

Cedric Fischmeister

List of Publications by Year in descending order

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105
papers

4,631
citations

66234

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3812
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#	ARTICLE	IF	CITATIONS
1	C–H Bond Functionalization in Water Catalyzed by Carboxylato Ruthenium(II) Systems. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6629-6632.	7.2	240
2	Phosphole-Containing π -Conjugated Systems: From Model Molecules to Polymer Films on Electrodes. <i>Chemistry - A European Journal</i> , 2001, 7, 4222-4236.	1.7	238
3	Direct amination of aryl halides with ammonia. <i>Chemical Society Reviews</i> , 2010, 39, 4130.	18.7	200
4	Greener solvents for ruthenium and palladium-catalysed aromatic C–H bond functionalisation. <i>Green Chemistry</i> , 2011, 13, 741.	4.6	167
5	Ruthenium diacetate-catalysed oxidative alkenylation of C–H bonds in air: synthesis of alkenyl N-arylpiperazines. <i>Green Chemistry</i> , 2011, 13, 3075.	4.6	142
6	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.	1.4	137
7	Electropolymerization of π -Conjugated Oligomers Containing Phosphole Cores and Terminal Thienyl Moieties: Optical and Electronic Properties. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1812-1815.	7.2	135
8	Diethyl carbonate as a solvent for ruthenium catalysed C–H bond functionalisation. <i>Green Chemistry</i> , 2009, 11, 1871.	4.6	131
9	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.	4.6	118
10	Ethenolysis: A Green Catalytic Tool to Cleave Carbon–Carbon Double Bonds. <i>Chemistry - A European Journal</i> , 2016, 22, 12226-12244.	1.7	106
11	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, 4079-4089.	6.6	104
12	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.	4.6	97
13	Dimethyl Carbonate: An Eco-Friendly Solvent in Ruthenium-Catalyzed Olefin Metathesis Transformations. <i>ChemSusChem</i> , 2008, 1, 813-816.	3.6	91
14	Ethenolysis of Methyl Oleate in Room-Temperature Ionic Liquids. <i>ChemSusChem</i> , 2008, 1, 118-122.	3.6	86
15	Ruthenium(II)-catalyzed selective monoarylation in water and sequential functionalisations of C–H bonds. <i>Green Chemistry</i> , 2013, 15, 67-71.	4.6	79
16	Synthesis and properties of chiral imidazolium ionic liquids with a (1R,2S,5R)-(1S)-menthoxyethyl substituent. <i>New Journal of Chemistry</i> , 2007, 31, 879-892.	1.4	78
17	Cross-metathesis transformations of terpenoids in dialkyl carbonate solvents. <i>Green Chemistry</i> , 2011, 13, 1448.	4.6	76
18	Alkyne cross-metathesis with ruthenium carbene catalysts. <i>Beilstein Journal of Organic Chemistry</i> , 2011, 7, 156-166.	1.3	73

