Ricardo Rodriguez

List of Publications by Year
in descending order

50 papers	1,750 citations	236833 25 h-index	289141 40 g-index
59 all docs	59 docs citations	59 times ranked	1030 citing authors

#	Article	IF	Citations
1	Synthesis of a Stable Disilyne Bisphosphine Adduct and Its Nonâ€Metalâ€Mediated CO₂ Reduction to CO. Angewandte Chemie - International Edition, 2011, 50, 1092-1096.	7.2	122
2	Enantioselective 1,3-Dipolar Cycloaddition of Nitrones to Methacrolein Catalyzed by (Î·5-C5Me5)M{(R)-Prophos} Containing Complexes (M = Rh, Ir; (R)-Prophos =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (1,2-bis(Diph Chemical Society, 2005, 127, 13386-13398.	6.6	103
3	Reversible Binding of Ethylene to Silyleneâ€“Phosphine Complexes at Room Temperature. Angewandte Chemie - International Edition, 2011, 50, 10414-10416.	7.2	94
4	Synthesis of a Phosphineâ€Stabilized Silicon(II) Hydride and Its Addition to Olefins: A Catalystâ€Free Hydrosilylation Reaction. Angewandte Chemie - International Edition, 2011, 50, 11492-11495.	7.2	88
5	The Complete Characterization of a Rhodium Lewis Acidâ^'Dipolarophile Complex as an Intermediate for the Enantioselective Catalytic 1,3-Dipolar Cycloaddition ofC,N-Diphenylnitrone to Methacrolein. Journal of the American Chemical Society, 2004, 126, 2716-2717.	6.6	77
6	Synthesis of a Donorâ€Stabilized Silacyclopropanâ€1â€one. Angewandte Chemie - International Edition, 2013, 52, 4426-4430.	7.2	71
7	A Baseâ€Stabilized Silaâ€Î²â€Lactone and a Donor/Acceptorâ€Stabilized Silanoic Acid. Angewandte Chemie - International Edition, 2013, 52, 8980-8983.	7.2	66
8	Synthesis and Characterization of an Isolable Baseâ€Stabilized Silacyclopropâ€1â€ylidene. Angewandte Chemie - International Edition, 2012, 51, 7158-7161.	7.2	63
9	Silacyclopropylideneplatinum(0) Complex as a Robust and Efficient Hydrosilylation Catalyst. Inorganic Chemistry, 2016, 55, 8234-8240.	1.9	61
10	Nucleophilic Silylenoid Character of Stable Phosphonium Silaâ€“ylides. Chemistry - A European Journal, 2010, 16, 8255-8258.	1.7	45
11	A Stable Monomeric SiO₂ Complex with Donorâ€“Acceptor Ligands. Angewandte Chemie - International Edition, 2017, 56, 3935-3939.	7.2	38
12	Asymmetric 1,3â€Dipolar Cycloaddition Reaction between Î±,Î²â€Unsaturated Aldehydes and Nitrones Catalyzed by Wellâ€Defined Iridium or Rhodium Catalysts. Advanced Synthesis and Catalysis, 2007, 349, 1751-1758.	2.1	37
13	Donor-Stabilized Silacyclobutanone: A Precursor of 1-Silaketene via Retro-[2 + 2]-Cycloaddition Reaction at Room Temperature. Journal of the American Chemical Society, 2016, 138, 2965-2968.	6.6	36
14	Halfâ€Sandwich Rhodium (and Iridium) Complexes as Enantioselective Catalysts for the 1,3â€Dipolar Cycloaddition of 3,4â€Dihydroisoquinoline Nâ€Oxide to Methacrylonitrile. Chemistry - A European Journal, 2007, 13, 9746-9756.	1.7	31
15	Diastereoselective Synthesis of Bulky, Strongly Nucleophilic, and Configurationally StableP-Stereogenic Tricyclic Phosphines. Journal of the American Chemical Society, 2010, 132, 12841-12843.	6.6	29
16	Donor/Acceptorâ€Stabilized 1â€Silaketene: Reversible [2+2] Cycloaddition with Pyridine and Evolution by an Olefin Metathesis Reaction. Chemistry - A European Journal, 2016, 22, 10247-10253.	1.7	29
17	Metal as Source of Chirality in Octahedral Complexes with Tripodal Tetradentate Ligands. Journal of the American Chemical Society, 2018, 140, 912-915.	6.6	29
18	Reversible Silylene Insertion Reactions into Siâ^'H and Pâ^'H Ïƒâ€Bonds at Room Temperature. Angewandte Chemie - International Edition, 2016, 55, 14355-14358.	7.2	27

