

Cedric Fischmeister

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101
papers

4,103
citations

40
h-index

61
g-index

134
ext. papers

4,363
ext. citations

5.8
avg, IF

5.5
L-index

#	Paper	IF	Citations
101	Phosphole-containing pi-conjugated systems: from model molecules to polymer films on electrodes. <i>Chemistry - A European Journal</i> , 2001 , 7, 4222-36	4.8	223
100	C-H bond functionalization in water catalyzed by carboxylato ruthenium(II) systems. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 6629-32	16.4	221
99	Direct amination of aryl halides with ammonia. <i>Chemical Society Reviews</i> , 2010 , 39, 4130-45	58.5	174
98	Greener solvents for ruthenium and palladium-catalysed aromatic C-H bond functionalisation. <i>Green Chemistry</i> , 2011 , 13, 741	10	152
97	Ruthenium diacetate-catalysed oxidative alkenylation of C-H bonds in air: synthesis of alkenyl N-arylpiperazines. <i>Green Chemistry</i> , 2011 , 13, 3075	10	129
96	Electropolymerization of pi-Conjugated Oligomers Containing Phosphole Cores and Terminal Thienyl Moieties: Optical and Electronic Properties We thank the CNRS, the MENRT, the Conseil Régional de Bretagne for financial support of this work and Prof. C. Moinet for helpful discussions. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 1812-1815	16.4	127
95	First ring-opening metathesis polymerization in an ionic liquid. Efficient recycling of a catalyst generated from a cationic ruthenium allenylidene complex. <i>New Journal of Chemistry</i> , 2002 , 26, 1667-1670	3.6	120
94	Diethyl carbonate as a solvent for ruthenium catalysed C-H bond functionalisation. <i>Green Chemistry</i> , 2009 , 11, 1871	10	119
93	Renewable materials as precursors of linear nitrile-acid derivatives via cross-metathesis of fatty esters and acids with acrylonitrile and fumaronitrile. <i>Green Chemistry</i> , 2009 , 11, 152-155	10	114
92	Allenylidene-to-indenylidene rearrangement in arene-ruthenium complexes: a key step to highly active catalysts for olefin metathesis reactions. <i>Journal of the American Chemical Society</i> , 2006 , 128, 4079-89	16.4	99
91	Ruthenium-alkylidene catalysed cross-metathesis of fatty acid derivatives with acrylonitrile and methyl acrylate: a key step toward long-chain bifunctional and amino acid compounds. <i>Green Chemistry</i> , 2011 , 13, 2911	10	91
90	Dimethyl carbonate: an eco-friendly solvent in ruthenium-catalyzed olefin metathesis transformations. <i>ChemSusChem</i> , 2008 , 1, 813-6	8.3	85
89	Ethenolysis of methyl oleate in room-temperature ionic liquids. <i>ChemSusChem</i> , 2008 , 1, 118-22	8.3	83
88	Ethenolysis: A Green Catalytic Tool to Cleave Carbon-Carbon Double Bonds. <i>Chemistry - A European Journal</i> , 2016 , 22, 12226-44	4.8	80
87	C-H Bond Functionalization in Water Catalyzed by Carboxylato Ruthenium(II) Systems. <i>Angewandte Chemie</i> , 2010 , 122, 6779-6782	3.6	74
86	Synthesis and properties of chiral imidazolium ionic liquids with a (1R,2S,5R)-1-menthoxyethyl substituent. <i>New Journal of Chemistry</i> , 2007 , 31, 879-892	3.6	68
85	Polyamide precursors from renewable 10-undecenitrile and methyl acrylate via olefin cross-metathesis. <i>Green Chemistry</i> , 2012 , 14, 2179	10	67

