Wolfgang Frey

List of Publications by Year
in descending order

99	2,778	159525 30	223716 46
papers	citations	h-index	g-index

104	104	104	1834
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Catalytic Asymmetric Chlorination of Isoxazolinones. European Journal of Organic Chemistry, 2022, 2022, .	1.2	8
2	Comprehensive Picture of the Excited State Dynamics of Cu(I)- and Ru(II)-Based Photosensitizers with Long-Lived Triplet States. Inorganic Chemistry, 2022, 61, 214-226.	1.9	15
3	Isomers of Molybdenum Imido Alkylidene N-Heterocyclic Carbene Complexes. Organometallics, 2022, 41, 1232-1248.	1.1	2
4	Cationic molybdenum oxo alkylidenes stabilized by N-heterocyclic carbenes: from molecular systems to efficient supported metathesis catalysts. Chemical Science, 2022, 13, 8649-8656.	3.7	5
5	Cationic Group VI Metal Imido Alkylidene Nâ€Heterocyclic Carbene Nitrile Complexes: Benchâ€Stable, Functionalâ€Groupâ€Tolerant Olefin Metathesis Catalysts. Angewandte Chemie - International Edition, 2021, 60, 1374-1382.	7.2	27
6	Cationic Group VI Metal Imido Alkylidene Nâ€Heterocyclic Carbene Nitrile Complexes: Benchâ€Stable, Functionalâ€Groupâ€Tolerant Olefin Metathesis Catalysts. Angewandte Chemie, 2021, 133, 1394-1402.	1.6	8
7	Determining the Relative Configuration of Propargyl Cyclopropanes by Co-Crystallization. Synlett, 2021, 32, 350-353.	1.0	4
8	Tuning the Latent Behavior of Molybdenum Imido Alkylidene N-Heterocyclic Carbene Complexes in Dicyclopentadiene Polymerization. Organometallics, 2021, 40, 253-265.	1.1	5
9	Asymmetric Hydrocyanation of Nâ€Phosphinoyl Aldimines with Acetone Cyanohydrin by Cooperative Lewis Acid/Onium Salt/BrÃ¸nsted Base Catalysis. ChemCatChem, 2021, 13, 1509-1512.	1.8	5
10	Cross-Coupled Phenyl- and Alkynyl-Based Phenanthrolines and Their Effect on the Photophysical and Electrochemical Properties of Heteroleptic Cu(I) Photosensitizers. Inorganic Chemistry, 2021, 60, 5391-5401.	1.9	26
11	Cationic Tungsten Oxo Alkylidene N-Heterocyclic Carbene Complexes via Hydrolysis of Cationic Alkylidyne Progenitors. Organometallics, 2021, 40, 927-937.	1.1	7
12	Hierarchical Silica Inverse Opals as a Catalyst Support for Asymmetric Molecular Heterogeneous Catalysis with Chiral Rhâ€diene Complexes. ChemCatChem, 2021, 13, 2242-2252.	1.8	8
13	Efficient and Spatially Controlled Functionalization of SBAâ€15 and Initial Results in Asymmetric Rhâ€Catalyzed 1,2â€Additions under Confinement. ChemCatChem, 2021, 13, 2407-2419.	1.8	12
14	Stereo- and Regioselective Dimerization of Alkynes to Enynes by Bimetallic Syn-Carbopalladation. ACS Catalysis, 2021, 11, 5496-5505.	5.5	15
15	Highly Reactive Cationic Molybdenum Alkylidyne N-Heterocyclic Carbene Catalysts for Alkyne Metathesis. Organometallics, 2021, 40, 1178-1184.	1.1	15
16	Co-crystallization of an organic solid and a tetraaryladamantane at room temperature. Beilstein Journal of Organic Chemistry, 2021, 17, 1476-1480.	1.3	3
17	Rh(I)/(III)â€Nâ€Heterocyclic Carbene Complexes: Effect of Steric Confinement Upon Immobilization on Regioâ€ and Stereoselectivity in the Hydrosilylation of Alkynes. Chemistry - A European Journal, 2021, 27, 17220-17229.	1.7	13
