stereocontrol via Lewis acid and an electron transfer.. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 1990 , 48, 436-446	0.2	o
23	Chiral Indolizidine Synthesis through the Ir-Catalyzed Asymmetric Hydrogenation of Cyclic Pyridinium Salts. <i>Journal of Organic Chemistry</i> , 2021 , 86, 10773-10781	4.2	o
22	GOLD-CATALYZED ADDITION OF HETEROATOM NUCLEOPHILE TO C=C MULTIPLE BOND. <i>Catalytic Science Series</i> , 2014 , 137-174	0.4	
21	Case Study of Mechanisms in Synthetic Reactions 2012 , 603-641		
20	Eine neuartige [3+2]-Anellierung eines ortho-Carboranyltrimethylsilans an konjugierte Carbonylverbindungen. <i>Angewandte Chemie</i> , 1997 , 109, 399-401	3.6	
19	C-C Transformation at Functionalized Alkanes 317-496		
18	Dirhodium Tetrphosphine Catalysts 2005 , 225-248		
17	Catalysis by Homo- and Heteronuclear Polymetallic Systems 2005 , 249-290		
16	Zinc Polymetallic Asymmetric Catalysis 2005 , 53-76		
15	Group 13 Alkali Metal Heterobimetallic Asymmetric Catalysis 2005 , 77-102		
14	Catalytic and Stoichiometric Transformations by Multimetallic Rare Earth Metal Complexes 2005 , 143-162		
13	Bimetallic Oxidation Catalysts: Hydrogen Peroxide Generation and Its Use in Hydrocarbon Oxidation 2005 , 187-199		
12	Bimetallic Transition Metal Catalysts for Organic Oxidation 2005 , 163-185		
11	The Tsuji-Trost Reaction and Related Carbon-Carbon Bond Formation Reactions: Palladium-Catalyzed Reactions of Soft Carbon Nucleophiles with Dienes, Vinylcyclopropanes, and Related Compounds 1833-1844		

- 10 A chemical scale for evaluating the electron transfer ability of alkylcopper reagents. *Macromolecular Symposia*, **1998**, 134, 189-198 0.8
- 9 A New Class of Stable Enol Based on the 2,2,6,6-Tetramethylheptane-3,5-diol Framework. *Chemistry Letters*, **1995**, 24, 637-638 1.7
- 8 Development of Nanoporous Metal Skeleton Catalysts for Organic Synthesis. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2020**, 78, 98-108 0.2
- 7 Application of High Pressures to Organic Synthesis.. *Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu*, **1993**, 2, 97-102 0
- 6 Synthesis and Biological Properties of Carboranylaziridine **1993**, 305-308
- 5 Netropsin and Distamycin Analogues Bearing Ortho-Carborane **1996**, 177-182
- 4 Synthesis of a Water-Soluble o-Carborane Bearing Uracil Moiety Via Palladium Catalyzed Reaction under Essentially Neutral Conditions **1996**, 173-176
- 3 Palladium Catalyzed New Benzannulation via Enynes **1999**, 283-290
- 2 Solvent Effect on Stereochemistry.. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **1967**, 25, 1121-1133 0.2
- 1 Synthesis of Organoboranes and Their Application. *Journal of Japan Oil Chemists Society*, **1977**, 26, 203-211