Manuel Gomez

List of Publications by Year
in descending order

54	994	361413 20	477307 29
papers	citations	h-index	g-index

54	54	54	404
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Insertion of CO and CNR into Tantalumâ^'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	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
3	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
4	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
5	Chemical behaviour of alkyl imido cyclopentadienyl niobium and tantalum(V) complexes in insertion processes. X-ray crystal structures of [MCpCl(NAr){Î·2-C(Me)Ï...NAr}] (Ar=2,6-Me2C6H3; M=Nb,) Tj ETQq1 1 0.784314 rgBT /Overloc Journal of Organometallic Chemistry, 2000, 595, 36-53.	1.8	42
6	Reaction of the rhodium and iridium complexes [C5Me5MMe2(Me2SO)] with aldehydes to give [C5Me5MMe(R)(CO)], and related reactions. Journal of Organometallic Chemistry, 1985, 296, 197-207.	1.8	39
7	Monocyclopentadienyl alkyl alkylidene niobium(V) and tantalum(V) complexes. X-ray crystal structure of Ta(Î·5-Cpâ€²)(CH2SiMe3)2(CHSiMe3). Polyhedron, 1992, 11, 1023-1027.	2.2	38
8	Pentamethylcyclopentadienyl halo- and alkyl-alkoxo tantalum(V) complexes. Crystal structure of. Journal of Organometallic Chemistry, 1996, 514, 51-58.	1.8	32
9	Alkyl Alkyne Mono((trimethylsilyl)cyclopentadienyl) Niobium Complexes. Synthesis and Chemical Behavior in Insertion Processes. X-ray Crystal Structures of [NbCpâ€˜(CH2SiMe3)2(Me3SiCCSiMe3)] and [NbCpâ€˜(NAr){Î·4-CH(SiMe3)C(SiMe3)C(CH2SiMe3)CH(SiMe3)}], (Cpâ€˜ = Î·5-C5H4SiMe3, Ar = 2,6-Me2C6H3). DFT Studies of the Model Complexes [Nb(Î·5-C5H5)R2(HCCH)] (R = Cl, Me). Organometallics, 2002, 21, 293-304.	2.3	29
10	Mixed-dicyclopentadienyl niobium and tantalum complexes: synthesis and reactivity X-ray molecular structures of Ta(Î·5-C5Me5)(Î·5-C5H4SiMe3)Cl2 and Ta(Î·5-C5Me5){Î·5-C5H3(SiMe3)2}H3. Journal of Organometallic Chemistry, 1996, 518, 37-46.	1.8	28
11	(Alkyl)(monocyclopentadienyl)niobium and â€tantalum Complexes in Insertion Processes. European Journal of Inorganic Chemistry, 2003, 2003, 3681-3697.	2.0	28
12	Synthesis of Novel Mono(pentamethylcyclopentadienyl)tantalacycloalkyl and -tantalacycloalkylidene Complexes. Crystal Structure of [TaCp*Cl2{Î·3-C6H4(2-CH2NMeCH2)}]. Organometallics, 1996, 15, 1362-1368.	2.3	27
13	Insertion of Isocyanide into Metala^'Carbon Bonds of Alkylchloro(pentamethylcyclopentadienyl)niobium- and -tantalum Complexes â^' X-ray Structure of [TaCp*Cl2(CH2CMe2Ph){Î·2-C(CH2CMe2Ph)=N(2,6-Me2C6H3)}] and Unexpected Decomposition of Alkyldichloro(Î·2-iminoacyl) Complexes of Tantalum. European Journal of Inorganic Chemistry, 2000, 2000, 2047-2054.	2.0	27
14	Hydrolysis of tetrachloro(pentamethylcyclopentadienyl)niobium(V). Crystal structure of [Nb2(.eta.5-C5Me5)2Cl2(.mu.2-O)(.mu.-Cl)](.mu.2-O)2(.mu.3-O)[Nb(.eta.5-C5Me5)Cl]. Organometallics, 1990, 9, 2846-2850.	2.3	26
15	Half-sandwich dichloro, alkyl chloro, dialkyl, alkyl methyl and amido methyl imido cyclopentadienyl niobium and tantalum(V) complexes. Dynamic behaviour of amido imido tantalum derivatives. Journal of Organometallic Chemistry, 1999, 580, 161-168.	1.8	26
16	Synthesis and Reactivity of Ene-Diamido and Ene-Diolato [(Trimethylsilyl)cyclopentadienyl]niobium(V) Complexes and a Comparative DFT Study of the Bonding Capabilities of Diazabutadiene and Butadiene Ligands. European Journal of Inorganic Chemistry, 2002, 2002, 1326-1335.	2.0	25
17	Reactions of dichlorobis(.mu.-chloro)bis(pentamethylcyclopentadienyl)dirhodium and -diiridium with hexamethyldialuminum. Organometallics, 1983, 2, 1724-1730.	2.3	22
18	Iridium(V) and rhodium (V) intermediates in aromatic metallation; the unusual reactivity of iodobenzene. Journal of the Chemical Society Chemical Communications, 1983, , 825-826.	2.0	20

