Pierre H Dixneuf

List of Publications by Year in Descending Order

120 papers	10,000 citations	51 h-index	99 g-index
128 ext. papers	10,599 ext. citations	8.2 avg, IF	6.57 L-index

#	Paper	IF	Citations
120	syn-Selective Construction of Fused Heterocycles by Catalytic Reductive Tandem Functionalization of N-Heteroarenes. *ACS Catalysis*, **2021**, 11, 9271-9278	13.1	6
119	Alkenes as hydrogen trappers to control the regio-selective ruthenium(II) catalyzed ortho C–H silylation of amides and anilides. *Organic Chemistry Frontiers*, **2021**, 8, 514-521	5.2	8
118	Metal-catalyzed silylation of spC-H bonds. *Chemical Society Reviews*, **2021**, 50, 5062-5085	58.5	21
117	Late-Stage Diversification of Biarylphosphines through Rhodium(I)-Catalyzed C-H Bond Alkenylation with Internal Alkynes. *Organic Letters*, **2020**, 22, 5936-5940	6.2	10
116	Carbonylation of tertiary carbon radicals: synthesis of lactams. *Chemical Communications*, **2019**, 55, 4655-4658	5.8	21
115	Rh -Catalyzed P -Directed C-H Bond Alkylation: Design of Multifunctional Phosphines for Carboxylation of Aryl Bromides with Carbon Dioxide. *Angewandte Chemie - International Edition*, **2019**, 58, 14110-14114	16.4	32
114	RhI-Catalyzed PIII-Directed C–H Bond Alkylation: Design of Multifunctional Phosphines for Carboxylation of Aryl Bromides with Carbon Dioxide. *Angewandte Chemie*, **2019**, 131, 14248-14252	3.6	6
113	Transformations of terpenes and terpenoids via carbon–carbon double bond metathesis. *Catalysis Science and Technology*, **2018**, 8, 3989-4004	5.5	19
112	Photoredox Catalysis for Building C-C Bonds from C(sp)-H Bonds. *Chemical Reviews*, **2018**, 118, 7532-7585	68.1	392
111	Late stage modifications of P-containing ligands using transition-metal-catalysed C-H bond functionalisation. *Chemical Communications*, **2018**, 54, 7265-7280	5.8	50
110	Metal-free C(sp)-H bond sulfonyloxylation of 2-alkylpyridines and alkylnitrones. *Organic and Biomolecular Chemistry*, **2018**, 16, 4954-4957	3.9	7
109	A Triflamide-Tethered N-Heterocyclic Carbene–Rhodium(I) Catalyst for Hydroalkoxylation Reactions: Ligand-Promoted Nucleophilic Activation of Alcohols. *ChemCatChem*, **2017**, 9, 1397-1401	5.2	19
108	Ruthenium-Catalyzed C–H Bond Alkylation of Arylphosphine Oxides with Alkenes: A Straightforward Access to Bifunctional Phosphorous Ligands with a Pendent Carboxylate. *ChemCatChem*, **2017**, 9, 3117-3120	5.2	16
107	Copper-Catalyzed Alkoxycarbonylation of Alkanes with Alcohols. *ChemSusChem*, **2017**, 10, 1341-1345	8.3	17
106	Synthesis of 2-Pyridinemethyl Ester Derivatives from Aldehydes and 2-Alkylheterocycle N-Oxides via Copper-Catalyzed Tandem Oxidative Coupling-Rearrangement. *Organic Letters*, **2017**, 19, 6720-6723	6.2	23
105	Ruthenium Indenylidene Catalysts for Alkene Metathesis **2015**, 389-416		4
104	Early Steps of Homogeneous Catalysis in Rennes: Carbon Dioxide Incorporation, Alkyne Activation and Ruthenium Catalysis. *Catalysis Letters*, **2015**, 145, 360-372	2.8	25

103	Access to Functionalized □Trifluoromethyl-□aminophosphonates via Intermolecular Ene□yne Metathesis. *Synlett*, **2014**, 25, 2624-2628	2.2	4
102	Access to Cyclic □CF3-Substituted □Amino Acid Derivatives by Ring-Closing Metathesis of Functionalized 1,7-Enynes. *European Journal of Organic Chemistry*, **2013**, 2013, 5353-5363	3.2	19
101	sp2 C-H bond activation in water and catalytic cross-coupling reactions. *Chemical Society Reviews*, **2013**, 42, 5744-67	58.5	467
