Gerardo JimÃ©nez Pindado

List of Publications by Year
in descending order

36 papers	784 citations	516710 16 h-index	526287 27 g-index
36 all docs	36 docs citations	36 times ranked	468 citing authors

#	Article	IF	Citations
1	Insertion of CO and CNR into Tantalumâˆ'Methyl Bonds of Imido(pentamethylcyclopentadienyl)tantalum Complexes. X-ray Crystal Structures of [TaCp*(NR)Me{Î·2-C(Me)NR}] and [TaCp*Cl(O){Î·2-C(Me)NR}] (R =) Tj ETQq1 1 0.784314 rgBT	2.3	64
2	Construction of a Borole Ligand from Coordinated Diene and B(C6F5)3via Successive Câˆ'H Activation Steps:Â A Case of Catalyst Self-Activation. Journal of the American Chemical Society, 1998, 120, 6816-6817.	13.7	57
3	Synthesis and Dynamic Behavior of (Pentamethylcyclopentadienyl)azatantalacyclopropane Complexes. Crystal Structures of TaCp*Cl4[C(Me)(NHR)] and TaCp*Me2(.eta.2-Me2CNR). Organometallics, 1995, 14, 1901-1910.	2.3	55
4	Novel Zwitterionic Diallylzirconium Complexes: Synthesis, Structure, Polymerization Activity, and Deactivation Pathways. Angewandte Chemie International Edition in English, 1997, 36, 2358-2361.	4.4	47
5	Insertion of CNAr into Ta-Me Bonds of TaCp*ClnMe4-n (n = 0-3): Intramolecular Rearrangements, Dynamic Behavior, and X-ray Crystal Structure of TaCp*Cl2(NAr) (Ar = 2,6-Me2C6H3). Organometallics, 1994, 13, 1564-1566.	2.3	44
6	Insertion of Isocyanides into Tantalum-Carbon Bonds of Azatantalacyclopropane Complexes. Crystal Structures of TaCp*Cl3(.eta.2-NRCMe2CNHR), TaCp*Me(NR)(NRCMe:CMe2), and TaCp*Me(NR)(.eta.2-NR:CCMe2CMe:NR) (R = 2,6-Me2C6H3). Organometallics, 1995, 14, 2843-2854.	2.3	44
7	The versatile chemistry of metallocene polymerisation catalysts: new developments in half-sandwich complexes and catalyst heterogenisation. Journal of Molecular Catalysis A, 1999, 146, 179-190.	4.8	35
8	Zirconium and hafnium diene and dienyl half-sandwich complexes: synthesis, polymerization catalysis and deactivation pathways. The molecular structures of [M(Î·3-C3H5)(2,3-Me2 C4H4){Î·-C5H 3(SiMe3)2-1,3}] (Mâ€…=â€…Zr or Hfâ€Š) and [Hf(Î·3-C3H5){ Î·3-CH2CMeCMeCH2B(C6 F5)3}{Î·-C5 H3(SiMe2)-1,3}]. Journal of the Chemical Society Dalton Transactions, 1997, , 3115-3128.	1.1	32
9	New monocyclopentadienyl complexes of Group 4 and 5 metals with chelating nitrogen ligands. Crystal and molecular structures of [Zr(Î·3-C3H5)(Î·4-Ph2N2C2Me2-2,3)Cpâ€³] and [TaCl2{Î·4-C6H4(NSiMe3-1,2)2}Cpâ€³] [Cpâ€³â€…=â€…C5H3(SiMe3)2-1,3]â€Šâ€. Journal of the Chemical Society Dalton Transactions, 1998, , 393-400.	1.1	30
10	Aminoarenethiolate Aluminum Complexes: Synthesis, Characterization, and Use in l-Lactide Polymerization. Organometallics, 2013, 32, 2618-2624.	2.3	29
11	Dinuclear cationic zirconium complexes with the fulvalene ligand. Synthesis and reactivity. Journal of Organometallic Chemistry, 1997, 543, 209-215.	1.8	28
12	Cyclopentadienyl-Amido Ligands with a Pendant â€œâˆ'NHRâ€• Amino Functionality in Titanium Chemistry. Molecular Structure of [Ti{Î·5-C5H4SiMe2-Î·-N(CH2)2-Î·-NHCHMe2}Cl2]. Organometallics, 2002, 21, 2189-2195.	2.3	26
13	Cyclopentadienylâ€"Silsesquioxane Titanium Complexes: Highly Active Catalysts for Epoxidation of Alkenes with Aqueous Hydrogen Peroxide. Inorganic Chemistry, 2012, 51, 6345-6349.	4.0	25
14	A Versatile Synthetic Route for Cyclopentadienylâˆ'Amido Titanium(IV) Compounds. NMR Spectroscopy Study and X-ray Molecular Structure of [Ti{Î·5-C5H4SiMe2NMe(CH2)2-Î·-NMe}Cl2]. Organometallics, 2001, 20, 2459-2467.	2.3	23
15	Reactions of tetrachlorocyclopentadienyltantalum(V) derivatives with hexamethyldialuminium: Crystal and molecular structure of dichlorodimethylpentamethylcyclopentadienyltantalum(V). Journal of Organometallic Chemistry, 1992, 439, 147-154.	1.8	19
16	Synthesis, Fluxionality, and Propene Insertion Reactions of Zirconium Boryldiene Complexes with Sterically Undemanding Cp Ligands. Organometallics, 2000, 19, 1150-1159.	2.3	16
17	Cationic Cyclopentadienyl Phenylenediamido Titanium Species Generated by Reaction of TiCpR[1,2-C6H4(NCH2t-Bu)2]R (CpR = Î·5-C5H5, Î·5-C5Me5; R = CH3, CH2Ph) with B(C6F5)3. X-ray Molecular Structure of Ti(Î·5-C5Me5)[1,2-C6H4(NCH2t-Bu)2][Î¼4-MeB(C6F5)3]. Organometallics, 2006, 25, 1723-1727.	2.3	16
18	Selective sulfoxidation with hydrogen peroxide catalysed by a titanium catalyst. Catalysis Science and Technology, 2015, 5, 320-324.	4.1	16