#	Article	IF	Citations
19	Niobium(III) monocyclopentadienyl isocyanide, acetylene, and diene complexes. X-ray crystal structures of Nb(.eta.5-C5Me5)Cl4(CN-2,6-Me2C6H3) and Nb(.eta.5-C5Me5)Cl2(CN-2,6-Me2C6H3)3.1/2MeC6H5. Organometallics, 1994, 13, 462-467.	2.3	20
20	Tri-chlorido, 2-methylallyl and 2-butenyl tert-butylimido niobium and tantalum complexes: Synthesis, multinuclear NMR spectroscopy and reactivity. Dalton Transactions, 2011, 40, 413-420.	3.3	20
21	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
22	New tantalum ylide complexes: crystal and molecular structure of (.eta.5-C5Me5)Cl4Ta(CH2:PMePh2) containing a neutral phosphorus ylide. Organometallics, 1987, 6, 1581-1583.	2.3	18
23	Alkyl chloro, dialkyl and mixed alkyl derivatives of imido(pentamethylcyclopentadienyl) tantalum(V).		

#	Article	IF	Citations
37	Isolation and x-ray molecular structure of the first oxo- and phosphanido-bridged diniobium(III) complex with a short double Nb:Nb bond. Oxidation of the dichloro(pentamethylcyclopentadienyl)niobium(III) dimer. Inorganic Chemistry, 1993, 32, 5454-5457.	4.0	10
38	An Effective Route to Dinuclear Niobium and Tantalum Imido Complexes. Inorganic Chemistry, 2017, 56, 11681-11687.	4.0	10
39	New tetra- and pentacoordinate nickel(I) complexes. Transition Metal Chemistry, 1977, 2, 130-132.	1.4	9
40	Reduction of half-sandwich niobium compounds: tertiary phosphine and carbonyl derivatives of (pentamethylcyclopentadienyl)niobium(III). Organometallics, 1993, 12, 1189-1192.	2.3	9
41	(Alkyl)- and (Alkyl)(alkylidene)(pentamethylcyclopentadienyl)tantalum Complexes. European Journal of Inorganic Chemistry, 2006, 2006, 4242-4253.	2.0	9
42	New Bis(silyl)cyclopentadienidoniobium and -tantalum Complexes:X-ray Crystal Structures of [NbCpâ§Cl4] and [NbCpâ§Cl4(CNAr)][Cpâ§ = Î·5-C5H3(SiClMe2)(SiMe3); Ar = 2,6-Me2C6H3]. European Journal of Inorganic Chemistry, 2006, 2006, 5106-5114.	2.0	9
43	Synthesis of new chloro methyl niobium and tantalum complexes with silyl-cyclopentadienyl ligands: X-ray crystal structure of [Ta{Î·5-C5H3(SiMe3)2}Cl2Me2]. Journal of Organometallic Chemistry, 2007, 692, 2291-2298.	1.8	9
44	Alkyl chlorido hydridotris(3,5-dimethylpyrazolyl)borate imido niobium and tantalum(<scp>v</scp>) complexes: synthesis, conformational states of alkyl groups in solid and solution, X-ray diffraction and multinuclear magnetic resonance spectroscopy studies. Dalton Transactions, 2014, 43, 5747-5758.	3.3	9
45	Reactions of metallocene niobium(III) isocyanide complexes with oxidizing reagents. Journal of Organometallic Chemistry, 1989, 369, 197-204.	1.8	8
46	Synthesis and DFT, Multinuclear Magnetic Resonance, and X-ray Structural Studies of Iminoacyl Imido Hydridotris(3,5-dimethylpyrazolyl)borate Niobium and Tantalum(V) Complexes. Organometallics, 2014, 33, 2277-2286.	2.3	8
47	New cationic and anionic tetracoordinate nickel(I) complexes. Transition Metal Chemistry, 1982, 7, 85-89.	1.4	5
48	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
49	Molecular Design of Cyclopentadienyl Tantalum Sulfide Complexes. Inorganic Chemistry, 2019, 58, 5593-5602.	4.0	5
50	Nâ•N Bond Cleavage by Tantalum Hydride Complexes: Mechanistic Insights and Reactivity. Inorganic Chemistry, 2022, 61, 474-485.	4.0	5
51	Halonickel(I) complexes. Transition Metal Chemistry, 1982, 7, 294-297.	1.4	4
52	Synthetic and structural studies of monocyclopentadienyl cyclometalated aryl tantalum(v) compounds. Dalton Transactions, 2011, 40, 8399.	3.3	4
53	Synthesis and characterization of cyclopentadienyl sulfur niobium complexes. Journal of Organometallic Chemistry, 2019, 897, 148-154.	1.8	2
54	(Alkyl)(monocyclopentadienyl)niobium and -tantalum Complexes in Insertion Processes. ChemInform, 2004, 35, no.	0.0	0