18	Copper(I) Phosphinooxazoline Complexes: Impact of the Ligand Substitution and Steric Demand on the Electrochemical and Photophysical Properties. Chemistry - A European Journal, 2020, 26, 2675-2684.	1.7	17

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19	Enantiodivergent [4+2] Cycloaddition of Dienolates by Polyfunctional Lewis Acid/Zwitterion Catalysis. Angewandte Chemie - International Edition, 2020, 59, 19873-19877.	7.2	18
20	Charge Distribution in Cationic Molybdenum Imido Alkylidene N-Heterocyclic Carbene Complexes: A Combined X-ray, XAS, XES, DFT, MÃ¶ssbauer, and Catalysis Approach. ACS Catalysis, 2020, 10, 14810-14823.	5.5	19
21	Enantiodivergent [4+2] Cycloaddition of Dienolates by Polyfunctional Lewis Acid/Zwitterion Catalysis. Angewandte Chemie, 2020, 132, 20045-20049.	1.6	8
22	Synthesis of Tungsten(VI) Imido Alkylidene Bispyrrolide Complexes via the Isocyanate Route. Organometallics, 2020, 39, 3072-3076.	1.1	5
23	A Spirocyclic Parabanic Acid Masked N â€Heterocyclic Carbene as Thermally Latent Preâ€Catalyst for Polyamide 6 Synthesis and Epoxide Curing. Macromolecular Rapid Communications, 2020, 41, 2000338.	2.0	1
24	Non-porous organic crystals and their interaction with guest molecules from the gas phase. Adsorption, 2020, 26, 1323-1333.	1.4	3
25	Frontispiece: Electron Storage Capability and Singlet Oxygen Productivity of a Ru^{II} Photosensitizer Containing a Fused Naphthaloylenebenzene Moiety at the 1,10â€Phenanthroline Ligand. Chemistry - A European Journal, 2020, 26, .	1.7	0
26	Cationic Tungsten Alkylidyne Nâ€Heterocyclic Carbene Complexes: Synthesis and Reactivity in Alkyne Metathesis. European Journal of Inorganic Chemistry, 2020, 2020, 3070-3082.	1.0	16
27	Electron Storage Capability and Singlet Oxygen Productivity of a Ru II Photosensitizer Containing a Fused Naphthaloylenebenzene Moiety at the 1,10â€Phenanthroline Ligand. Chemistry - A European Journal, 2020, 26, 17027-17034.	1.7	11
28	The Coordination Behaviour of Cu I Photosensitizers Bearing Multidentate Ligands Investigated by Xâ€ray Absorption Spectroscopy. Chemistry - A European Journal, 2020, 26, 9527-9536.	1.7	17
29	Reversible Nâ€Heterocyclic Carbeneâ€Induced Î±â€H Abstraction in Tungsten(VI) Imido Dialkyl Dialkoxide Complexes. Chemistry - A European Journal, 2020, 26, 8709-8713.	1.7	6
30	Multidentate Phenanthroline Ligands Containing Additional Donor Moieties and Their Resulting Cu(I) and Ru(II) Photosensitizers: A Comparative Study. Inorganic Chemistry, 2020, 59, 14762-14771.	1.9	22
31	Selfâ€Assembly of Aminocyclopropenium Salts: Enâ€…Route to Deltic Ionic Liquid Crystals. Angewandte Chemie, 2020, 132, 10644-10652.	1.6	1
32	Selfâ€Assembly of Aminocyclopropenium Salts: Enâ€…Route to Deltic Ionic Liquid Crystals. Angewandte Chemie - International Edition, 2020, 59, 10557-10565.	7.2	15
33	Absolute Configuration of Small Molecules by Coâ€Crystallization. Angewandte Chemie, 2020, 132, 16009-16013.	1.6	6
