Vincent Ritleng

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Ru-, Rh-, and Pd-Catalyzed Câ^'C Bond Formation Involving Câ^'H Activation and Addition on Unsaturated Substrates:  Reactions and Mechanistic Aspects. Chemical Reviews, 2002, 102, 1731-1770.	47.7	1,880
2	Nickel N-Heterocyclic Carbene-Catalyzed C–Heteroatom Bond Formation, Reduction, and Oxidation: Reactions and Mechanistic Aspects. ACS Catalysis, 2016, 6, 890-906.	11.2	194
3	Molybdenum Triamidoamine Complexes that Contain Hexa-tert-butylterphenyl, Hexamethylterphenyl, orp-Bromohexaisopropylterphenyl Substituents. An Examination of Some Catalyst Variations for the Catalytic Reduction of Dinitrogen. Journal of the American Chemical Society, 2004, 126, 6150-6163.	13.7	186
4	Hydrocarbyl Ligand Transformations on Heterobimetallic Complexes. Chemical Reviews, 2007, 107, 797-858.	47.7	176
5	Dynamic Kinetic Resolution of Racemic β-Haloalcohols: Direct Access to Enantioenriched Epoxides. Journal of the American Chemical Society, 2008, 130, 13508-13509.	13.7	149
6	An Effective Route to Cycloruthenated N-Ligands under Mild Conditions. Organometallics, 1999, 18, 2390-2394.	2.3	146
7	Nickel N-Heterocyclic Carbene-Catalyzed C–C Bond Formation: Reactions and Mechanistic Aspects. ACS Catalysis, 2015, 5, 1283-1302.	11.2	137
8	Cycloruthenated Primary and Secondary Amines as Efficient Catalyst Precursors for Asymmetric Transfer Hydrogenation. Organic Letters, 2005, 7, 1247-1250.	4.6	106
9	Hydrosilylation of Aldehydes and Ketones Catalyzed by an Nâ€Heterocyclic Carbeneâ€Nickel Hydride Complex under Mild Conditions. Advanced Synthesis and Catalysis, 2012, 354, 2619-2624.	4.3	96
10	Half-sandwich NHC-nickel(ii) complexes as pre-catalysts for the fast Suzuki coupling of aryl halides: a comparative study. Dalton Transactions, 2010, 39, 8153.	3.3	86
11	Synthesis and Catalytic Activity in Suzuki Coupling of Nickel Complexes Bearing <i>n</i> -Butyl- and Triethoxysilylpropyl-Substituted NHC Ligands: Toward the Heterogenization of Molecular Catalysts. Organometallics, 2012, 31, 2829-2840.	2.3	79
12	Synthesis, Structure, and Solution Dynamics of Pentamethylcyclopentadienyl Nickel Complexes Bearing N-Heterocyclic Carbene Ligands. Organometallics, 2008, 27, 4223-4228.	2.3	71
13	Câ^'H Activation of Acetonitrile at Nickel: Ligand Flip and Conversion of N-Bound Acetonitrile into a C-Bound Cyanomethyl Ligand. Journal of the American Chemical Society, 2010, 132, 13588-13589.	13.7	67
14	Fast Racemisation of Chiral Amines and Alcohols by Using Cationic Halfâ€6andwich Ruthena―and Iridacycle Catalysts. Chemistry - A European Journal, 2009, 15, 12780-12790.	3.3	60
15	From acetone metalation to the catalytic α-arylation of acyclic ketones with NHC–nickel(<scp>ii</scp>) complexes. Chemical Communications, 2014, 50, 4624-4627.	4.1	60
16	Synthesis and Structural Characterization of Half-Sandwich Nickel Complexes Bearing Two Different N-Heterocyclic Carbene Ligands. Organometallics, 2011, 30, 6685-6691.	2.3	59
17	Intramolecular Nitrile C–H Bond Activation in Nickel NHC Complexes: A Route to New Nickelacycles. Organometallics, 2011, 30, 3400-3411.	2.3	52