100	Autocatalytic intermolecular versus intramolecular deprotonation in C-H bond activation of functionalized arenes by ruthenium(II) or palladium(II) complexes. *Chemistry - A European Journal*, **2013**, 19, 7595-604	4.8	83
99	Synthesis of CF3-Containing 1,2,3,4-Tetrahydroisoquinoline-3-Phosphonates via Regioselective Ruthenium-Catalyzed Co-cyclotrimerization of 1,7-Aza□diynes. *Synlett*, **2013**, 24, 1517-1522	2.2	12
98	Ruthenium(II)-catalyzed C-H bond activation and functionalization. *Chemical Reviews*, **2012**, 112, 5879-9168	48.1	2254
97	Ruthenium(II)-Catalyzed Alkenylation of Ferrocenyl Ketones via C□H Bond Activation. *Organometallics*, **2012**, 31, 7320-7323	3.8	73
96	Ruthenium(II) catalysed synthesis of unsaturated oxazolines via arene C□H bond alkenylation. *Green Chemistry*, **2012**, 14, 2706	10	53
95	Autocatalysis for C-H bond activation by ruthenium(II) complexes in catalytic arylation of functional arenes. *Journal of the American Chemical Society*, **2011**, 133, 10161-70	16.4	324
94	Ruthenium diacetate-catalysed oxidative alkenylation of C□H bonds in air: synthesis of alkenyl N-arylpyrazoles. *Green Chemistry*, **2011**, 13, 3075	10	129
93	Allenylidene to Indenylidene Rearrangement in Cationic p-Cymene Ruthenium(II) Complexes: Solvent, Counteranion, and Substituent Effects in the Key Step toward Catalytic Olefin Metathesis. *Organometallics*, **2010**, 29, 4524-4531	3.8	24
92	C-H bond functionalization in water catalyzed by carboxylato ruthenium(II) systems. *Angewandte Chemie - International Edition*, **2010**, 49, 6629-32	16.4	221
91	Sequential synthesis of furans from alkynes: successive ruthenium(II)- and copper(II)-catalyzed processes. *Angewandte Chemie - International Edition*, **2009**, 48, 1681-4	16.4	132
90	Synthesis of Triazole and Coumarin Compounds and Their Physiological Activity. *Topics in Heterocyclic Chemistry*, **2007**, 123-153	0.2	4
89	Metal vinylidenes and allenylidenes in catalysis: applications in anti-Markovnikov additions to terminal alkynes and alkene metathesis. *Angewandte Chemie - International Edition*, **2006**, 45, 2176-203	16.4	432
88	Metallvinylidene und -allenylidene in der Katalyse. *Angewandte Chemie*, **2006**, 118, 2232-2260	3.6	135
87	Allenylidene-to-indenylidene rearrangement in arene-ruthenium complexes: a key step to highly active catalysts for olefin metathesis reactions. *Journal of the American Chemical Society*, **2006**, 128, 4079-89	16.4	99
86	Reaction of [□:□Me2C(C5H4)(C2B10H10)]Ru(NCCH3)2with Me3SiC?CR. Synthesis and Structural Characterization of Mononuclear Ruthenium Bis(vinylidene) and Vinylvinylidene Complexes. *Organometallics*, **2006**, 25, 2719-2721	3.8	18

85	Redox Active Architectures and Carbon-Rich Ruthenium Complexes as Models for Molecular Wires **2006**, 55-84		3
84	Direct propargylation of furan and arene by propargylic alcohols promoted by bisoxazoline–ruthenium catalysts. *New Journal of Chemistry*, **2005**, 29, 765	3.6	28
83	Ruthenium-catalyzed synthesis of alkylidenecyclobutenes via head-to-head dimerization of propargylic alcohols and cyclobutadiene-ruthenium intermediates. *Chemistry - A European Journal*, **2005**, 11, 1312-24	4.8	34
82	Allenylidene–ruthenium complexes as versatile precatalysts for alkene metathesis reactions. *Journal of Molecular Catalysis A*, **2004**, 213, 31-37		53