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19	A Stable Silene Substituted by Strong Ï€â€Donors at the Silicon Center. Angewandte Chemie - International Edition, 2013, 52, 10840-10844.	7.2	26
20	Reversible Dimerization of Phosphineâ€Stabilized Silylenes by Silylene Insertion into Si^{II}â€“H and Si^{II}â€“Cl Ïƒâ€Bonds at Room Temperature. Angewandte Chemie - International Edition, 2015, 54, 15276-15279.	7.2	26
21	Pentamethylcyclopentadienyl-iridium(iii) complexes with pyridylamino ligands: synthesis and applications as asymmetric catalysts for Dielsâ€“Alder reactions. Dalton Transactions, 2007, , 1911-1921.	1.6	25
22	Reversible Insertion of Unactivated Alkenes into Silicon(II)â€“Tin Bonds. Angewandte Chemie - International Edition, 2013, 52, 8437-8440.	7.2	25
23	Chiral transition-metal complexes as BrÃ¸nsted-acid catalysts for the asymmetric Friedelâ€“Crafts hydroxyalkylation of indoles. Dalton Transactions, 2014, 43, 11260-11268.	1.6	23
24	A Stable Monomeric SiO₂ Complex with Donorâ€“Acceptor Ligands. Angewandte Chemie, 2017, 129, 3993-3997.	1.6	23
25	Temperature Dual Enantioselective Control in a Rhodiumâ€Catalyzed Michaelâ€Type Friedelâ€“Crafts Reaction: A Mechanistic Explanation. Chemistry - A European Journal, 2016, 22, 11064-11083.	1.7	22
26	Asymmetric 1,3-dipolar cycloaddition reaction of Î±,Î²-unsaturated nitriles with nitrones catalyzed by chiral-at-metal rhodium or iridium complexes. Tetrahedron: Asymmetry, 2009, 20, 1197-1205.	1.8	21
27	Chiral BrÃ¸nsted Acid Catalysts. Activation of Methyl 3,3,3-Trifluoropyruvate by Hydroxymethylpyridine-Containing Half-Sandwich Complexes. Organometallics, 2014, 33, 4016-4026.	1.1	21
28	Reversible CO₂ Addition to a Si=O Bond and Synthesis of a Persistent SiO₂â€“CO₂ Cycloadduct Stabilized by a Lewis Donorâ€“Acceptor Ligand. Angewandte Chemie - International Edition, 2018, 57, 2635-2638.	7.2	20
29	Chiral pyridylamino-ruthenium(ii) complexes: synthesis, structure and catalytic properties in Dielsâ€“Alder reactions. Dalton Transactions, 2008, , 3328.	1.6	19
30	Areneâ€“Ruthenium Chemistry and BrÃ¸nsted Acid Catalysis of a Chiral Phosphane-Hydroxyl Ligand. Organometallics, 2014, 33, 616-619.	1.1	18
31	Complete Characterization of a Chiral Lewis Acidâˆ’Product Complex for the Enantioselective Dielsâˆ’Alder Reaction between Methacrolein and Cyclopentadiene:â€‰ Mechanistic Considerations. Organometallics, 2007, 26, 6493-6496.	1.1	15
32	Reversible Activation of Water by an Airâ€and Moistureâ€Stable Frustrated Rhodium Nitrogen Lewis Pair. Chemistry - A European Journal, 2019, 25, 13665-13670.	1.7	15
33	Stereospecific control of the metal-centred chirality of rhodium(<scp>iii</scp>) and iridium(<scp>iii</scp>) complexes bearing tetradentate CNNâ€²P ligands. Dalton Transactions, 2017, 46, 7332-7350.	1.6	14
34	Reversible CO₂ Addition to a Si=O Bond and Synthesis of a Persistent SiO₂â€“CO₂ Cycloadduct Stabilized by a Lewis Donorâ€“Acceptor Ligand. Angewandte Chemie, 2018, 130, 2665-2668.	1.6	14
35	Reversible Silylene Insertion Reactions into Siâˆ’H and Pâˆ’H Ïƒâ€Bonds at Room Temperature. Angewandte Chemie, 2016, 128, 14567-14570.	1.6	13
36	Mechanism of the Alkylation of Indoles with Nitrostyrenes Catalyzed by Chiral-at-Metal Complexes. Organometallics, 2019, 38, 988-995.	1.1	13