34	Absolute Configuration of Small Molecules by Coâ€Crystallization. Angewandte Chemie - International Edition, 2020, 59, 15875-15879.	7.2	24
35	Polyfunctional Imidazolium Aryloxide Betaine/Lewis Acid Catalysts as Tools for the Asymmetric Synthesis of Disfavored Diastereomers. Journal of the American Chemical Society, 2019, 141, 12029-12043.	6.6	31
36	Molybdenum and Tungsten Alkylidyne Complexes Containing Mono-, Bi-, and Tridentate N-Heterocyclic Carbenes. Organometallics, 2019, 38, 4133-4146.	1.1	30

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37	Remarkably long-lived excited states of copper photosensitizers containing an extended Ï€-system based on an anthracene moiety. Sustainable Energy and Fuels, 2019, 3, 692-700.	2.5	33
38	Molybdenum Imido Alkylidene N-Heterocyclic Carbene Complexes Containing Pyrrolide Ligands: Access to Catalysts with Sterically Demanding Alkoxides. Organometallics, 2019, 38, 2461-2471.	1.1	17
39	Understanding Synthetic Peculiarities of Cationic Molybdenum(VI) Imido Alkylidene N-Heterocyclic Carbene Complexes. European Journal of Inorganic Chemistry, 2019, 2019, 1911-1922.	1.0	22
40	Ti (IV) Complexes with Bidentate Oâ€Chelating Nâ€Heterocyclic Carbenes for Use in the Homopolymerization of Ethylene and Its Copolymerization with Cyclic Olefins. ChemCatChem, 2019, 11, 744-752.	1.8	10
41	Asymmetric Carboxycyanation of Aldehydes by Cooperative AlF/Onium Salt Catalysts: from Cyanoformate to KCN as Cyanide Source. Chemistry - A European Journal, 2019, 25, 1515-1524.	1.7	17
42	Regioâ€, Diastereoâ€•and Enantioselective Synthesis of Piperidines with Three Stereogenic Centers from Isoxazolinones by Palladium/Iridium Relay Catalysis. European Journal of Organic Chemistry, 2018, 2018, 1797-1805.	1.2	25
43	Doppelt regioselektive asymmetrische Câ€Allylierung von Isoxazolinonen: Iridiumâ€katalysierte Nâ€Allylierung mit nachfolgender Azaâ€Copeâ€Umlagerung. Angewandte Chemie, 2018, 130, 1418-1422.	1.6	21
44	Double Regioselective Asymmetric Câ€Allylation of Isoxazolinones: Iridiumâ€Catalyzed Nâ€Allylation Followed by an Azaâ€Cope Rearrangement. Angewandte Chemie - International Edition, 2018, 57, 1404-1408.	7.2	71
45	Imidazo-Phenanthroline Ligands as a Convenient Modular Platform for the Preparation of Heteroleptic Cu(I) Photosensitizers. Inorganics, 2018, 6, 134.	1.2	20
46	A Crystalline Ready-to-Use Form of Cyclopentadiene. Synlett, 2018, 29, 1707-1710.	1.0	8
47	Polarized olefins as enabling (co)catalysts for the polymerization of Î³-butyrolactone. Polymer Chemistry, 2018, 9, 3674-3683.	1.9	50
48	Monoâ€•and Bisionic Moâ€•and Wâ€Based Schrock Catalysts for Biphasic Olefin Metathesis Reactions in Ionic Liquids. Chemistry - A European Journal, 2018, 24, 13336-13347.	1.7	11
49	Anellierte Cyclobutane durch Feâ€katalysierte Cycloisomerisierung von Eninacetaten. Angewandte Chemie, 2018, 130, 13519-13522.	1.6	2
50	Annelated Cyclobutanes by Feâ€Catalyzed Cycloisomerization of Enyne Acetates. Angewandte Chemie - International Edition, 2018, 57, 13335-13338.	7.2	13