81	The versatility of molecular ruthenium catalyst RuCl(COD)(C5Me5). *Journal of Organometallic Chemistry*, **2004**, 689, 1382-1392	2.3	53
80	Ruthenium-allenylidene complexes and their specific behaviour. *Coordination Chemistry Reviews*, **2004**, 248, 1585-1601	23.2	138
79	Synthesis, Structural Characterization, Ligand Displacement Reaction, and Electrochemical Property of Ruthenium Complexes Incorporating Linked Cyclopentadienyl-Carboranyl Ligands. *Organometallics*, **2004**, 23, 5864-5872	3.8	35
78	Bis-allenylidene metal complex and unique related radical with delocalization of one electron over both trans carbon-rich chains. *Journal of the American Chemical Society*, **2004**, 126, 4072-3	16.4	51
77	Ruthenium-Catalyzed C–C Bond Formation. *Topics in Organometallic Chemistry*, **2004**, 1-44	0.6	32
76	Amphoteric Allenylidene Ruthenium Complexes and the First Dinuclear Ruthenium Species with a Bis-alkenyl Carbyne Bridging Ligand. *Organometallics*, **2003**, 22, 3980-3984	3.8	44
75	Rate Studies and Mechanism of Ring-Closing Olefin Metathesis Catalyzed by Cationic Ruthenium Allenylidene Arene Complexes. *Organometallics*, **2003**, 22, 4459-4466	3.8	59
74	Highly active catalysts in alkene metathesis: first observed transformation of allenylidene into indenylidene via alkenylcarbyne--ruthenium species. *Angewandte Chemie - International Edition*, **2003**, 42, 4524-7	16.4	75
73	Synthesis of ruthenium acetylides: new building blocks for molecular electronics. *Journal of Organometallic Chemistry*, **2003**, 670, 37-44	2.3	94
72	Biscarbene-ruthenium complexes in catalysis: novel stereoselective synthesis of (1E,3E)-1,4-disubstituted-1,3-dienes via head-to-head coupling of terminal alkynes and addition of carboxylic acids. *Journal of the American Chemical Society*, **2003**, 125, 11964-75	16.4	91
71	Ruthenium catalyzed regioselective hydrophosphination of propargyl alcohols. *Chemical Communications*, **2003**, 696-7	5.8	54
70	Ruthenium Carbenes as Catalysts for Alkene Metathesis **2003**, 23-42		2
69	Unprecedented coupling of allenylidene and diynyl metal complexes: a bimetallic ruthenium system with a C7 conjugated bridge. *Angewandte Chemie - International Edition*, **2002**, 41, 4513-7	16.4	54
68	Preparation of new ruthenium–allenylidene catalysts and their use in polymerisation of cyclic olefins. *Journal of Molecular Catalysis A*, **2002**, 182-183, 577-583		34

67	Allenylidene-ruthenium-arene precatalyst for ring opening metathesis polymerisation (ROMP). *Journal of Organometallic Chemistry*, **2002**, 663, 235-238	2.3	57
66	Synthesis of bis-oxazoline-ruthenium(II)-arene complexes.. *Journal of Organometallic Chemistry*, **2002**, 662, 63-69	2.3	50
65	Ruthenium Acetylide Oxidation: From Stable Radicals to Allenylidene Synthesis via Elimination of H+. *Organometallics*, **2002**, 21, 2654-2661	3.8	43
64	Discovery of new fluorescent materials from fast synthesis and screening of conjugated polymers. *Journal of the American Chemical Society*, **2002**, 124, 5278-9	16.4	94
63	Fluorine-containing alkynyl amino esters and access to a new family of 3,4-dehydroproline analogues. *New Journal of Chemistry*, **2001**, 25, 16-18	3.6	56
62	A new binuclear ruthenium complex with an annelated C7 bridge via an unprecedented [2 + 2] coupling reaction. *Chemical Communications*, **2001**, 1206-1207	5.8	38
61	New paramagnetic ruthenium complexes via one-electron reduction of metallacumulenes. *Chemical Communications*, **2001**, 373-374	5.8	43