18	Cyclopentadienyl N-heterocyclic carbene–nickel complexes as efficient pre-catalysts for the hydrosilylation of imines. Catalysis Science and Technology, 2013, 3, 3111.	4.1	41

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19	Polydopamine-coated open cell polyurethane foams as an inexpensive, flexible yet robust catalyst support: a proof of concept. Chemical Communications, 2016, 52, 4691-4693.	4.1	41
20	Double Metalation of Acetone by a Nickel–NHC Complex: Trapping of an Oxyallyl Ligand at a Dinickel Center. Organometallics, 2011, 30, 6495-6498.	2.3	40
21	Preparation of a N-Heterocyclic Carbene Nickel(II) Complex. Synthetic Experiments in Current Organic and Organometallic Chemistry. Journal of Chemical Education, 2008, 85, 1646.	2.3	37
22	Ruthenacycles and Iridacycles as Catalysts for Asymmetric Transfer Hydrogenation and Racemisation. Topics in Catalysis, 2010, 53, 1002-1008.	2.8	35
23	Optically Active Ortho-Metalated Half-Sandwich Ruthenium Complexes:Â Solid-State NMR as a Convenient Tool To Analyze Mixtures of Diastereomers. Inorganic Chemistry, 2001, 40, 5117-5122.	4.0	33
24	Unsaturated dinickel–molybdenum clusters with N-heterocyclic carbene ligands. Dalton Transactions, 2008, , 1973.	3.3	29
25	Polydopamine-coated open cell polyurethane foam as an efficient and easy-to-regenerate soft structured catalytic support (S 2 CS) for the reduction of dye. Journal of Environmental Chemical Engineering, 2017, 5, 79-85.	6.7	27
26	Facile displacement of η5-cyclopentadienyl ligands from half-sandwich alkyl,NHC–nickel complexes: an original route to robust cis-C,C-nickel square planar complexes. Chemical Communications, 2013, 49, 6424.	4.1	25
27	Hydroboration of Alkenes Catalysed by a Nickel Nâ€Heterocyclic Carbene Complex: Reaction and Mechanistic Aspects. Chemistry - A European Journal, 2020, 26, 8916-8925.	3.3	24
28	Cycloruthenated tertiary amines and ethylene: further insight to the Ru-mediated olefin–aryl coupling reaction. Chemical Communications, 2000, , 129-130.	4.1	21
29	Synthesis, characterization, and catalytic application in aldehyde hydrosilylation of half-sandwich nickel complexes bearing (l² ¹ - <i>C</i>)- and hemilabile (l² ² - <i>C</i> , <i>S</i>)-thioether-functionalised NHC ligands. Dalton Transactions, 2018, 47, 17134-17145	3.3	21
30	CO ₂ Capture by Hydroxylated Azineâ€Based Covalent Organic Frameworks. Chemistry - A European Journal, 2021, 27, 8048-8055.	3.3	21
31	Ruthenacycles and Iridacycles as Transfer Hydrogenation Catalysts. Molecules, 2021, 26, 4076.	3.8	21
32	Nickel(II) Complexes of Highly σ-Donating Cyclic (Alkyl)(Amino)- and Malonate-Carbenes: Syntheses and Catalytic Studies. Organometallics, 2017, 36, 1113-1121.	2.3	20
33	Reaction between Ethylene and Cycloruthenated Tertiary Amines:  Stoichiometric Olefin Arylation and Stereospecific One-Carbon-Atom Insertion. Organometallics, 2003, 22, 347-354.	2.3	18
34	Design, Synthesis and Characterization of Nickelâ€Functionalized Covalent Organic Framework NiCl@RIOâ€12 for Heterogeneous Suzuki–Miyaura Catalysis. Chemistry - A European Journal, 2020, 26, 2051-2059.	3.3	18
35	Displacement of η ⁵ -cyclopentadienyl ligands from half-sandwich <i>C</i> , <i>C</i> ,(i>C-(NHC-cyanoalkyl)–nickel(<scp>ii</scp>) metallacycles: further insight into the structure of the resulting Cp-free nickelacycles and a catalytic activity study. Dalton Transactions, 2018_47_1535-1547	3.3	16
