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	Nâ•N Bond Cleavage by Tantalum Hydride Complexes: Mechanistic Insights and Reactivity. Inorganic Chemistry, 2022, 61, 474-485.	4.0	5
2	Synthesis and characterization of cyclopentadienyl sulfur niobium complexes. Journal of Organometallic Chemistry, 2019, 897, 148-154.	1.8	2
3	Molecular Design of Cyclopentadienyl Tantalum Sulfide Complexes. Inorganic Chemistry, 2019, 58, 5593-5602.	4.0	5
4	An Effective Route to Dinuclear Niobium and Tantalum Imido Complexes. Inorganic Chemistry, 2017, 56, 11681-11687.	4.0	10
5	Systematic Approach for the Construction of Niobium and Tantalum Sulfide Clusters. Inorganic Chemistry, 2016, 55, 3815-3821.	4.0	11
6	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
7	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
8	Hydridotris(3,5-dimethylpyrazolyl)borate Dimethylamido Imido Niobium and Tantalum Complexes: Synthesis, Reactivity, Fluxional Behavior, and Câ€“H Activation of the NMe₂ Function. Organometallics, 2012, 31, 5089-5100.	2.3	12
9	Trialkyl imido niobium and tantalum compounds: synthesis, structural study and migratory insertion reactions. Dalton Transactions, 2011, 40, 2797.	3.3	17
10	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
11	Synthetic and structural studies of monocyclopentadienyl cyclometalated aryl tantalum(v) compounds. Dalton Transactions, 2011, 40, 8399.	3.3	4
12	Monocyclopentadienyl(niobium) Compounds with Imido and Silsesquioxane Ligands: Synthetic, Structural and Reactivity Studies. European Journal of Inorganic Chemistry, 2009, 2009, 4401-4415.	2.0	12
13	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
14	(Alkyl)- and (Alkyl)(alkylidene)(pentamethylcyclopentadienyl)tantalum Complexes. European Journal of Inorganic Chemistry, 2006, 2006, 4242-4253.	2.0	9
15	New Bis(silyl)cyclopentadienidoniobium and -tantalum Complexes:X-ray Crystal Structures of [NbCpâˆ§Cl4] and [NbCpâˆ§Cl4(CNAr)] [Cpâˆ§ = Î·5-C5H3(SiClMe2)(SiMe3); Ar = 2,6-Me2C6H3]. European Journal of Inorganic Chemistry, 2006, 2006, 5106-5114.	2.0	9
16	Alkylation and Insertion Reactions in Dichloro Azatantalacyclopropane Complexes. X-ray Crystal Structures of [TaCpCl2{C(Ph)CHCMe2NAr-Î²2C,N}] (Cp = Î·5-C5Me5, Î·5-C5H4SiMe3; Ar = 2,6-Me2C6H3). Organometallics, 2005, 24, 848-856.	2.3	14
17	Alkylation, Insertion of Isocyanides, and Intramolecular Rearrangement Processes in Azatantalacyclopentene Complexes. X-ray Crystal Structure of [TaCp*Me2(CHCHCMe2NAr-Î²2C,N)] (Cp* =) Tj ETQq1 1 0.784314 rgB	2.3	13
18	(Alkyl)(monocyclopentadienyl)niobium and -tantalum Complexes in Insertion Processes. ChemInform, 2004, 35, no.	0.0	0

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19	(Alkyl)(monocyclopentadienyl)niobium and â€tantalum Complexes in Insertion Processes. European Journal of Inorganic Chemistry, 2003, 2003, 3681-3697.	2.0	28
20	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
21	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
22	Synthesis of Hydride Tantalabenzocyclopentene and Âµ-Alkylidene Complexes by Direct Alkylation Reactions of [TaCp*Cpâ€²Cl2] â^' NMR Spectroscopic Study and X-ray Crystal Structure of [TaCp*Cpâ€²(H)(Î·2-CH2-CMe2-o-C6H4)], (Cp* = Î·5-C5Me5; Cpâ€² = Î·5-C5H4SiMe3). European Journal of Inorganic Chemistry, 2002, 2002, 1336-1342.	2.0	12
23	Insertion of Isocyanide into Metalâ ·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,	2.0	27
24	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)î˜...NAr}] (Ar=2,6-Me2C6H3; M=Nb,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 Journal of Organometallic Chemistry, 2000, 595, 36-53.	1.8	42
25	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
26	Alkyl chloro, dialkyl and mixed alkyl derivatives of imido(pentamethylcyclopentadienyl) tantalum(V).		

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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	Reduction of half-sandwich niobium compounds: tertiary phosphine and carbonyl derivatives of (pentamethylcyclopentadienyl)niobium(III). Organometallics, 1993, 12, 1189-1192.	2.3	9
39	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
40	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
41	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
42	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
43	Reactions of metallocene niobium(III) isocyanide complexes with oxidizing reagents. Journal of Organometallic Chemistry, 1989, 369, 197-204.	1.8	8
44	(Methylenephosphoranyl)methyl, phosphinylmethyl, and phosphinothioylmethyl complexes of tantalum. Organometallics, 1989, 8, 1604-1606.	2.3	10
45	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
46	Phenoxotantalum(V) Complexes. Journal of Organometallic Chemistry, 1986, 314, 131-138.	1.8	10
47	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
48	A new aromatic metallation reaction involving rhodium and iridium; the unusual reactivity of iodobenzene. Journal of Organometallic Chemistry, 1985, 279, 115-130.	1.8	14
49	Reactions of dimethyl(dimethylsulphoxide)pentamethylcyclopentadienyl-rhodium and -irridum with acids. Journal of Organometallic Chemistry, 1983, 259, 237-243.	1.8	12
50	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
51	Reactions of dichlorobis(.mu.-chloro)bis(pentamethylcyclopentadienyl)dirhodium and -diiridium with hexamethyldialuminum. Organometallics, 1983, 2, 1724-1730.	2.3	22
52	New cationic and anionic tetracoordinate nickel(I) complexes. Transition Metal Chemistry, 1982, 7, 85-89.	1.4	5
53	Halonickel(I) complexes. Transition Metal Chemistry, 1982, 7, 294-297.	1.4	4
54	New tetra- and pentacoordinate nickel(I) complexes. Transition Metal Chemistry, 1977, 2, 130-132.	1.4	9