Jesus Campos

List of Publications by Year
in descending order

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91 papers	2,868 citations	172457 29 h-index	189892 50 g-index
104 all docs	104 docs citations	104 times ranked	2807 citing authors

#	Article	IF	Citations
1	Supported Ïƒâ€Complexes of Liâ^'C Bonds from Coordination of Monomeric Molecules of LiCH 3 , LiCH 2 CH 3 and LiC 6 H 5 to Moâ‰£Mo Bonds. Angewandte Chemie, 2022, 134, .	2.0	0
2	Frustrated Lewis Pair Systems. , 2022, , .		0
3	Dicoordinate Au(I)â€"Ethylene Complexes as Hydroamination Catalysts. ACS Catalysis, 2022, 12, 4227-4241.	11.2	15
4	Unmasking the constitution and bonding of the proposed lithium nickelate â€œLi₃NiPh₃(solv)₃â€• revealing the hidden C₆H₄ligand. Chemical Science, 2022, 13, 5268-5276.	7.4	8
5	Mechanistic Investigations on Hydrogenation, Isomerization and Hydrosilylation Reactions Mediated by a Germylâ€Rhodium System. ChemCatChem, 2022, 14, .	3.7	5
6	Cover Feature: Mechanistic Investigations on Hydrogenation, Isomerization and Hydrosilylation Reactions Mediated by a Germylâ€Rhodium System (ChemCatChem 15/2022). ChemCatChem, 2022, 14, .	3.7	0
7	Coordination of Eâ€"C Bonds (E = Zn, Mg, Al) and the Znâ€"H Bonds of (C₅Me₅)ZnH and (C₅Me₅)ZnZnH across a Quadruply Bonded Dimolybdenum Dihydride Complex. Organometallics, 2022, 41, 3225-3236.	2.3	3
8	Bimetallic frustrated Lewis pairs. Advances in Organometallic Chemistry, 2021, , 95-148.	1.0	4
9	Reductive Câ€"C Coupling from Molecular Au(I) Hydrocarbyl Complexes: A Mechanistic Study. Journal of the American Chemical Society, 2021, 143, 2509-2522.	13.7	7
10	Experimental and Computational Studies on Quadruply Bonded Dimolybdenum Complexes with Terminal and Bridging Hydride Ligands. Chemistry - A European Journal, 2021, 27, 6569-6578.	3.3	6
11	Coordination of LiH Molecules to Moâ‰£Mo Bonds: Experimental and Computational Studies on Mo₂LiH₂, Mo₂Li₂H₄, and Mo₆Li₉H₁₈ Clusters. Journal of the American Chemical Society, 2021, 143, 5222-5230.	13.7	7
12	Reactivity of [Pt(P^tBu₃)₂] with Zinc(I/II) Compounds: Bimetallic Adducts, Znâ€"Zn Bond Cleavage, and Cooperative Reactivity. Organometallics, 2021, 40, 1113-1119.	2.3	18
13	Controlling Catenation in Germanium(I) Chemistry through Hemilability. Angewandte Chemie - International Edition, 2021, 60, 15606-15612.	13.8	12
14	Controlling Catenation in Germanium(I) Chemistry through Hemilability. Angewandte Chemie, 2021, 133, 15734-15740.	2.0	6
15	Cooperativity in Transition Metal Tetrylene Complexes. European Journal of Inorganic Chemistry, 2021, 2021, 3488-3498.	2.0	40
16	Isomerization of a cationic (Î·5-C5Me5)Ir(III) complex involving remote Câ€"C and Câ€"H bond formation. Polyhedron, 2021, 207, 115363.	2.2	2
17	A dicoordinate gold(<scp>i</scp>)â€"ethylene complex. Chemical Communications, 2021, 57, 9280-9283.	4.1	12
18	Dehydrogenative Double Câ^'H Bond Activation in a Germyleneâ€Rhodium Complex**. Chemistry - A European Journal, 2021, 27, 16422-16428.	3.3	10

