

Vincent Ritleng

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ru-, Rh-, and Pd-Catalyzed C-H Bond Formation Involving C-H Activation and Addition on Unsaturated Substrates: Reactions and Mechanistic Aspects. <i>Chemical Reviews</i> , 2002, 102, 1731-1770.	23.0	1,880
2	Nickel N-Heterocyclic Carbene-Catalyzed C-Heteroatom Bond Formation, Reduction, and Oxidation: Reactions and Mechanistic Aspects. <i>ACS Catalysis</i> , 2016, 6, 890-906.	5.5	194
3	Molybdenum Triamidoamine Complexes that Contain Hexa-tert-butylterphenyl, Hexamethylterphenyl, or <i>o</i> -Bromohexaisopropylterphenyl Substituents. An Examination of Some Catalyst Variations for the Catalytic Reduction of Dinitrogen. <i>Journal of the American Chemical Society</i> , 2004, 126, 6150-6163.	6.6	186
4	Hydrocarbyl Ligand Transformations on Heterobimetallic Complexes. <i>Chemical Reviews</i> , 2007, 107, 797-858.	23.0	176
5	Dynamic Kinetic Resolution of Racemic 1,2-Haloalcohols: Direct Access to Enantioenriched Epoxides. <i>Journal of the American Chemical Society</i> , 2008, 130, 13508-13509.	6.6	149
6	An Effective Route to Cycloruthenated N-Ligands under Mild Conditions. <i>Organometallics</i> , 1999, 18, 2390-2394.	1.1	146
7	Nickel N-Heterocyclic Carbene-Catalyzed C-C Bond Formation: Reactions and Mechanistic Aspects. <i>ACS Catalysis</i> , 2015, 5, 1283-1302.	5.5	137
8	Cycloruthenated Primary and Secondary Amines as Efficient Catalyst Precursors for Asymmetric Transfer Hydrogenation. <i>Organic Letters</i> , 2005, 7, 1247-1250.	2.4	106
9	Hydrosilylation of Aldehydes and Ketones Catalyzed by an N-Heterocyclic Carbene-Nickel Hydride Complex under Mild Conditions. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2619-2624.	2.1	96
10	Half-sandwich NHC-nickel(ii) complexes as pre-catalysts for the fast Suzuki coupling of aryl halides: a comparative study. <i>Dalton Transactions</i> , 2010, 39, 8153.	1.6	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. <i>Organometallics</i> , 2012, 31, 2829-2840.	1.1	79
12	Synthesis, Structure, and Solution Dynamics of Pentamethylcyclopentadienyl Nickel Complexes Bearing N-Heterocyclic Carbene Ligands. <i>Organometallics</i> , 2008, 27, 4223-4228.	1.1	71
13	C-H Activation of Acetonitrile at Nickel: Ligand Flip and Conversion of N-Bound Acetonitrile into a C-Bound Cyanomethyl Ligand. <i>Journal of the American Chemical Society</i> , 2010, 132, 13588-13589.	6.6	67
14	Fast Racemisation of Chiral Amines and Alcohols by Using Cationic Half-Sandwich Ruthena- and Iridacycle Catalysts. <i>Chemistry - A European Journal</i> , 2009, 15, 12780-12790.	1.7	60
15	From acetone metalation to the catalytic 1,4-arylation of acyclic ketones with NHC-nickel(ii) complexes. <i>Chemical Communications</i> , 2014, 50, 4624-4627.	2.2	60
16	Synthesis and Structural Characterization of Half-Sandwich Nickel Complexes Bearing Two Different N-Heterocyclic Carbene Ligands. <i>Organometallics</i> , 2011, 30, 6685-6691.	1.1	59
17	Intramolecular Nitrile C-H Bond Activation in Nickel NHC Complexes: A Route to New Nickelacycles. <i>Organometallics</i> , 2011, 30, 3400-3411.	1.1	52
18	Cyclopentadienyl N-heterocyclic carbene-nickel complexes as efficient pre-catalysts for the hydrosilylation of imines. <i>Catalysis Science and Technology</i> , 2013, 3, 3111.	2.1	41