36	Synthesis of inexpensive chiral half-sandwich nickel N-heterocyclic carbene complexes: X-ray diffraction study of the D-menthyl-functionalized complex [Ni(iPr 2 Ph-NHC-CH 2 OMent)ClCp]. Journal of Organometallic Chemistry, 2016, 808, 57-62.	1.8	13

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37	Pseudo-tetrahedral semi-sandwich cycloruthenated compounds: 1H NMR data and DFT-calculations about the racemisation process of the ruthenium atom. Comptes Rendus Chimie, 2002, 5, 467-472.	0.5	11
38	Coating of polydopamine on polyurethane open cell foams to design soft structured supports for molecular catalysts. Chemical Communications, 2019, 55, 11960-11963.	4.1	11
39	Halfâ€Sandwich Nickel(II) NHCâ€Picolyl Complexes as Catalysts for the Hydrosilylation of Carbonyl Compounds: Evidence for NHCâ€Nickel Nanoparticles under Harsh Reaction Conditions. European Journal of Inorganic Chemistry, 2021, 2021, 3074-3082.	2.0	10
40	Borohydrideâ€functionalized polydopamineâ€coated open cell polyurethane foam as a reusable soft structured material for reduction reactions: Application to the removal of a dye. Environmental Progress and Sustainable Energy, 2019, 38, 329-335.	2.3	9
41	Formation of a Ruthenium–Arene Complex, Cyclometallation with a Substituted Benzylamine, and Insertion of an Alkyne. Journal of Chemical Education, 2007, 84, 1014.	2.3	8
42	Palladium Nanosheet-Carbon Black Powder Composites for Selective Hydrogenation of Alkynes to Alkenes. ACS Applied Nano Materials, 2021, 4, 2265-2277.	5.0	7
43	Reactions of Unsaturated Nickel–Molybdenum and –Tungsten Complexes with Primary Amines: Chemoselective N-Coordination to Nickel To Give the First Structurally Characterised Primary Amine–Organonickel Complexes. European Journal of Inorganic Chemistry, 2010, 2010, 403-409.	2.0	6
44	Benzothiazole Nickelation: An Obstacle to the Catalytic Arylation of Azoles by Cyclopentadienyl Nickel N-Heterocyclic Carbene Complexes. Catalysts, 2019, 9, 76.	3.5	6
45	Polydopamine film coating on polyurethane foams as efficient "sunscreen― Application to photocatalysis under UV irradiation. Environmental Technology and Innovation, 2021, 23, 101618.	6.1	6
46	One-step synthesis of a highly homogeneous SBA–NHC hybrid material: en route to single-site NHC–metal heterogeneous catalysts with high loadings. Dalton Transactions, 2014, 43, 3722.	3.3	5
47	An efficient bioâ€inspired catalytic tool for hydrogen release at room temperature from a stable borohydride solution. International Journal of Energy Research, 2020, 44, 10612-10627.	4.5	5
48	A double salt with remarkable supramolecular channels: Synthesis and crystal structure of bis[1,3-dimesitylimidazolium]tetrachloronickelate(II)–[1,3-dimesitylimidazolium]chloride, which contains substituted imidazolium cations, and both tetrachloronickelate(II) and chloride anions. Polyhedron, 2015, 87, 398-402.	2.2	3
49	N′-Activation of N-Arylimidazoles: Facile Syntheses of N-Alkyl-N′-arylÂɨmidazolium Iodides from Less Expensive Chloro Substrates. Synthesis, 2009, 2009, 1647-1650.	2.3	2