84	Cross-metathesis transformations of terpenoids in dialkyl carbonate solvents. <i>Green Chemistry</i> , 2011 , 13, 1448	10	67
83	Ruthenium(II)-catalyzed selective monoarylation in water and sequential functionalisations of C≡C bonds. <i>Green Chemistry</i> , 2013 , 15, 67-71	10	65
82	Z Selectivity: Recent Advances in one of the Current Major Challenges of Olefin Metathesis. <i>ChemCatChem</i> , 2013 , 5, 3436-3459	5.2	64
81	Ene-yne cross-metathesis with ruthenium carbene catalysts. <i>Beilstein Journal of Organic Chemistry</i> , 2011 , 7, 156-66	2.5	63
80	A direct route to bifunctional aldehyde derivatives via self- and cross-metathesis of unsaturated aldehydes. <i>ChemSusChem</i> , 2009 , 2, 542-5	8.3	63
79	Recovery of enlarged olefin metathesis catalysts by nanofiltration in an eco-friendly solvent. <i>ChemSusChem</i> , 2008 , 1, 927-33	8.3	60
78	Efficient synthesis of aminopyridine derivatives by copper catalyzed amination reactions. <i>Chemical Communications</i> , 2010 , 46, 925-7	5.8	59
77	Eugenol as a renewable feedstock for the production of polyfunctional alkenes via olefin cross-metathesis. <i>RSC Advances</i> , 2012 , 2, 9584	3.7	58
76	Simple Ruthenium Precatalyst for the Synthesis of Stilbene Derivatives and Ring-Closing Metathesis in the Presence of Styrene Initiators. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 546-550	5.6	58
75	A Bidentate NHC-alkenyl Ruthenium(II) Complex via Vinyl C≡C Bond Activation. <i>Organometallics</i> , 2006 , 25, 2126-2128	3.8	58
74	New Dipyridylamine Ruthenium Complexes for Transfer Hydrogenation of Aryl Ketones in Water. <i>Organometallics</i> , 2010 , 29, 1992-1995	3.8	57
73	Tandem catalytic acrylonitrile cross-metathesis and hydrogenation of nitriles with ruthenium catalysts: direct access to linear α,ω -aminoesters from renewables. <i>ChemSusChem</i> , 2012 , 5, 1410-4	8.3	54
72	Allenylidene-ruthenium complexes as versatile precatalysts for alkene metathesis reactions. <i>Journal of Molecular Catalysis A</i> , 2004 , 213, 31-37		53
71	A green route to nitrogen-containing groups: the acrylonitrile cross-metathesis and applications to plant oil derivatives. <i>Green Chemistry</i> , 2011 , 13, 2258	10	52
70	A rapid access to new coumarinyl chalcone and substituted chromeno[4,3-c]pyrazol-4(1H)-ones and their antibacterial and DPPH radical scavenging activities. <i>Medicinal Chemistry Research</i> , 2011 , 20, 522-530	3.2	50
69	Cross-metathesis with acrylonitrile and applications to fatty acid derivatives. <i>European Journal of Lipid Science and Technology</i> , 2010 , 112, 3-9	3	46
68	Chelating β -Arene- η -carbene Ligands in Ruthenium Complexes. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 2862-2869	2.3	46
67	Selective and Efficient Iridium Catalyst for the Reductive Amination of Levulinic Acid into Pyrrolidones. <i>ChemSusChem</i> , 2017 , 10, 4150-4154	8.3	45