#	Article	IF	Citations
19	Reaction of B(C6F5)3 with zirconium and hafnium benzyl diene complexes. The crystal and molecular structures of Cpâ€³Zr(C6F5){Î·4-CH2CMeCHCHB(C6F5)2} and [Cpâ€³Hf(2,3-Me2C4H4)(OEt2)][PhCH2B(C6F5)3] [Cpâ€³â€…=â€…1,3-(SiMe3)2C5H3]. Journal of the Chemical Society Dalton Transactions, 1999, , 1663-1668.	1.1	15
20	Titanium and zirconium chloro, oxo and alkyl derivatives containing silyl-cyclopentadienyl ligands. Synthesis and characterisation. Journal of Organometallic Chemistry, 2003, 683, 70-76.	1.8	15
21	Stable Methylene- and Oxo-Bridged Monocyclopentadienyl Titanium Compounds. Molecular Structure of {Ti[Î¼-(Î·5-C5Me4SiMe2-O)]Me}2(Î¼-CH2)â€. Organometallics, 2004, 23, 5873-5876.	2.3	15
22	Synthesis, Characterization, and Reactivity of Niobium and Tantalum Complexes Bearing Metalâˆ'Nitrogen Bonds. X-ray Molecular Structure of [Nb(C₅H₄SiMe₃){NH(CH₂)₂-Î·-NH₂}Cl₃] and the Novel Tetranuclear Niobium Oxo Derivative [{Nb(C₅H₄SiMe₃)Cl(Î¼₂-O)}₄(Cl)₂(Î¼₃-O) Organometallics, 2007, 26, 4243-4251.	2.3	15
23	Cyclopentadienylâ€"Silsesquioxane Titanium Catalysts: Factors Affecting Their Formation and Activity in Olefin Epoxidation with Aqueous Hydrogen Peroxide. European Journal of Inorganic Chemistry, 2016, 2016, 2843-2849.	2.0	15
24	Cyclopentadienyl-Silyl-Amido versus Imido Niobium Complexes. The Role of Additional Amine Functionalities: A Combined Experimental and Theoretical Study. Organometallics, 2008, 27, 839-849.	2.3	13
25	Cyclopentadienyl-Silyl-Amido Niobium Complexes Prepared by a Transmetalation Reaction Using Ti{Î·5-C5H4SiMe2-Î-N(CH2)2NRRâ€˜}Cl2â€. Organometallics, 2005, 24, 5853-5857.	2.3	11
26	Organotitanoxanes with Unique Structure among Transition-Element Organometallic Oxide Derivatives. Inorganic Chemistry, 2008, 47, 3940-3942.	4.0	11
27	Î¼-Benzyl and Î¼-Chloro Dinuclear Cationic Titanium Compounds. Organometallics, 2001, 20, 5237-5240.	2.3	10
28	Facile Î±-Câ€"H activation in 14-electron zirconium half-sandwich compounds: evidence for a new catalyst deactivation pathway. Chemical Communications, 1997, , 609-610.	4.1	9
29	Mâˆ'Cl/Siâˆ'Cl Preferential Reactivity in Chlorosilyl-Substituted Cyclopentadienyl Early Transition Metal Complexes in Reactions with Amines: Key to Understanding the Nature of the Final Product. Organometallics, 2009, 28, 6975-6980.	2.3	9
30	Reactions of [Ti(Î·⁵-C₅Me₄SiMe₂Cl)Cl₃] with Diamines, a Suitable Approach to Prepare Mono- and Dinuclear Cyclopentadienyl-silyl-amido Titanium Complexes with Constrained and Unstrained Structures. Organometallics, 2011, 30, 2993-3000.	2.3	9
31	Chiral Titanium(IV) Complexes Containing Polydentate Ligands Based on Î±-Pinene. Catalytic Activity in Sulfoxidation with Hydrogen Peroxide. Organometallics, 2018, 37, 3437-3449.	2.3	9
32	Synthesis and structural characterization of novel tetranuclear organotitanoxane derivatives. Dalton Transactions, 2011, 40, 5728.	3.3	8
33	Cyclopentadienyl-silsesquioxane titanium compounds as suitable candidates for immobilization on silica-based supports. Inorganica Chimica Acta, 2020, 501, 119275.	2.4	6
34	Methylation of (pentamethylcyclopentadienyl)trichloro(diphenyldimethylenephosphoranyl-C,C)tantalum(V). Crystal structures of [TaCpâ˜…Cl3{(CH2)2PPh2}] and [TaCPâ˜…Me2{(CH)(CH2)PPh2}]. Journal of Organometallic Chemistry, 1992, 439, 309-318.	1.8	5
35	Suitable Approach to Prepare N-Substituted Niobium Complexes - Study of the Factors Controlling the Process. European Journal of Inorganic Chemistry, 2017, 2017, 1060-1066.	2.0	2
36	Stereospecific Synthesis of Chiral Titanium Complexes Bearing a Bifunctionalized Cyclopentadienyl-Terpenoid Ligand Derived from Î±-Pinene. Organometallics, 2021, 40, 3076-3086.	2.3	1