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19	Polyamide precursors from renewable 10-undecenenitrile and methyl acrylate via olefin cross-metathesis. <i>Green Chemistry</i> , 2012, 14, 2179.	4.6	71
20	Regioselectivity: Recent Advances in one of the Current Major Challenges of Olefin Metathesis. <i>ChemCatChem</i> , 2013, 5, 3436-3459.	1.8	69
21	Selective and Efficient Iridium Catalyst for the Reductive Amination of Levulinic Acid into Pyrrolidones. <i>ChemSusChem</i> , 2017, 10, 4150-4154.	3.6	66
22	A Direct Route to Bifunctional Aldehyde Derivatives via Self- and Cross-Metathesis of Unsaturated Aldehydes. <i>ChemSusChem</i> , 2009, 2, 542-545.	3.6	65
23	Efficient synthesis of aminopyridine derivatives by copper catalyzed amination reactions. <i>Chemical Communications</i> , 2010, 46, 925-927.	2.2	65
24	Eugenol as a renewable feedstock for the production of polyfunctional alkenes via olefin cross-metathesis. <i>RSC Advances</i> , 2012, 2, 9584.	1.7	65
25	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.	1.1	64
26	Recovery of Enlarged Olefin Metathesis Catalysts by Nanofiltration in an Eco-Friendly Solvent. <i>ChemSusChem</i> , 2008, 1, 927-933.	3.6	63
27	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.	2.1	62
28	A Bidentate NHC-Alkenyl Ruthenium(II) Complex via Vinyl C-H Bond Activation. <i>Organometallics</i> , 2006, 25, 2126-2128.	1.1	60
29	New Dipyridylamine Ruthenium Complexes for Transfer Hydrogenation of Aryl Ketones in Water. <i>Organometallics</i> , 2010, 29, 1992-1995.	1.1	60
30	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, 1410-1414.	3.6	59
31	Allenylidene-ruthenium complexes as versatile precatalysts for alkene metathesis reactions. <i>Journal of Molecular Catalysis A</i> , 2004, 213, 31-37.	4.8	57
32	Efficient Iridium Catalysts for Base-Free Hydrogenation of Levulinic Acid. <i>Organometallics</i> , 2017, 36, 3152-3162.	1.1	56
33	A green route to nitrogen-containing groups: the acrylonitrile cross-metathesis and applications to plant oil derivatives. <i>Green Chemistry</i> , 2011, 13, 2258.	4.6	55
34	Cross-metathesis with acrylonitrile and applications to fatty acid derivatives. <i>European Journal of Lipid Science and Technology</i> , 2010, 112, 3-9.	1.0	54
35	Iridium-Catalyzed Hydrogenation and Dehydrogenation of N-Heterocycles in Water under Mild Conditions. <i>ChemSusChem</i> , 2019, 12, 2350-2354.	3.6	54
36	Chelating η^6 -Arene- η^1 -carbene Ligands in Ruthenium Complexes. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 2862-2869.	1.0	49

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37	First Transformation of Unsaturated Fatty Esters Involving Enyne Cross-Metathesis. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 1115-1122.	2.1	48
38	C-H bond functionalisation with [RuH(codyl) ₂]BF ₄ catalyst precursor. <i>Green Chemistry</i> , 2011, 13, 2315.	4.6	48
39	Ruthenium-Benzylidenes and Ruthenium-Indenylidenes as Efficient Catalysts for the Hydrogenation of Aliphatic Nitriles into Primary Amines. <i>ChemCatChem</i> , 2012, 4, 1911-1916.	1.8	46
40	Acceptorless ruthenium catalyzed dehydrogenation of alcohols to ketones and esters. <i>Catalysis Science and Technology</i> , 2012, 2, 1425.	2.1	45
41	Base-Free Dehydrogenation of Aqueous and Neat Formic Acid with Iridium(III) Cp*(dipyridylamine) Catalysts. <i>ChemSusChem</i> , 2019, 12, 179-184.	3.6	45
42	Ionic imidazolium containing ruthenium complexes and olefin metathesis in ionic liquids. <i>Journal of Molecular Catalysis A</i> , 2007, 268, 127-133.	4.8	43
43	Highly efficient and economic synthesis of new substituted amino-bispyridyl derivatives via copper and palladium catalysis. <i>Tetrahedron Letters</i> , 2008, 49, 3471-3474.	0.7	40
44	Ruthenium-Indenylidene Olefin Metathesis Catalyst with Enhanced Thermal Stability. <i>Chemistry - A European Journal</i> , 2010, 16, 12255-12261.	1.7	36
45	Ruthenium and Iridium Dipyridylamine Catalysts for the Efficient Synthesis of β -Valerolactone by Transfer Hydrogenation of Levulinic Acid. <i>Organometallics</i> , 2017, 36, 708-713.	1.1	36
46	Direct propargylation of furan and arene by propargylic alcohols promoted by bisoxazoline-ruthenium catalysts. <i>New Journal of Chemistry</i> , 2005, 29, 765.	1.4	30
47	Improving Sustainability in Enyne Cross-Metathesis for Transformation of Unsaturated Fatty Esters. <i>ChemSusChem</i> , 2010, 3, 1291-1297.	3.6	30
48	Ruthenium-Catalyzed Synthesis of 1,2-Diketones from Alkynes. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5071-5077.	1.2	30
49	Synthesis of new dipyridinylamine and dipyridinylmethane ligands and their coordination chemistry with Mg(ii) and Zn(ii). <i>New Journal of Chemistry</i> , 2008, 32, 2150.	1.4	28
50	Methyl Ricinoleate as Platform Chemical for Simultaneous Production of Fine Chemicals and Polymer Precursors. <i>ChemSusChem</i> , 2012, 5, 2249-2254.	3.6	28
51	η^4 SR in polymers. <i>Physica B: Condensed Matter</i> , 2003, 326, 34-40.	1.3	27
52	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.	2.2	27
53	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.	2.1	25
54	New ruthenium metathesis catalysts with chelating indenylidene ligands: synthesis, characterization and reactivity. <i>Dalton Transactions</i> , 2012, 41, 3695.	1.6	23