66	First Transformation of Unsaturated Fatty Esters Involving Enyne Cross-Metathesis. <i>Advanced Synthesis and Catalysis</i> , 2009 , 351, 1115-1122	5.6	45
65	Efficient Iridium Catalysts for Base-Free Hydrogenation of Levulinic Acid. <i>Organometallics</i> , 2017 , 36, 3153-3162	3.8	44
64	C≡C bond functionalisation with [RuH(codyl) ₂]BF ₄ catalyst precursor. <i>Green Chemistry</i> , 2011 , 13, 2315	10	41
63	Electropolymerization of Conjugated Oligomers Containing Phosphole Cores and Terminal Thienyl Moieties: Optical and Electronic Properties. <i>Angewandte Chemie</i> , 2000 , 112, 1882-1885	3.6	41
62	Ruthenium-Benzylidenes and Ruthenium-Indenylidenes as Efficient Catalysts for the Hydrogenation of Aliphatic Nitriles into Primary Amines. <i>ChemCatChem</i> , 2012 , 4, 1911-1916	5.2	40
61	Acceptorless ruthenium catalyzed dehydrogenation of alcohols to ketones and esters. <i>Catalysis Science and Technology</i> , 2012 , 2, 1425	5.5	39
60	Highly efficient and economic synthesis of new substituted amino-bispyridyl derivatives via copper and palladium catalysis. <i>Tetrahedron Letters</i> , 2008 , 49, 3471-3474	2	38
59	Ionic imidazolium containing ruthenium complexes and olefin metathesis in ionic liquids. <i>Journal of Molecular Catalysis A</i> , 2007 , 268, 127-133		37
58	Ruthenium-indenylidene olefin metathesis catalyst with enhanced thermal stability. <i>Chemistry - A European Journal</i> , 2010 , 16, 12255-61	4.8	35
57	Iridium-Catalyzed Hydrogenation and Dehydrogenation of N-Heterocycles in Water under Mild Conditions. <i>ChemSusChem</i> , 2019 , 12, 2350-2354	8.3	34
56	Base-Free Dehydrogenation of Aqueous and Neat Formic Acid with Iridium(III) Cp*(dipyridylamine) Catalysts. <i>ChemSusChem</i> , 2019 , 12, 179-184	8.3	32
55	Ruthenium and Iridium Dipyridylamine Catalysts for the Efficient Synthesis of Valerolactone by Transfer Hydrogenation of Levulinic Acid. <i>Organometallics</i> , 2017 , 36, 708-713	3.8	31
54	Improving sustainability in ene-yne cross-metathesis for transformation of unsaturated fatty esters. <i>ChemSusChem</i> , 2010 , 3, 1291-7	8.3	29
53	Direct propargylation of furan and arene by propargylic alcohols promoted by bisoxazoline-ruthenium catalysts. <i>New Journal of Chemistry</i> , 2005 , 29, 765	3.6	28
52	Methyl ricinoleate as platform chemical for simultaneous production of fine chemicals and polymer precursors. <i>ChemSusChem</i> , 2012 , 5, 2249-54	8.3	26
51	Ruthenium-Catalyzed Synthesis of 1,2-Diketones from Alkynes. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 5071-5077	3.2	25
50	Immobilisation of an ionically tagged Hoveyda catalyst on a supported ionic liquid membrane: An innovative approach for metathesis reactions in a catalytic membrane reactor. <i>Catalysis Today</i> , 2010 , 156, 268-275	5.3	25
49	Synthesis of new dipyridylamine and dipyridylmethane ligands and their coordination chemistry with Mg(II) and Zn(II). <i>New Journal of Chemistry</i> , 2008 , 32, 2150	3.6	25

