

Ricardo Rodriguez

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,750
citations

236833

25
h-index

289141

40
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59
all docs

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docs citations

59
times ranked

1030
citing authors

#	ARTICLE	IF	CITATIONS
1	Strained Ruthenium Complexes Bearing Tridentate Guanidine-derived Ligands. <i>Helvetica Chimica Acta</i> , 2021, 104, e2100044.	1.0	3
2	Half-sandwich complexes of osmium containing guanidine-derived ligands. <i>Dalton Transactions</i> , 2020, 49, 13601-13617.	1.6	10
3	Catalytic Enantioselective Alkylation of Indoles with <i>trans</i> -4-Methylthio-1 ² -Nitrostyrene. <i>ACS Omega</i> , 2020, 5, 27978-27989.	1.6	2
4	Reversible Activation of Water by an Air- and Moisture-Stable Frustrated Rhodium Nitrogen Lewis Pair. <i>Chemistry - A European Journal</i> , 2019, 25, 13665-13670.	1.7	15
5	Frontispiece: Reversible Activation of Water by an Air- and Moisture-Stable Frustrated Rhodium Nitrogen Lewis Pair. <i>Chemistry - A European Journal</i> , 2019, 25, .	1.7	0
6	Mechanism of the Alkylation of Indoles with Nitrostyrenes Catalyzed by Chiral-at-Metal Complexes. <i>Organometallics</i> , 2019, 38, 988-995.	1.1	13
7	Reversible CO ₂ Addition to a Si=O Bond and Synthesis of a Persistent SiO ₂ -CO ₂ Cycloadduct Stabilized by a Lewis Donor-Acceptor Ligand. <i>Angewandte Chemie</i> , 2018, 130, 2665-2668.	1.6	14
8	Reversible CO ₂ Addition to a Si=O Bond and Synthesis of a Persistent SiO ₂ -CO ₂ Cycloadduct Stabilized by a Lewis Donor-Acceptor Ligand. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2635-2638.	7.2	20
9	Metal as Source of Chirality in Octahedral Complexes with Tripodal Tetradentate Ligands. <i>Journal of the American Chemical Society</i> , 2018, 140, 912-915.	6.6	29
10	En Route to Chiral-at-Metal Ruthenium Complexes Containing Tripodal Tetradentate Ligands. <i>Organometallics</i> , 2018, 37, 3450-3464.	1.1	7
11	A Stable Monomeric SiO ₂ Complex with Donor-Acceptor Ligands. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3935-3939.	7.2	38
12	Stereospecific control of the metal-centred chirality of rhodium(λ^3) and iridium(λ^3) complexes bearing tetradentate CNN ² P ligands. <i>Dalton Transactions</i> , 2017, 46, 7332-7350.	1.6	14
13	A Stable Monomeric SiO ₂ Complex with Donor-Acceptor Ligands. <i>Angewandte Chemie</i> , 2017, 129, 3993-3997.	1.6	23
14	Half-sandwich complexes of iridium and ruthenium containing cysteine-derived ligands. <i>Dalton Transactions</i> , 2017, 46, 962-976.	1.6	4
15	The Stepwise Reaction of Rhodium and Iridium Complexes of Formula [MCl ₂ (λ^4 -C,N, <i>trans</i> -influence and Chiral Self-Recognition. <i>Chemistry - A European Journal</i> , 2017, 23, 14532-14546.	1.7	7
16	Donor/Acceptor-Stabilized 1 ⁵ -Silaketene: Reversible [2+2] Cycloaddition with Pyridine and Evolution by an Olefin Metathesis Reaction. <i>Chemistry - A European Journal</i> , 2016, 22, 10247-10253.	1.7	29
17	Temperature Dual Enantioselective Control in a Rhodium-Catalyzed Michael-Type Friedel-Crafts Reaction: A Mechanistic Explanation. <i>Chemistry - A European Journal</i> , 2016, 22, 11064-11083.	1.7	22
18	Silacyclopropylideneplatinum(0) Complex as a Robust and Efficient Hydrosilylation Catalyst. <i>Inorganic Chemistry</i> , 2016, 55, 8234-8240.	1.9	61