51	Latent and Airâ€Stable Preâ€Catalysts for the Polymerization of Dicyclopentadiene: From Pentaâ€•to Hexacoordination in Molybdenum Imido Alkylidene Nâ€Heterocyclic Carbene Complexes. Chemistry - A European Journal, 2018, 24, 12652-12659.	1.7	25
52	Pentamethylcyclopentadienyl Titanium(IV) Amido Pyridylene Phenylene and Pentamethylcyclopentadienyl Titanacyclopropane Amido Complexes and their Behavior in the Polymerization of Ethylene and Cyclic Olefins. ChemCatChem, 2017, 9, 1242-1252.	1.8	4
53	Ein Aluminiumâ€Fluoridâ€Komplex mit gekoppelter Ammoniumâ€Einheit als auÃŸergewÃ¶hnlich aktiver kooperativer Katalysator in der asymmetrischen Carboxycyanierung von Aldehyden. Angewandte Chemie, 2017, 129, 4115-4119.	1.6	12
54	An Aluminum Fluoride Complex with an Appended Ammonium Salt as an Exceptionally Active Cooperative Catalyst for the Asymmetric Carboxycyanation of Aldehydes. Angewandte Chemie - International Edition, 2017, 56, 4056-4060.	7.2	32

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55	Molybdenum and Tungsten Imido Alkylidene Nâ€Heterocyclic Carbene Catalysts Bearing Cationic Ligands for Use in Biphasic Olefin Metathesis. Chemistry - A European Journal, 2017, 23, 6398-6405.	1.7	31
56	Highâ€Loading Crystals of Tetraaryladamantanes and the Uptake and Release of Aromatic Hydrocarbons from the Gas Phase. Chemistry - A European Journal, 2017, 23, 9018-9021.	1.7	16
57	Titanium Salen Complexes with Appended Silver NHC Groups as Nucleophilic Carbene Reservoir for Cooperative Asymmetric Lewis Acid/NHC Catalysis. European Journal of Organic Chemistry, 2017, 2017, 4140-4167.	1.2	10
58	First Neutral and Cationic Tungsten Imido Alkylidene Nâ€Heterocyclic Carbene Complexes. ChemCatChem, 2017, 9, 2996-3002.	1.8	35
59	Highly Enantioselective Ferrocenyl Palladacycleâ€Acetate Catalysed Arylation of Aldimines and Ketimines with Arylboroxines. Chemistry - A European Journal, 2017, 23, 2448-2460.	1.7	25
60	Polynuclear Enantiopure Salenâ€“Mesoionic Carbene Hybrid Complexes. Organometallics, 2017, 36, 4313-4324.	1.1	23
61	Copper Photosensitizers Containing P^N Ligands and Their Influence on Photoactivity and Stability. Chemistry - A European Journal, 2017, 23, 17432-17437.	1.7	27
62	N-Heterocyclic carbene-induced transmethylation in tungsten imido alkylidene bistriflates: unexpected formation of an N-heterocyclic olefin complex. Chemical Communications, 2017, 53, 12036-12039.	2.2	14
63	Ruthenium-Catalyzed Synthesis of 2H-Azirines from Isoxazolinones. Organic Letters, 2017, 19, 4436-4439.	2.4	51
64	Stereoselective Ring-Opening Metathesis Polymerization with Molybdenum Imido Alkylidenes Containing O-Chelating N-Heterocyclic Carbenes: Influence of Syn/Anti Interconversion and Polymerization Rates on Polymer Structure. Macromolecules, 2017, 50, 5701-5710.	2.2	42
65	Frontispiece: Copper Photosensitizers Containing P^N Ligands and Their Influence on Photoactivity and Stability. Chemistry - A European Journal, 2017, 23, .	1.7	0
66	Heteroleptic Copper Photosensitizers: Why an Extended Ï€â€System Does Not Automatically Lead to Enhanced Hydrogen Production. Chemistry - A European Journal, 2017, 23, 312-319.	1.7	91