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19	Frustrated Lewis Pairs Based on Transition Metals. Molecular Catalysis, 2021, , 319-359.	1.3	2
20	Supported Ïƒâ€Complexes of Liâ^'C Bonds from Coordination of Monomeric Molecules of LiCH 3 , LiCH 2 CH 3 and LiC 6 H 5 to Moâ‰£Mo Bonds. Angewandte Chemie - International Edition, 2021, , e202116009.	13.8	8
21	Activation of Protic, Hydridic and Apolar Eâ^'H Bonds by a Borylâ€Substituted Ge^{II} Cation. Chemistry - A European Journal, 2020, 26, 306-315.	3.3	27
22	Bimetallic cooperation across the periodic table. Nature Reviews Chemistry, 2020, 4, 696-702.	30.2	119
23	Structural Snapshots of Ï€â€Arene Bonding in a Gold Germylene Cation. Chemistry - A European Journal, 2020, 26, 15519-15523.	3.3	7
24	Mn^I complex redox potential tunability by remote lewis acid interaction. Dalton Transactions, 2020, 49, 16623-16626.	3.3	3
25	Reversible Hydride Migration from C₅Me₅ to Rh^I Revealed by a Cooperative Bimetallic Approach. Angewandte Chemie - International Edition, 2020, 59, 20863-20867.	13.8	17
26	Metalâ€only Lewis Pairs of Rhodium with s, p and dâ€Block Metals. Chemistry - A European Journal, 2020, 26, 16833-16845.	3.3	22
27	Reversible Hydride Migration from C 5 Me 5 to Rh I Revealed by a Cooperative Bimetallic Approach. Angewandte Chemie, 2020, 132, 21049-21053.	2.0	4
28	Tuning Activity and Selectivity during Alkyne Activation by Gold(I)/Platinum(0) Frustrated Lewis Pairs. Organometallics, 2020, 39, 2534-2544.	2.3	20
29	Evidence for Genuine Bimetallic Frustrated Lewis Pair Activation of Dihydrogen with Gold(I)/Platinum(0) Systems. Chemistry - A European Journal, 2020, 26, 5982-5993.	3.3	37
30	A Versatile Approach to Access Trimetallic Complexes Based on Trisphosphinite Ligands. Molecules, 2020, 25, 593.	3.8	3
31	Evidence for Genuine Bimetallic Frustrated Lewis Pair Activation of Dihydrogen with Gold(I)/Platinum(0) Systems. Chemistry - A European Journal, 2020, 26, 5915-5915.	3.3	11
32	Synthetic, structural and reaction chemistry of N-heterocyclic germylene and stannylene compounds featuringN-boryl substituents. Dalton Transactions, 2019, 48, 11951-11960.	3.3	21
33	Base-Promoted, Remote Câ€“H Activation at a Cationic (Î·⁵-C₅Me₅)Ir(III) Center Involving Reversible Câ€“C Bond Formation of Bound C₅Me₅. Journal of the American Chemical Society, 2019, 141, 2205-2210.	13.7	22
34	Evaluating stereoelectronic properties of bulky dialkylterphenyl phosphine ligands. Journal of Organometallic Chemistry, 2019, 896, 120-128.	1.8	21
35	Reactivity of a gold(<scp>i</scp>)/platinum(0) frustrated Lewis pair with germanium and tin dihalides. Dalton Transactions, 2019, 48, 9127-9138.	3.3	26
36	Cooperative activation of Xâ€“H (X = H, C, O, N) bonds by a Pt(0)/Ag(<scp>i</scp>) metal-only Lewis pair. Chemical Communications, 2019, 55, 8812-8815.	4.1	21

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37	Borylated Nâ€Heterocyclic Carbenes: Rearrangement and Chemical Trapping. Chemistry - A European Journal, 2019, 25, 2556-2568.	3.3	3