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55	Transformations of terpenes and terpenoids <i>via</i> carbonâ€“carbon double bond metathesis. <i>Catalysis Science and Technology</i> , 2018, 8, 3989-4004.	2.1	23
56	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.	4.8	22
57	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.	2.1	21
58	Versatile synthesis of various conjugated aromatic homo- and copolymers. <i>Synthetic Metals</i> , 2001, 122, 1-5.	2.1	20
59	Synthesis and Characterization of Sterically Enlarged Hoveydaâ€“Type Olefin Metathesis Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 54-60.	1.0	19
60	Ruthenium catalyzed ethenolysis of renewable oleonitrile. <i>European Journal of Lipid Science and Technology</i> , 2014, 116, 1583-1589.	1.0	19
61	Ruthenium-catalyzed allylation reaction in ionic liquid. <i>Journal of Molecular Catalysis A</i> , 2005, 237, 161-164.	4.8	18
62	Crossâ€“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.	1.0	18
63	Cross metathesis of bio-sourced fatty nitriles with acrylonitrile. <i>Monatshefte FÃ¼r Chemie</i> , 2015, 146, 1107-1113.	0.9	17
64	Interest of the Precatalyst Design for Olefin Metathesis Operating in a Discontinuous Nanofiltration Membrane Reactor. <i>ChemPlusChem</i> , 2013, 78, 728-736.	1.3	16
65	Ruthenium(<sc>ii</sc>) and iridium(<sc>iii</sc>) complexes featuring NHCâ€“sulfonate chelate. <i>Dalton Transactions</i> , 2015, 44, 17467-17472.	1.6	16
66	2,2â€“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.	1.6	16
67	Imidazoliumâ€“Oxazoline Salts in Rutheniumâ€“Catalyzed Allylic Substitution and Cross Metathesis of Formed Branched Isomers. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4752-4756.	1.0	15
68	Convenient synthesis of cobalt nanoparticles for the hydrogenation of quinolines in water. <i>Catalysis Science and Technology</i> , 2020, 10, 4820-4826.	2.1	14
69	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.	0.7	13
70	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.	1.4	12
71	Silverâ€“Catalyzed Hydrogenation of Ketones under Mild Conditions. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 786-790.	2.1	12
72	Catalytic cycloisomerisation of 1,6-dienes in ionic liquids. <i>Tetrahedron</i> , 2008, 64, 3687-3690.	1.0	11