67	Dual Palladium(II)/Tertiary Amine Catalysis for Asymmetric Regioselective Rearrangements of Allylic Carbamates. Chemistry - A European Journal, 2016, 22, 5767-5777.	1.7	21
68	Reagents with a Crystalline Coat. Angewandte Chemie, 2016, 128, 13910-13913.	1.6	6
69	Molybdenum Imido Alkylidene Complexes Containing N- and C-Chelating N-Heterocyclic Carbenes. Organometallics, 2016, 35, 4106-4111.	1.1	44
70	Application of imidazolinium salts and N-heterocyclic olefins for the synthesis of anionic and neutral tungsten imido alkylidene complexes. Chemical Communications, 2016, 52, 6099-6102.	2.2	38
71	2-(1,2,3-Triazol-4-yl)-imidazoline, -oxazoline, -thiazoline and -tetrahydropyrimidine as ligands in copper(II) and nickel(II) complexes. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 683-696.	0.3	1
72	Molybdenum Imido Alkylidene Nâ€Heterocyclic Carbene Complexes: Structureâ€“Productivity Correlations and Mechanistic Insights. ChemCatChem, 2016, 8, 2710-2723.	1.8	57

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73	Neutral and Cationic Molybdenum Imido Alkylidene Nâ€Heterocyclic Carbene Complexes: Reactivity in Selected Olefin Metathesis Reactions and Immobilization on Silica. Chemistry - A European Journal, 2015, 21, 13778-13787.	1.7	59
74	Regioselektive katalytische asymmetrische Câ€Alkylierung von Isoxazolinonen durch basenfreie Palladacyclusâ€katalysierte direkte 1,4â€Addition. Angewandte Chemie, 2015, 127, 2829-2833.	1.6	25
75	Mechanism of the Regio- and Stereoselective Cyclopolymerization of 1,6-Hepta- and 1,7-Octadiynes by High Oxidation State Molybdenumâ€“Imidoalkylidene N-Heterocyclic Carbene Initiators. Macromolecules, 2015, 48, 4768-4778.	2.2	33
76	Tetrakis(dimethoxyphenyl)adamantane (TDA) and Its Inclusion Complexes in the Crystalline State: A Versatile Carrier for Small Molecules. Chemistry - A European Journal, 2015, 21, 8781-8789.	1.7	27
77	Cationic Tungsten-Oxo-Alkylidene-N-Heterocyclic Carbene Complexes: Highly Active Olefin Metathesis Catalysts. Journal of the American Chemical Society, 2015, 137, 6188-6191.	6.6	81
78	Dinuclear planar chiral ferrocenyl gold(<scp>i</scp>) & gold(<scp>ii</scp>) complexes. Chemical Communications, 2015, 51, 16806-16809.	2.2	16
79	Regioselective Catalytic Asymmetric Câ€Alkylation of Isoxazolinones by a Baseâ€Free Palladacycleâ€Catalyzed Direct 1,4â€Addition. Angewandte Chemie - International Edition, 2015, 54, 2788-2791.	7.2	64
80	Nâ€Heterocyclic Carbene, High Oxidation State Molybdenum Alkylidene Complexes: Functionalâ€Groupâ€Tolerant Cationic Metathesis Catalysts. Angewandte Chemie - International Edition, 2014, 53, 9384-9388.	7.2	81
81	Cooperative Bimetallic Asymmetric Catalysis: Comparison of a Planar Chiral Ruthenocene Bis-Palladacycle to the Corresponding Ferrocene. ACS Catalysis, 2014, 4, 1850-1858.	5.5	51
82	Asymmetric Cascade Reaction to Allylic Sulfonamides from Allylic Alcohols by Palladium(II)/Baseâ€Catalyzed Rearrangement of Allylic Carbamates. Angewandte Chemie - International Edition, 2014, 53, 7634-7638.	7.2	51