60	Cationic ruthenium allenylidene complexes as catalysts for ring closing olefin metathesis. *Chemistry - A European Journal*, **2000**, 6, 1847-57	4.8	230
59	2-Imidazoline and 1,4,5,6-tetrahydropyrimidine uthenium(II) complexes and catalytic synthesis of furan. *Journal of Organometallic Chemistry*, **1999**, 575, 187-192	2.3	27
58	Room temperature operating allenylidene precatalyst [LnRuCCCR2]+X- for olefin metathesis: dramatic influence of the counter anion X-. *New Journal of Chemistry*, **1999**, 23, 141-143	3.6	79
57	Metal Vinylidenes in Catalysis. *Accounts of Chemical Research*, **1999**, 32, 311-323	24.3	429
56	Organometallic Triskelia: Novel Tris(vinylideneruthenium(II)), Tris(alkynylruthenium(II)), and Triruthenium-Triferrocenyl Complexes. *Angewandte Chemie - International Edition*, **1998**, 37, 1714-1717	16.4	57
55	Powerful control by organoruthenium catalysts of the regioselective addition to C(1) or C(2) of the prop-2-ynyl ethers C?C triple bond. *Journal of Organometallic Chemistry*, **1998**, 551, 151-157	2.3	35
54	Buta-1,2,3-trienylidene, acylvinylidene and acylalkynyl ruthenium complexes via activation of alkynes with RuCl2(dppe)2. X-ray structure of trans-[Ru(?C?CHCOCH2Ph)(Cl)(dppe)2]O3SCF3. *Journal of Organometallic Chemistry*, **1998**, 565, 63-73	2.3	37
53	Novel Ruthenium Allenylidene and Mixed Alkynyl Allenylidene Complexes: Crystal Structure of trans-[(Ph2PCH2CH2PPh2)2Ru(C?CPh)(CCCPh2)]PF6 *Organometallics*, **1998**, 17, 3844-3852	3.8	64
52	Catalytic synthesis of 3-vinyl-2,5-dihydrofurans from yne-enes promoted by photochemically activated metal llenylidene LnRuCCCR2 complex. *Chemical Communications*, **1998**, 2249-2250	5.8	84
51	Synthesis of optically active allenes using tandem enzyme and palladium-catalysed reactions. *Chemical Communications*, **1997**, 2083-2084	5.8	52
50	Selective transformations of alkynes with rutheniumcatalysts. *Chemical Communications*, **1997**, 507-512	5.8	135

49	Ruthenium or Ferrocenyl Homobimetallic and RuPdRu and FePdFe Heterotrimetallic Complexes Connected by Unsaturated, Carbon-Rich □?CC6H4C?C□Bridges. *Organometallics*, **1997**, 16, 184-189	3.8	135
48	Stereoselective synthesis of ♯ketoesters from prop-2-yn-1-ols. *Tetrahedron*, **1997**, 53, 9241-9252	2.4	7
47	Carbon-rich Organoruthenium and Selective Catalytic Transformations of Alkynes **1997**, 1-20		5
46	Novel Ruthenium- or Iron-Containing Tetraynes as Precursors of Mixed-Metal Oligomers. *Organometallics*, **1996**, 15, 1530-1531	3.8	95
45	Recyclable polymeric phosphine-ruthenium catalyst for the synthesis of new enol diesters. *Journal of Molecular Catalysis A*, **1996**, 108, 29-34		15
44	Ruthenium-catalysed coupling of allyl alcohol with alkynes: A new route to □unsaturated acetals and aldehydes. *Tetrahedron*, **1996**, 52, 5511-5524	2.4	46
43	Sequential catalytic synthesis of rod-like conjugated poly-ynes. *Tetrahedron*, **1996**, 52, 5495-5504	2.4	99
42	Synthesis of methacrylate monomers from alkynes and arenealkenylruthenium(II) catalyst. *Journal of Organometallic Chemistry*, **1995**, 488, C9-C10	2.3	9
41	Efficient preparations of acylamides, acylcarbamates and acylureas from alk-1-en-2-yl esters. *Tetrahedron*, **1995**, 51, 10901-10912	2.4	31
40	Allenes and Cumulenes **1995**, 953-995		15
39	Functional Ruthenium(II) Allenylidene and Diynyl (Arene) Derivatives Formed by Activation of a Diyne via a Ru:C:C:C:C:CR2 Intermediate. *Organometallics*, **1995**, 14, 3319-3326	3.8	47