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73	Bidentate Oxazoline ^η Imine Ruthenium(II) Complexes: Intermediates in the Methanolysis/Hydration of Nitrile Groups. <i>Organometallics</i> , 2010, 29, 4234-4238.	1.1	11
74	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.	1.4	11
75	Transformations of bio ² sourced 4 ² hydroxyphenylpropanoids based on olefin metathesis. <i>ChemCatChem</i> , 2020, 12, 5000-5021.	1.8	11
76	Stepwise catalytic transformations of renewable feedstock arising from plant oils. <i>European Journal of Lipid Science and Technology</i> , 2013, 115, 490-500.	1.0	10
77	Olefin metathesis transformations in thermomorphic multicomponent solvent systems. <i>Catalysis Communications</i> , 2015, 63, 31-34.	1.6	10
78	Acceptorless and Base ² Free Dehydrogenation of Alcohols Mediated by a Dipyridylamine ² iridium(III) Catalyst. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 4326-4330.	1.2	10
79	Electrogenerated Chemiluminescence in Poly(dibutoxyphenylenevinylene) Coatings ² . <i>Journal of Physical Chemistry B</i> , 2004, 108, 14368-14373.	1.2	9
80	10 Catalytic conversion of biosourced raw materials: homogeneous catalysis. , 2012, , 231-262.		7
81	Cross metathesis of unsaturated epoxides for the synthesis of polyfunctional building blocks. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 1876-1880.	1.3	7
82	First elaboration of an olefin metathesis catalytic membrane by grafting a Hoveyda ² Grubbs precatalyst on zirconia membranes. <i>Comptes Rendus Chimie</i> , 2017, 20, 952-966.	0.2	7
83	Syntheses and characterization of molecular weight enlarged olefin metathesis pre-catalysts. <i>Comptes Rendus Chimie</i> , 2017, 20, 717-723.	0.2	7
84	Ene-yne Cross-Metathesis for the Preparation of 2,3-Diaryl-1,3-dienes. <i>Catalysts</i> , 2017, 7, 365.	1.6	7
85	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.	2.2	7
86	Regioselective synthesis of a new [1,2,3]-triazoles directly from imidates. <i>Journal of Heterocyclic Chemistry</i> , 2006, 43, 499-501.	1.4	6
87	New Ruthenium Catalysts for Alkene Metathesis. <i>NATO Science Series Series II, Mathematics, Physics and Chemistry</i> , 2007, , 3-27.	0.1	6
88	Diastereoselective hydrogenation of arenes and pyridines using supported ruthenium nanoparticles under mild conditions. <i>Chemical Communications</i> , 2022, 58, 8842-8845.	2.2	6
89	Alkene Metathesis for Transformations of Renewables. <i>Topics in Organometallic Chemistry</i> , 2018, , 77-102.	0.7	5
90	Cross metathesis of (-)- ² pinene, (-)-limonene and terpenoids derived from limonene with internal olefins. <i>Applied Catalysis A: General</i> , 2021, 623, 118284.	2.2	5

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91	Ortho-Metallation as a key step for the synthesis of silyl substituted Poly(p-phenylenevinylene)s. Synthetic Metals, 2001, 121, 1709-1710.	2.1	4
92	RTILs in Catalytic Olefin Metathesis Reactions. Topics in Organometallic Chemistry, 2013, , 287-305.	0.7	4
93	Functionalization of (-)- β -pinene and (-)-limonene via cross metathesis with symmetrical internal olefins. Catalysis Communications, 2020, 135, 105893.	1.6	4
94	Catalytic Alkene Metathesis in Ionic Liquids. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2007, , 483-501.	0.1	4
95	Single-Step Sustainable Production of Hydroxy-Functionalized 2-Midazolines from Carbohydrates. ChemSusChem, 2022, 15, .	3.6	4
96	Shvo-Type Metal-Ligand Cooperative Catalysts: Tethered η^5 -Oxocyclohexadienyl Ruthenium Complexes. Organometallics, 2022, 41, 1391-1402.	1.1	3
97	New family of polyfluorene copolymers for light-emitting devices. , 2002, , .		1
98	Interest and Limitations of a Nanofiltration Membrane Reactor in a Model Ring Closing Olefin Metathesis Reaction Performed in Toluene. Procedia Engineering, 2012, 44, 304-306.	1.2	1
99	Synthesis of New Building Blocks for Light Emitting Polymers. Materials Research Society Symposia Proceedings, 2000, 660, .	0.1	0
100	Design of Luminescent Polymers for Leds. Materials Research Society Symposia Proceedings, 2001, 708, 521.	0.1	0
101	New routes to monomers and polymers for LEDs. , 2001, , .		0
102	Allenylidene-Ruthenium Complexes as Versatile Precatalysts for Alkene Metathesis Reactions. ChemInform, 2004, 35, no.	0.1	0
103	Direct Propargylation of Furan and Arene by Propargylic Alcohols Promoted by Bisoxazoline-Ruthenium Catalysts.. ChemInform, 2005, 36, no.	0.1	0
104	Synthesis of Bioactives Coumarin Derivatives, Phthalocyanines and Terminal Conjugated Dienes via a Ruthenium Catalyzed Cross-Metathesis: Application to Renewable Resources. Materials Science Forum, 0, 842, 1-45.	0.3	0
105	Synthesis of New Building Blocks for Light Emitting Polymers. Materials Research Society Symposia Proceedings, 2000, 660, 1.	0.1	0