83	Protected N-heterocyclic carbenes as latent pre-catalysts for the polymerization of Îµ-caprolactone. Polymer Chemistry, 2013, 4, 4172.	1.9	67
84	Asymmetric Palladium(II)â€Catalyzed Cascade Reaction Giving Quaternary Amino Succinimides by 1,4â€Addition and a Nefâ€Type Reaction. Angewandte Chemie - International Edition, 2013, 52, 13223-13227.	7.2	65
85	Ruthenium-Triazene Complexes as Latent Catalysts for UV-Induced ROMP. European Journal of Inorganic Chemistry, 2013, 2013, 5462-5468.	1.0	26
86	Stereo- and regioselective cyclopolymerization of chiral 1,7-octadiynes. Polymer Chemistry, 2013, 4, 4219.	1.9	22
87	Polymerization of methyl methacrylate by latent pre-catalysts based on CO2-protected N-heterocyclic carbenes. Polymer Chemistry, 2013, 4, 2731.	1.9	51
88	Asymmetric Michael additions of Îą-cyanoacetates by soft Lewis acid/hard BrÃ¸nsted acid catalysis: stereodivergency with bi- vs. monometallic catalysts. Chemical Science, 2013, 4, 2218.	3.7	78
89	Monomeric Ferrocene Bis-Imidazoline Bis-Palladacycles: Variation of Pdâ€“Pd Distances by an Interplay of Metallophilic, Dispersive, and Coulombic Interactions. Organometallics, 2013, 32, 5810-5817.	1.1	41
90	Catalytic Asymmetric Synthesis of Spirocyclic Azlactones by a Double Michaelâ€Addition Approach. Chemistry - A European Journal, 2013, 19, 8342-8351.	1.7	62

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91	Asymmetric Synthesis of Heterobimetallic Planar Chiral Ferrocene Pallada-/Platinacycles and Their Application to Enantioselective Aza-Claisen Rearrangements. Organometallics, 2012, 31, 6365-6372.	1.1	53
92	Bispalladacycleâ€Catalyzed Michael Addition of In Situ Formed Azlactones to Enones. Chemistry - A European Journal, 2012, 18, 14792-14804.	1.7	60
93	Paramagnetic Palladacycles with Pd^{III} Centers Are Highly Active Catalysts for Asymmetric Aza-Claisen Rearrangements. Journal of the American Chemical Society, 2012, 134, 4683-4693.	6.6	69
94	Catalytic Asymmetric Synthesis of Functionalized Î±,Î±â€Disubstituted Î±â€Amino Acid Derivatives from Racemic Unprotected Î±â€Amino Acids via inâ€situ Generated Azlactones. Advanced Synthesis and Catalysis, 2012, 354, 1443-1449.	2.1	56
95	Ruthenium(IV)â€“Bis(methallyl) Complexes as UVâ€Latent Initiators for Ringâ€Opening Metathesis Polymerization. ChemCatChem, 2012, 4, 1808-1812.	1.8	26
96	Bispalladacycle-Catalyzed BrÃ¸nsted Acid/Base-Promoted Asymmetric Tandem Azlactone Formationâ^'Michael Addition. Journal of the American Chemical Society, 2010, 132, 12222-12225.	6.6	124
97	Diastereoselective Bis-Cyclopalladation of Ferrocene-1,1â€²-diyl Bis-Imidazolines: Translation of Central via Axial into Planar Chirality. Organometallics, 2009, 28, 2001-2004.	1.1	54
98	Hydroxylation of Dodecanoic Acid and (2R,4R,6R,8R)-Tetramethyldecanol on a Preparative Scale using an NADH- Dependent CYP102A1 Mutant. Advanced Synthesis and Catalysis, 2007, 349, 1451-1461.	2.1	35
99	Direct Enantioselective Addition of Alkynes to Imines by a Highly Efficient Palladacycle Catalyst. Angewandte Chemie, 0, , .	1.6	0