38	Dehydrogenation of alcohols and polyols from a hydrogen production perspective. ChemistrySelect, 2018, 3, .	1.5	1
39	Cationic (Î·⁵-C₅Me₄R)Rh^{III} Complexes with Metalated Aryl Phosphines Featuring Î·⁴-Phosphorus plus Pseudo-Allylic Coordination. Organometallics, 2018, 37, 11-21.	2.3	10
40	Ligand Rearrangement and Hemilability in Rhodium(I) and Iridium(I) Complexes Bearing Terphenyl Phosphanes. European Journal of Inorganic Chemistry, 2018, 2018, 2309-2321.	2.0	13
41	7. Dehydrogenation of alcohols and polyols from a hydrogen production perspective. , 2018, , 231-270.		0
42	Reactivity of a trans-[Hâ€“Moî€ƒMoâ€“H] unit towards alkenes and alkynes: bimetallic migratory insertion, H-elimination and other reactions. Chemical Communications, 2018, 54, 9186-9189.	4.1	11
43	Nâ€nacnac Stabilized Tetrelenes: Formation of an N,Pâ€Heterocyclic Germylene via Câ€“C Bond Insertion. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 1238-1242.	1.2	15
44	Dihydrogen and Acetylene Activation by a Gold(I)/Platinum(0) Transition Metal Only Frustrated Lewis Pair. Journal of the American Chemical Society, 2017, 139, 2944-2947.	13.7	106
45	The neutron diffraction structure of [Ir4(IMe)8H10]2+ polyhydride cluster: Testing the computational hydride positional assignments. Journal of Organometallic Chemistry, 2017, 849-850, 17-21.	1.8	8
46	Electronic Delocalization in Two and Three Dimensions: Differential Aggregation in Indium â€œMetalloidâ€•Clusters. Angewandte Chemie - International Edition, 2017, 56, 15098-15102.	13.8	37
47	A Combined Experimental/Computational Study of the Mechanism of a Palladiumâ€Catalyzed Boraâ€Negishi Reaction. Chemistry - A European Journal, 2017, 23, 12655-12667.	3.3	8
48	Electronic Delocalization in Two and Three Dimensions: Differential Aggregation in Indium â€œMetalloidâ€•Clusters. Angewandte Chemie, 2017, 129, 15294-15298.	2.0	14
49	An Unsaturated Fourâ€Coordinate Dimethyl Dimolybdenum Complex with a Molybdenumâ€“Molybdenum Quadruple Bond. Chemistry - A European Journal, 2017, 23, 194-205.	3.3	10
50	A full set of iridium(<scp>iv</scp>) pyridine-alkoxide stereoisomers: highly geometry-dependent redox properties. Chemical Science, 2017, 8, 1642-1652.	7.4	32
51	Synthesis, properties, and some rhodium, iridium, and platinum complexes of a series of bulky m-terphenylphosphine ligands. Polyhedron, 2016, 116, 170-181.	2.2	28
52	Reaction of [TpRh(C₂H₄)₂] with Dimethyl Acetylenedicarboxylate: Identification of Intermediates of the [2+2+2] Alkyne and Alkyneâ€“Ethylene Cyclo(co)trimerizations. Chemistry - A European Journal, 2016, 22, 13715-13723.	3.3	16
53	A stable heavier group 14 analogue of vinylidene. Nature Chemistry, 2016, 8, 1022-1026.	13.6	110
54	A Systematic Study of Structure and Eâ^'H Bond Activation Chemistry by Sterically Encumbered Germylene Complexes. Chemistry - A European Journal, 2016, 22, 11685-11698.	3.3	94

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55	Methyl Complexes of the Transition Metals. Chemistry - A European Journal, 2016, 22, 6432-6457.	3.3	23