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19	Half-sandwich complexes of rhodium containing cysteine-derived ligands. Dalton Transactions, 2016, 45, 14203-14215.	1.6	3
20	Reversible Silylene Insertion Reactions into Si ^{III} -H and P ^{III} -H σ-Bonds at Room Temperature. Angewandte Chemie, 2016, 128, 14567-14570.	1.6	13
21	Reversible Silylene Insertion Reactions into Si ^{III} -H and P ^{III} -H σ-Bonds at Room Temperature. Angewandte Chemie - International Edition, 2016, 55, 14355-14358.	7.2	27
22	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
23	Structural differences in enantiopure and racemate organometallic complexes. Application to [(⁵ -C ₅ Me ₅)RhCl(PN)] _n complexes. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s122-s122.	0.0	0
24	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
25	Reversible Dimerization of Phosphine-Stabilized Silylenes by Silylene Insertion into Si ^{II} -H and Si ^{II} -Cl σ-Bonds at Room Temperature. Angewandte Chemie - International Edition, 2015, 54, 15276-15279.	7.2	26
26	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
27	Reactivity of the Chiral Metallic Brønsted Acid [(⁶ - <i>p</i> -MeC ₆ H ₄) ₃ Pr)Ru(³ - <i>P</i> , <i>O</i> , <i>O</i> - POH)] [S ₂ (POH =)] Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 417 Td ((<i>S</i> -C ₁ , <i>R</i> -C ₂)-Ph ₂) toward Aluminates. Organometallics, 2014, 33, 6927-6936.		
28	Metal-Nitroalkene and <i>trans</i> - ^{1,2} -Nitrostyrenes in Catalytic Enantioselective Friedel-Crafts Reactions of Indoles with <i>trans</i> - ^{1,2} -Nitrostyrenes. Organometallics, 2014, 33, 443-446.	1.1	11
29	Chiral Brønsted Acid Catalysts. Activation of Methyl 3,3,3-Trifluoropyruvate by Hydroxymethylpyridine-Containing Half-Sandwich Complexes. Organometallics, 2014, 33, 4016-4026.	1.1	21
30	Chiral transition-metal complexes as Brønsted-acid catalysts for the asymmetric Friedel-Crafts hydroxyalkylation of indoles. Dalton Transactions, 2014, 43, 11260-11268.	1.6	23
31	Hydroxymethylpyridine containing half-sandwich complexes of Rh(III), Ir(III) or Ru(II). Dalton Transactions, 2014, 43, 15546-15559.	1.6	5
32	Arene-Ruthenium Chemistry and Brønsted Acid Catalysis of a Chiral Phosphane-Hydroxyl Ligand. Organometallics, 2014, 33, 616-619.	1.1	18
33	Synthesis of a Donor-Stabilized Silacyclopropanone. Angewandte Chemie - International Edition, 2013, 52, 4426-4430.	7.2	71
34	Reversible Insertion of Unactivated Alkenes into Silicon(II)-Tin Bonds. Angewandte Chemie - International Edition, 2013, 52, 8437-8440.	7.2	25
35	A Stable Silene Substituted by Strong σ-Donors at the Silicon Center. Angewandte Chemie - International Edition, 2013, 52, 10840-10844.	7.2	26
36	A Base-Stabilized Silanone-Lactone and a Donor/Acceptor-Stabilized Silanoic Acid. Angewandte Chemie - International Edition, 2013, 52, 8980-8983.	7.2	66

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37	Synthesis and Characterization of an Isolable Base-Stabilized Silacyclopropylidene. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7158-7161.	7.2	63
38	Synthesis of a Stable Disilyne Bisphosphine Adduct and Its Non-Metal-Mediated CO ₂ Reduction to CO. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1092-1096.	7.2	122
39	Reversible Binding of Ethylene to Silylene-Phosphine Complexes at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10414-10416.	7.2	94
40	Synthesis of a Phosphine-Stabilized Silicon(II) Hydride and Its Addition to Olefins: A Catalyst-Free Hydrosilylation Reaction. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11492-11495.	7.2	88
41	Nucleophilic Silylenoid Character of Stable Phosphonium Sila-ylides. <i>Chemistry - A European Journal</i> , 2010, 16, 8255-8258.	1.7	45
42	Diastereoselective Synthesis of Bulky, Strongly Nucleophilic, and Configurationally Stable P-Stereogenic Tricyclic Phosphines. <i>Journal of the American Chemical Society</i> , 2010, 132, 12841-12843.	6.6	29
43	Asymmetric 1,3-dipolar cycloaddition reaction of $\hat{1},\hat{2}$ -unsaturated nitriles with nitrones catalyzed by chiral-at-metal rhodium or iridium complexes. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 1197-1205.	1.8	21
44	Chiral pyridylamino-ruthenium(ii) complexes: synthesis, structure and catalytic properties in Diels-Alder reactions. <i>Dalton Transactions</i> , 2008, , 3328.	1.6	19
45	Complete Characterization of a Chiral Lewis Acid-Product Complex for the Enantioselective Diels-Alder Reaction between Methacrolein and Cyclopentadiene: Mechanistic Considerations. <i>Organometallics</i> , 2007, 26, 6493-6496.	1.1	15
46	Pentamethylcyclopentadienyl-iridium(iii) complexes with pyridylamino ligands: synthesis and applications as asymmetric catalysts for Diels-Alder reactions. <i>Dalton Transactions</i> , 2007, , 1911-1921.	1.6	25
47	Half-Sandwich Rhodium (and Iridium) Complexes as Enantioselective Catalysts for the 1,3-Dipolar Cycloaddition of 3,4-Dihydroisoquinoline N-Oxide to Methacrylonitrile. <i>Chemistry - A European Journal</i> , 2007, 13, 9746-9756.	1.7	31
48	Asymmetric 1,3-Dipolar Cycloaddition Reaction between $\hat{1},\hat{2}$ -Unsaturated Aldehydes and Nitrones Catalyzed by Well-Defined Iridium or Rhodium Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 1751-1758.	2.1	37
49	Enantioselective 1,3-Dipolar Cycloaddition of Nitrones to Methacrolein Catalyzed by $(\hat{1}-5-C5Me5)M\{(R)-Prophos\}$ Containing Complexes (M = Rh, Ir; (R)-Prophos = Tj ETQq1 1 0.784314 rgBT /Overlock_10 Tf 50 262 Td ($\hat{1}$)). <i>Journal of the American Chemical Society</i> , 2005, 127, 13386-13398.	6.6	103
50	The Complete Characterization of a Rhodium Lewis Acid-Dipolarophile Complex as an Intermediate for the Enantioselective Catalytic 1,3-Dipolar Cycloaddition of C,N-Diphenylnitrone to Methacrolein. <i>Journal of the American Chemical Society</i> , 2004, 126, 2716-2717.	6.6	77