48	New ruthenium metathesis catalysts with chelating indenylidene ligands: synthesis, characterization and reactivity. <i>Dalton Transactions</i> , 2012 , 41, 3695-700	4.3	23
47	Terminal conjugated dienes via a ruthenium-catalyzed cross-metathesis/elimination sequence: application to renewable resources. <i>Catalysis Science and Technology</i> , 2014 , 4, 2064-2071	5.5	22
46	Silica and zirconia supported olefin metathesis pre-catalysts: Synthesis, catalytic activity and multiple-use in dimethyl carbonate. <i>Journal of Molecular Catalysis A</i> , 2012 , 357, 73-80		22
45	BR in polymers. <i>Physica B: Condensed Matter</i> , 2003 , 326, 34-40	2.8	20
44	Transformations of terpenes and terpenoids via carbon-carbon double bond metathesis. <i>Catalysis Science and Technology</i> , 2018 , 8, 3989-4004	5.5	19
43	Ruthenium catalyzed ethenolysis of renewable oleonitrile. <i>European Journal of Lipid Science and Technology</i> , 2014 , 116, 1583-1589	3	19
42	Ruthenium-catalyzed allylation reaction in ionic liquid. <i>Journal of Molecular Catalysis A</i> , 2005 , 237, 161-164		18
41	Versatile synthesis of various conjugated aromatic homo- and copolymers. <i>Synthetic Metals</i> , 2001 , 122, 1-5	3.6	18
40	Synthesis and Characterization of Sterically Enlarged Hoveyda-Type Olefin Metathesis Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 54-60	2.3	16
39	Ruthenium(II) and iridium(III) complexes featuring NHC-sulfonate chelate. <i>Dalton Transactions</i> , 2015 , 44, 17467-72	4.3	15
38	Formic acid as a hydrogen source for the iridium-catalyzed reductive amination of levulinic acid and 2-formylbenzoic acid. <i>Catalysis Science and Technology</i> , 2019 , 9, 4077-4082	5.5	15
37	Interest of the Precatalyst Design for Olefin Metathesis Operating in a Discontinuous Nanofiltration Membrane Reactor. <i>ChemPlusChem</i> , 2013 , 78, 728-736	2.8	15
36	Imidazolium-Oxazoline Salts in Ruthenium-Catalyzed Allylic Substitution and Cross Metathesis of Formed Branched Isomers. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 4752-4756	2.3	15
35	Cross metathesis of bio-sourced fatty nitriles with acrylonitrile. <i>Monatshefte Für Chemie</i> , 2015 , 146, 1107-1113		14
34	Cross-metathesis of fatty acid methyl esters with acrolein: An entry to a variety of bifunctional compounds. <i>European Journal of Lipid Science and Technology</i> , 2015 , 117, 209-216	3	14
33	Muon-spin relaxation study of anisotropic charge carrier motion in polyphenylene vinylene-based polymers. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 9987-9995	1.8	12
32	Bidentate Oxazoline-Imines Ruthenium(II) Complexes: Intermediates in the Methanolysis/Hydration of Nitrile Groups. <i>Organometallics</i> , 2010 , 29, 4234-4238	3.8	11
31	Catalytic cycloisomerisation of 1,6-dienes in ionic liquids. <i>Tetrahedron</i> , 2008 , 64, 3687-3690	2.4	11

30	Stepwise catalytic transformations of renewable feedstock arising from plant oils. <i>European Journal of Lipid Science and Technology</i> , 2013 , 115, 490-500	3	10
29	Olefin metathesis transformations in thermomorphic multicomponent solvent systems. <i>Catalysis Communications</i> , 2015 , 63, 31-34	3.2	10
28	Electrogenerated Chemiluminescence in Poly(dibutoxyphenylenevinylene) Coatings <i>Journal of Physical Chemistry B</i> , 2004 , 108, 14368-14373	3.4	9
27	Alkene Metathesis Catalysis: A Key for Transformations of Unsaturated Plant Oils and Renewable Derivatives. <i>Oil and Gas Science and Technology</i> , 2016 , 71, 19	1.9	9
26	Convenient synthesis of cobalt nanoparticles for the hydrogenation of quinolines in water. <i>Catalysis Science and Technology</i> , 2020 , 10, 4820-4826	5.5	8
25	Olefin Metathesis in Green Organic Solvents and without Solvent 2014 , 523-535		8
24	New two component catalytic system for ROMP of cycloolefins: ruthenium(methallyl)2(diphosphine)/imidazolium salt. <i>New Journal of Chemistry</i> , 2003 , 27, 215-217	3.6	8
23	10 Catalytic conversion of biosourced raw materials: homogeneous catalysis		7
22	Silver-Catalyzed Hydrogenation of Ketones under Mild Conditions. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 786-790	5.6	7
21	Syntheses and characterization of molecular weight enlarged olefin metathesis pre-catalysts. <i>Comptes Rendus Chimie</i> , 2017 , 20, 717-723	2.7	6
20	Cross metathesis of unsaturated epoxides for the synthesis of polyfunctional building blocks. <i>Beilstein Journal of Organic Chemistry</i> , 2015 , 11, 1876-80	2.5	6
19	First elaboration of an olefin metathesis catalytic membrane by grafting a Hoveyda-Grubbs precatalyst on zirconia membranes. <i>Comptes Rendus Chimie</i> , 2017 , 20, 952-966	2.7	5
18	2,2'-Dipyridylamines: more than just sister members of the bipyridine family. Applications and achievements in homogeneous catalysis and photoluminescent materials. <i>Dalton Transactions</i> , 2019 , 48, 11599-11622	4.3	5
17	Transformations of bio-sourced 4-hydroxyphenylpropanoids based on olefin metathesis. <i>ChemCatChem</i> , 2020 , 12, 5000-5021	5.2	5
16	New Ruthenium Catalysts for Alkene Metathesis. <i>NATO Science Series Series II, Mathematics, Physics and Chemistry</i> , 2007 , 3-27		5
15	Functionalization of (-)- α -pinene and (-)-limonene via cross metathesis with symmetrical internal olefins. <i>Catalysis Communications</i> , 2020 , 135, 105893	3.2	4
14	Ene-yne Cross-Metathesis for the Preparation of 2,3-Diaryl-1,3-dienes. <i>Catalysts</i> , 2017 , 7, 365	4	3
13	Regioselective synthesis of a new [1,2,3]-triazoles directly from imidates. <i>Journal of Heterocyclic Chemistry</i> , 2006 , 43, 499-501	1.9	3