38	General Synthesis of (Z)-Alk-1-en-1-yl Esters via Ruthenium-Catalyzed anti-Markovnikov trans-Addition of Carboxylic Acids to Terminal Alkynes. *Journal of Organic Chemistry*, **1995**, 60, 7247-7255	4.2	134
37	Synthesis of Di- and Mono- Substituted Allenylidene-Ruthenium [(Ph2PCH2PPh2)2ClRu:C:C:C(Y)R]PF6 and Acetylide Complexes by Activation of Prop-2-yn-1-ols. *Organometallics*, **1995**, 14, 4920-4928	3.8	75
36	Metallacumulenes: Activation of Diynes and Formation of New Allenylideneruthenium Complexes. Crystal Structures of trans-[(Ph2PCH2PPh2)2(Cl)Ru:C:C:CR1R2]+ and trans-[(Ph2PCH2PPh2)2Ru(:C:C:C(OMe)CH:CPh2)2]2+ Derivatives. *Organometallics*, **1995**, 14, 5263-5272	3.8	56
35	Selective transformations of alkynols catalyzed by ruthenium complexes. *Inorganica Chimica Acta*, **1994**, 222, 155-163	2.7	38
34	Novel ruthenium-catalysed synthesis of furan derivatives via intramolecular cyclization of hydroxy enynes. *Journal of the Chemical Society Chemical Communications*, **1994**, 493		71
33	Ruthenium catalysed synthesis of unsaturated acetals and aldehydes via C□ bond coupling of alkynes with allyl alcohol. *Journal of the Chemical Society Chemical Communications*, **1994**, 2551-2552		38
32	(C5Me5)Ru-vinylidene complexes from terminal alkynes and propargyl alcohol derivatives. *Organometallics*, **1994**, 13, 5030-5039	3.8	90

31	Stereoselective synthesis of Z-enol esters catalysed by [bis(diphenylphosphino)alkane]bis(2-methylpropenyl)ruthenium complexes. *Journal of the Chemical Society Chemical Communications*, **1993**, 850-851		63
30	New ruthenium vinylidene complexes as intermediates for the access to .sigma.-acetylide and unsymmetrical trans-diynyl, alkynyl metal complexes. Crystal structures of [(Ph2PCH2PPh2)2(Cl)Ru=C=CH2]PF6 and [(Ph2PCH2PPh2)2(Cl)RuC.tplbond.CH] complexes. *Organometallics*, **1993**, 12, 3132-3139	3.8	115
29	Activation of 2-propyn-1-ol derivatives by (arene)ruthenium(II) complexes: new route to (alkenylcarbene)- and (polyenylcarbene)-metal complexes. *Organometallics*, **1992**, 11, 809-817	3.8	126
28	Ruthenium catalysed regioselective synthesis of O-1-(1,3-dienyl) carbamates directly from CO2. *Tetrahedron Letters*, **1991**, 32, 7409-7410	2	35
27	Organometallic cumulenes: Allenylidene□and alkenyl allenylidene□uthenium complexes. *Journal of Organometallic Chemistry*, **1991**, 420, 217-226	2.3	52
26	Enol esters as intermediates for the facile conversion of amino acids into amides and dipeptides. *Tetrahedron Letters*, **1991**, 32, 5359-5362	2	37
25	Enol formates: ruthenium catalysed formation and formylating reagents. *Journal of the Chemical Society Perkin Transactions 1*, **1991**, 1197		78
24	Activation of 1-alkynes by hexamethylbenzene-ruthenium(II) derivatives. Synthesis and characterization of alkoxyalkylcarbene-ruthenium(II) complexes via highly reactive vinylidene intermediates. *Organometallics*, **1991**, 10, 2768-2772	3.8	69
23	Ruthenium-catalyzed synthesis of symmetrical N,NSdialkylureas directly from carbon dioxide and amines. *Journal of Organic Chemistry*, **1991**, 56, 4456-4458	4.2	95
22	Metallacumulenes: preparation of novel alkenyl□llenylidene□and diynyl□uthenium complexes. Crystal structure of a Ru□C□C□C□(OSiMe3)Ph2 derivative. *Journal of the Chemical Society Chemical Communications*, **1990**, 1410-1412		27