56	Catalytic Bâ€“N Dehydrogenation Using Frustrated Lewis Pairs: Evidence for a Chain-Growth Coupling Mechanism. Journal of the American Chemical Society, 2016, 138, 3306-3309.	13.7	82
57	Reactivity of Cationic Agostic and Carbene Structures Derived from Platinum(II) Metallacycles. Chemistry - A European Journal, 2015, 21, 8883-8896.	3.3	45
58	Cobalt Boryl Complexes: Enabling and Exploiting Migratory Insertion in Baseâ€Metalâ€Mediated Borylation. Angewandte Chemie - International Edition, 2015, 54, 9586-9590.	13.8	38
59	Methyl-, Ethenyl-, and Ethynyl-Bridged Cationic Digold Complexes Stabilized by Coordination to a Bulky Terphenylphosphine Ligand. Angewandte Chemie - International Edition, 2015, 54, 15379-15384.	13.8	34
60	Catalytic Borylation using an Airâ€Stable Zinc Boryl Reagent: Systematic Access to Elusive Acylboranes. Angewandte Chemie - International Edition, 2015, 54, 14159-14163.	13.8	55
61	Excited-state hydrogen atom abstraction initiates the photochemistry of Î²-2â€²-deoxycytidine. Chemical Science, 2015, 6, 2035-2043.	7.4	17
62	Methanol Dehydrogenation by Iridium N-Heterocyclic Carbene Complexes. Inorganic Chemistry, 2015, 54, 5079-5084.	4.0	146
63	Synthesis of new heteroscorpionate iridium(<scp>i</scp>) and iridium(<scp>iii</scp>) complexes. Dalton Transactions, 2015, 44, 6987-6998.	3.3	8
64	Stable Iridium(IV) Complexes of an Oxidation-Resistant Pyridine-Alkoxide Ligand: Highly Divergent Redox Properties Depending on the Isomeric Form Adopted. Journal of the American Chemical Society, 2015, 137, 7243-7250.	13.7	51
65	Facile Reversibility by Design: Tuning Small Molecule Capture and Activation by Single Component Frustrated Lewis Pairs. Journal of the American Chemical Society, 2015, 137, 12227-12230.	13.7	75
66	Gel-assisted crystallization of [Ir₄(IMe)₇(CO)H₁₀]²⁺ and [Ir₄(IMe)₈H₉]³⁺ clusters derived from catalytic glycerol dehydrogenation. Dalton Transactions, 2015, 44, 18403-18410.	3.3	20
67	Rhodium and Iridium Complexes of Bulky Tertiary Phosphine Ligands. Searching for Isolable Cationic MIII Alkylidenes. Organometallics, 2015, 34, 2212-2221.	2.3	30
68	Living Polymerization of Ethylene and Copolymerization of Ethylene/Methyl Acrylate Using â€œSandwichâ€•Diimine Palladium Catalysts. ACS Catalysis, 2015, 5, 456-464.	11.2	163
69	Selective catalytic oxidation of sugar alcohols to lactic acid. Green Chemistry, 2015, 17, 594-600.	9.0	52
70	Co(ii), a catalyst for selective conversion of phenyl rings to carboxylic acid groups. RSC Advances, 2014, 4, 49395-49399.	3.6	6
71	Metal-free amidation of ether sp3 Câ€“H bonds with sulfonamides using PhI(OAc)2. RSC Advances, 2014, 4, 47951-47957.	3.6	23
72	Electrochemical Activation of Cp* Iridium Complexes for Electrode-Driven Water-Oxidation Catalysis. Journal of the American Chemical Society, 2014, 136, 13826-13834.	13.7	105

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73	Efficient selective and atom economic catalytic conversion of glycerol to lactic acid. Nature Communications, 2014, 5, 5084.	12.8	207