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| 12 | Ortho-Metallation as a key step for the synthesis of silyl substituted Poly(p-phenylenevinylene)s. <i>Synthetic Metals</i> , 2001 , 121, 1709-1710 | 3.6 | 3 |
| 11 | Acceptorless and Base-Free Dehydrogenation of Alcohols Mediated by a Dipyrildamine-Iridium(III) Catalyst. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 4326-4330 | 3.2 | 3 |
| 10 | Alkene Metathesis for Transformations of Renewables. <i>Topics in Organometallic Chemistry</i> , 2018 , 77-102 | 0.6 | 3 |
| 9 | Tandem hydroformylation/isomerization/hydrogenation of bio-derived 1-arylbutadienes for the regioselective synthesis of branched aldehydes. <i>Applied Catalysis A: General</i> , 2020 , 598, 117583 | 5.1 | 2 |
| 8 | RTILs in Catalytic Olefin Metathesis Reactions. <i>Topics in Organometallic Chemistry</i> , 2013 , 287-305 | 0.6 | 2 |
| 7 | Ruthenium Carbenes as Catalysts for Alkene Metathesis 2003 , 23-42 | | 2 |
| 6 | Cross metathesis of (-)- α -pinene, (-)-limonene and terpenoids derived from limonene with internal olefins. <i>Applied Catalysis A: General</i> , 2021 , 623, 118284 | 5.1 | 2 |
| 5 | Catalytic Alkene Metathesis in Ionic Liquids. <i>NATO Science Series Series II, Mathematics, Physics and Chemistry</i> , 2007 , 483-501 | | 2 |
| 4 | Interest and Limitations of a Nanofiltration Membrane Reactor in a Model Ring Closing Olefin Metathesis Reaction Performed in Toluene. <i>Procedia Engineering</i> , 2012 , 44, 304-306 | | 1 |
| 3 | Synthesis of Bioactives Coumarin Derivatives, Phthalocyanines and Terminal Conjugated Dienes via a Ruthenium Catalyzed Cross-Metathesis: Application to Renewable Resources. <i>Materials Science Forum</i> , 2016 , 842, 1-45 | 0.4 | |
| 2 | Design of Luminescent Polymers for Leds. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 708, 521 | | |
| 1 | Synthesis of New Building Blocks for Light Emitting Polymers. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 660, 1 | | |