21	General synthesis of 2-acyloxy-1,3-dienes in one step from carboxylic acids and butenyne derivatives. *Journal of the Chemical Society Chemical Communications*, **1990**, 1199		33
20	Catalytic synthesis of vinyl carbamates from carbon dioxide and alkynes with ruthenium complexes. *Journal of Organic Chemistry*, **1989**, 54, 1518-1523	4.2	113
19	Metal Carbene Complexes from Alkynes **1989**, 107-121		1
18	Regioselective synthesis of isopropenyl esters by ruthenium catalysed addition of N-protected amino-acids to propyne. *Tetrahedron Letters*, **1988**, 29, 5365-5368	2	39
17	1,8-Diazabicyclo[5.4.0]undec-7-ene as a ligand in an intermediate in selective carbonyl substitution of a ruthenium-cobalt complex. *Journal of Organometallic Chemistry*, **1988**, 344, C11-C14	2.3	2
16	Synthesis of .beta.-oxopropyl esters by catalytic addition of carboxylic acids and N-protected amino acids to propargyl alcohol. *Journal of Organic Chemistry*, **1988**, 53, 925-926	4.2	53
15	THIOCARBONYL IRON (O) COMPLEXES **1988**, 149-151		
14	Formation of arene(carbene)ruthenium complexes via vinylideneruthenium intermediates. *Journal of Organometallic Chemistry*, **1986**, 317, C25-C27	2.3	36

13	A new route to iron(0) thiocarbonyl complex involving desulphurization of the Fe(η2-CS2R)+ cation with P-n-Bu3. Crystal structure of Fe(CS)(CO)2(PPh3)2. *Journal of Organometallic Chemistry*, **1986**, 317, 291-299	2.3	15
12	Synthesis of enol esters from terminal alkynes catalyzed by ruthenium complexes. *Tetrahedron Letters*, **1986**, 27, 6323-6324	2	97
11	A novel route to thiocarbonyl□metal complexes via electron transfer to (η2-CS2R)-metal cations. *Journal of the Chemical Society Chemical Communications*, **1986**, 37-38		12
10	CARBON DISULFIDE IRON (O) COMPLEXES **1986**, 297-301		2
9	Access to novel [2-(diphenylphosphino)alkenethiolato]iron complexes via reactions of the .eta.2-alkoxythiocarbonyl ligand. *Organometallics*, **1984**, 3, 1771-1772	3.8	3
8	Novel route to tetrathiafulvalene derivatives via carbon disulphide□iron complexes. *Journal of the Chemical Society Chemical Communications*, **1983**, 1462-1463		10
7	Chemistry of .eta.2-CS2 complexes. Mononuclear iron compounds containing alkoxythiocarbonyl and chelating Ph2PCH:C(R)S ligands via coupling of coordinated CS2 and phosphinoacetylenes: x-ray structure of Fe(CO)[P(OMe)3][Ph2PCH:CCMe3S][CS(OMe)]. *Organometallics*, **1982**, 1, 1148-1154	3.8	11
6	New synthesis of 1,3-dithiole and 1,3-thiazole-2-thiones promoted by iron complexes. *Journal of Organic Chemistry*, **1982**, 47, 4000-4002	4.2	19
5	Neutral and cationic (.eta.2-dithioalkyl ester)iron(II) complexes. Synthesis, spectroscopic studies, and x-ray structure of [Fe(.eta.2-CS2CH2Ph)(CO)2(PMe3)2]PF6. *Inorganic Chemistry*, **1981**, 20, 1811-1817	5.1	11
4	η2-Alkoxythiocarbonyl and chelating Ph2PCHC(R)S-ligands via intramolecular coupling of co-ordinated CS2 and Ph2PCCR; X-ray crystal structure of Fe(CO)[P(OMe)3][Ph2PCHC(But)S][CS(OMe)]. *Journal of the Chemical Society Chemical Communications*, **1980**, 361-363		5
3	Carbon disulfide complexes of zerovalent iron: synthesis and spectroscopic properties. X-ray crystal structure of (.eta.2-carbon disulfide)dicarbonyl(trimethylphosphine)(triphenylphosphine)iron(0). *Inorganic Chemistry*, **1978**, 17, 2568-2574	5.1	44
2	Ruthenium Allenylidenes and Indenylidenes as Catalysts in Alkene Metathesis251-277		2
1	Cascade and Sequential Catalytic Transformations Initiated by Ruthenium Catalysts295-326		41