74	Distortional Effects of Noncovalent Interactions in the Crystal Lattice of a Cp*Ir(III) Acylhydroxamic Acid Complex: A Joint Experimentalâ€“Computational Study. Organometallics, 2014, 33, 4417-4424.	2.3	2
75	Hydrogen-Transfer Catalysis with Cp*Ir^{III} Complexes: The Influence of the Ancillary Ligands. ACS Catalysis, 2014, 4, 99-108.	11.2	81
76	Catalyst Activation by Loss of Cyclopentadienyl Ligands in Hydrogen Transfer Catalysis with Cp*Ir^{III} Complexes. ACS Catalysis, 2014, 4, 973-985.	11.2	68
77	A Carbeneâ€Rich but Carbonylâ€Poor [Ir₆(IMe)₈(CO)₂H₁₄]²⁺ Polyhydride Cluster as a Deactivation Product from Catalytic Glycerol Dehydrogenation. Angewandte Chemie - International Edition, 2014, 53, 12808-12811.	13.8	42
78	A Carbeneâ€Rich but Carbonylâ€Poor [Ir₆(IMe)₈(CO)₂H₁₄]²⁺ Polyhydride Cluster as a Deactivation Product from Catalytic Glycerol Dehydrogenation. Angewandte Chemie, 2014, 126, 13022-13025.	2.0	9
79	Probing the Viability of Oxo-Coupling Pathways in Iridium-Catalyzed Oxygen Evolution. Organometallics, 2013, 32, 5384-5390.	2.3	42
80	Mechanism of Hydrogenolysis of an Iridiumâ€“Methyl Bond: Evidence for a Methane Complex Intermediate. Journal of the American Chemical Society, 2013, 135, 1217-1220.	13.7	33
81	A Cationic Terminal Methylene Complex of Ir(I) Supported by a Pincer Ligand. Organometallics, 2013, 32, 3423-3426.	2.3	14
82	Cyclometalated Iridium Complexes of Bis(Aryl) Phosphine Ligands: Catalytic Câ€“H/Câ€“D Exchanges and Câ€“C Coupling Reactions. Inorganic Chemistry, 2013, 52, 6694-6704.	4.0	32
83	Cationic Ir(III) Alkylidenes Are Key Intermediates in Câ€“H Bond Activation and Câ€“C Bond-Forming Reactions. Journal of the American Chemical Society, 2012, 134, 7165-7175.	13.7	44
84	Synthesis and Reactivity of a Cationic Platinum(II) Alkylidene Complex. Angewandte Chemie - International Edition, 2012, 51, 8255-8258.	13.8	40
85	Largeâ€scale preparation and labelling reactions of deuterated silanes. Journal of Labelled Compounds and Radiopharmaceuticals, 2012, 55, 29-38.	1.0	25
86	Rhodium-Catalyzed, Efficient Deutero- and Tritiosilylation of Carbonyl Compounds from Hydrosilanes and Deuterium or Tritium. Organic Letters, 2011, 13, 5236-5239.	4.6	26
87	Synthesis and reactivity of half-sandwich (Î·5-C5Me5)Ir(iii) complexes of a cyclometallated aryl phosphine ligand. New Journal of Chemistry, 2011, 35, 2122.	2.8	14
88	Cyclometallation and Hydrogen/Deuterium Exchange Reactions of an Arylphosphine Ligand upon Coordination to {Ir(Î·⁵â€C₅Me₅)}. Chemistry - A European Journal, 2010, 16, 419-422.	3.3	21
89	A Cationic Rh(III) Complex That Efficiently Catalyzes Hydrogen Isotope Exchange in Hydrosilanes. Journal of the American Chemical Society, 2010, 132, 16765-16767.	13.7	60
90	Enhanced Dihydrogen Activation by Mononuclear Iridium(II) Compounds: A Mechanistic Study. Angewandte Chemie - International Edition, 0, , .	13.8	2

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91	Enhanced Dihydrogen Activation by Mononuclear Iridium(II) Compounds: A Mechanistic Study. Angewandte Chemie, 0, , .	2.0	0