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37	Metalâ€“Nitroalkene and aci-Nitro Intermediates in Catalytic Enantioselective Friedelâ€“Crafts Reactions of Indoles with trans-Î²-Nitrostyrenes. Organometallics, 2014, 33, 443-446.	1.1	11
38	Half-sandwich complexes of osmium containing guanidine-derived ligands. Dalton Transactions, 2020, 49, 13601-13617.	1.6	10
39	Reactivity of the Chiral Metallic BrÅ‚nsted Acid [(Î·⁶-p-MeC₆H₄iPr)Ru(Îº³P,O,Oâ€²-POH)][SbF₆] (POH =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 657 Td ((S_{C1},R_{C2})-Ph₂	1.1	9
40	The Stepwise Reaction of Rhodium and Iridium Complexes of Formula [MCl₂(Îº⁴C,N,Nâ€²,Pâ€™L)] with Silver Cations: A Case of transâ€Influence and Chiral Selfâ€Recognition. Chemistry - A European Journal, 2017, 23, 14532-14546.	1.7	7
41	En Route to Chiral-at-Metal Ruthenium Complexes Containing Tripodal Tetradentate Ligands. Organometallics, 2018, 37, 3450-3464.	1.1	7
42	Hydroxymethylpyridine containing half-sandwich complexes of Rh(iii), Ir(iii) or Ru(ii). Dalton Transactions, 2014, 43, 15546-15559.	1.6	5
43	Asymmetric 1,3-dipolar cycloaddition reactions between enals and nitrones catalysed by half-sandwich rhodium or iridium diphosphane complexes. Catalysis Science and Technology, 2015, 5, 2460-2466.	2.1	5
44	Half-sandwich complexes of iridium and ruthenium containing cysteine-derived ligands. Dalton Transactions, 2017, 46, 962-976.	1.6	4
45	Half-sandwich complexes of rhodium containing cysteine-derived ligands. Dalton Transactions, 2016, 45, 14203-14215.	1.6	3
46	Strained Ruthenium Complexes Bearing Tridentate Guanidineâ€Derived Ligands. Helvetica Chimica Acta, 2021, 104, e2100044.	1.0	3
47	Catalytic Enantioselective Alkylation of Indoles with trans-4-Methylthio-Î²-Nitrostyrene. ACS Omega, 2020, 5, 27978-27989.	1.6	2
48	Intra- and inter-molecular interactions for the understanding of stereoselective catalytic properties of chiral metal complexes. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s117-s117.	0.0	0
49	Frontispiece: Reversible Activation of Water by an Airâ€and Moistureâ€Stable Frustrated Rhodium Nitrogen Lewis Pair. Chemistry - A European Journal, 2019, 25, .	1.7	0
50	Structural differences in enantiopure and racemate organometallic complexes. Application to [(Î·5-C5Me5)RhCl(PN)]+n complexes. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s122-s122.	0.0	0