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19	Polydopamine-coated open cell polyurethane foams as an inexpensive, flexible yet robust catalyst support: a proof of concept. <i>Chemical Communications</i> , 2016, 52, 4691-4693.	2.2	41
20	Double Metalation of Acetone by a Nickel–NHC Complex: Trapping of an Oxyallyl Ligand at a Dinickel Center. <i>Organometallics</i> , 2011, 30, 6495-6498.	1.1	40
21	Preparation of a N-Heterocyclic Carbene Nickel(II) Complex. <i>Synthetic Experiments in Current Organic and Organometallic Chemistry. Journal of Chemical Education</i> , 2008, 85, 1646.	1.1	37
22	Ruthenacycles and Iridacycles as Catalysts for Asymmetric Transfer Hydrogenation and Racemisation. <i>Topics in Catalysis</i> , 2010, 53, 1002-1008.	1.3	35
23	Optically Active Ortho-Metalated Half-Sandwich Ruthenium Complexes: A Solid-State NMR as a Convenient Tool To Analyze Mixtures of Diastereomers. <i>Inorganic Chemistry</i> , 2001, 40, 5117-5122.	1.9	33
24	Unsaturated dinickel–molybdenum clusters with N-heterocyclic carbene ligands. <i>Dalton Transactions</i> , 2008, , 1973.	1.6	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. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 79-85.	3.3	27
26	Facile displacement of η^5 -cyclopentadienyl ligands from half-sandwich alkyl,NHC–nickel complexes: an original route to robust cis-C,C-nickel square planar complexes. <i>Chemical Communications</i> , 2013, 49, 6424.	2.2	25
27	Hydroboration of Alkenes Catalysed by a Nickel–N-Heterocyclic Carbene Complex: Reaction and Mechanistic Aspects. <i>Chemistry - A European Journal</i> , 2020, 26, 8916-8925.	1.7	24
28	Cycloruthenated tertiary amines and ethylene: further insight to the Ru-mediated olefin–aryl coupling reaction. <i>Chemical Communications</i> , 2000, , 129-130.	2.2	21
29	Synthesis, characterization, and catalytic application in aldehyde hydrosilylation of half-sandwich nickel complexes bearing η^1 -C</i>- and hemilabile η^2 -C</i>S</i>-thioether-functionalised NHC ligands. <i>Dalton Transactions</i> , 2018, 47, 17134-17145.	1.6	21
30	CO ₂ Capture by Hydroxylated Azine-Based Covalent Organic Frameworks. <i>Chemistry - A European Journal</i> , 2021, 27, 8048-8055.	1.7	21
31	Ruthenacycles and Iridacycles as Transfer Hydrogenation Catalysts. <i>Molecules</i> , 2021, 26, 4076.	1.7	21
32	Nickel(II) Complexes of Highly σ -Donating Cyclic (Alkyl)(Amino)- and Malonate-Carbenes: Syntheses and Catalytic Studies. <i>Organometallics</i> , 2017, 36, 1113-1121.	1.1	20
33	Reaction between Ethylene and Cycloruthenated Tertiary Amines: A Stoichiometric Olefin Arylation and Stereospecific One-Carbon-Atom Insertion. <i>Organometallics</i> , 2003, 22, 347-354.	1.1	18
34	Design, Synthesis and Characterization of Nickel-Functionalized Covalent Organic Framework NiCl@RIO-2 for Heterogeneous Suzuki–Miyaura Catalysis. <i>Chemistry - A European Journal</i> , 2020, 26, 2051-2059.	1.7	18
35	Displacement of η^5 -cyclopentadienyl ligands from half-sandwich η^5 -C</i>C</i>-NHC-cyanoalkyl nickel metallacycles: further insight into the structure of the resulting Cp-free nickelacycles and a catalytic activity study. <i>Dalton Transactions</i> , 2018, 47, 1535-1547.	1.6	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]. <i>Journal of Organometallic Chemistry</i> , 2016, 808, 57-62.	0.8	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. <i>Comptes Rendus Chimie</i> , 2002, 5, 467-472.	0.2	11
38	Coating of polydopamine on polyurethane open cell foams to design soft structured supports for molecular catalysts. <i>Chemical Communications</i> , 2019, 55, 11960-11963.	2.2	11
39	Half-sandwich Nickel(II) NHC-Picolyl Complexes as Catalysts for the Hydrosilylation of Carbonyl Compounds: Evidence for NHC-Nickel Nanoparticles under Harsh Reaction Conditions. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3074-3082.	1.0	10
40	Borohydride-functionalized polydopamine-coated open cell polyurethane foam as a reusable soft structured material for reduction reactions: Application to the removal of a dye. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, 329-335.	1.3	9
41	Formation of a Ruthenium-Arene Complex, Cyclometallation with a Substituted Benzylamine, and Insertion of an Alkyne. <i>Journal of Chemical Education</i> , 2007, 84, 1014.	1.1	8
42	Palladium Nanosheet-Carbon Black Powder Composites for Selective Hydrogenation of Alkynes to Alkenes. <i>ACS Applied Nano Materials</i> , 2021, 4, 2265-2277.	2.4	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. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 403-409.	1.0	6
44	Benzothiazole Nickelation: An Obstacle to the Catalytic Arylation of Azoles by Cyclopentadienyl Nickel N-Heterocyclic Carbene Complexes. <i>Catalysts</i> , 2019, 9, 76.	1.6	6
45	Polydopamine film coating on polyurethane foams as efficient sunscreen: Application to photocatalysis under UV irradiation. <i>Environmental Technology and Innovation</i> , 2021, 23, 101618.	3.0	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. <i>Dalton Transactions</i> , 2014, 43, 3722.	1.6	5
47	An efficient bio-inspired catalytic tool for hydrogen release at room temperature from a stable borohydride solution. <i>International Journal of Energy Research</i> , 2020, 44, 10612-10627.	2.2	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. <i>Polyhedron</i> , 2015, 87, 398-402.	1.0	3
49	N ² -Activation of N-Arylimidazoles: Facile Syntheses of N-Alkyl-N ² -arylimidazolium Iodides from Less Expensive Chloro Substrates. <i>Synthesis</i> , 2009, 2009, 1647-1650.	1.2	2