

# Babil MenjÃ³n

## List of Publications by Year in descending order

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75  
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docs citations

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#	ARTICLE	IF	CITATIONS
1	Neutral bis(perhalophenyl)dicarbonylpalladium(II) and platinum(II) complexes. <i>Organometallics</i> , 1985, 4, 1912-1914.	2.3	95
2	Synthesis and reactivity of [NBu <sub>4</sub> ] <sup>+</sup> [Pt(III)(C <sub>6</sub> Cl <sub>5</sub> ) <sub>4</sub> ] <sup>-</sup> : molecular structures of [NBu <sub>4</sub> ] <sub>2</sub> <sup>+</sup> [Pt(C <sub>6</sub> Cl <sub>5</sub> ) <sub>4</sub> ] <sub>2</sub> <sup>-</sup> ·2CH <sub>2</sub> Cl <sub>2</sub> , [NBu <sub>4</sub> ] <sup>+</sup> [Pt(III)(C <sub>6</sub> Cl <sub>5</sub> ) <sub>4</sub> ] <sup>-</sup> and [NBu <sub>4</sub> ] <sup>+</sup> [Pt(C <sub>6</sub> Cl <sub>5</sub> ) <sub>4</sub> (NO)] <sup>-</sup> . <i>Organometallics</i> , 1986, 5, 1576-1581.	2.3	66
3	The Trifluoromethyl Group in Transition Metal Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4945-4966.	2.0	63
4	Synthesis and reactivity of cis and trans dicarbonyl derivatives of platinum(II). <i>Organometallics</i> , 1986, 5, 1581-1584.	2.3	49
5	A Square-Planar Organoiron(III) Compound with a Spin-Admixed State. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6707-6711.	13.8	49
6	The first mononuclear Pt(III) complex. Molecular structures of (NBu <sub>4</sub> )[Pt(III)(C <sub>6</sub> Cl <sub>5</sub> ) <sub>4</sub> ] and of its parent compound {NBu <sub>4</sub> } <sub>2</sub> [Pt(II)(C <sub>6</sub> Cl <sub>5</sub> ) <sub>4</sub> ]·2CH <sub>2</sub> Cl <sub>2</sub> . <i>Journal of the Chemical Society Chemical Communications</i> , 1984, .	2.0	48
7	Synthesis and Structural Characterization of the First Isolated Homoleptic Organoplatinum(IV) Compound: [Pt(C <sub>6</sub> Cl <sub>5</sub> ) <sub>4</sub> ]. <i>Journal of the American Chemical Society</i> , 1995, 117, 4295-4304.	13.7	46
8	A New Series of Homoleptic, Paramagnetic Organochromium Derivatives: Synthesis, Characterization, and Study of Their Magnetic Properties. <i>Chemistry - A European Journal</i> , 2002, 8, 4056-4065.	3.3	45
9	[Au(CF <sub>3</sub> ) <sub>3</sub> ](CO): A Gold Carbonyl Compound Stabilized by a Trifluoromethyl Group. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6571-6574.	13.8	44
10	Chemistry of oxophilic transition metals. 4. Reactivity of the organozirconium(III) complex (μ <sub>2</sub> -η <sup>5</sup> -C <sub>10</sub> H <sub>8</sub> )[(μ-Cl)Zr(η <sup>5</sup> -C <sub>5</sub> H <sub>5</sub> ) <sub>2</sub> ] with diphenyldiazomethane, tert-butyl isocyanide, and trimethylsilyl azide: diazo, cyano, and imido complexes. <i>Organometallics</i> , 1991, 10, 2134-2141.	2.3	43
11	New Homoleptic Organometallic Derivatives of Vanadium(III) and Vanadium(IV): Synthesis, Characterization, and Study of Their Electrochemical Behaviour. <i>Chemistry - A European Journal</i> , 2005, 11, 4713-4724.	3.3	43
12	New advances in homoleptic organotransition-metal compounds: The case of perhalophenyl ligands. <i>Dalton Transactions</i> , 2007, , 3347.	3.3	36
13	Gold(I) and Gold(III) Trifluoromethyl Derivatives. <i>Chemistry - A European Journal</i> , 2013, 19, 14540-14552.	3.3	36
14	Synthesis and characterization of and stereoselective oxidative addition of chlorine or bromine to platinum complex, [NBu <sub>4</sub> ][Pt(C <sub>6</sub> F <sub>5</sub> ) <sub>2</sub> (C <sub>5</sub> H <sub>4</sub> NS)]. <i>Organometallics</i> , 1993, 12, 4368-4375.	2.3	34
15	Metallacyclic zirconoxycarbene complexes from metal carbonyls and (η <sup>2</sup> -formaldehyde)zirconocene dimer. <i>Organometallics</i> , 1991, 10, 291-298.	2.3	33
16	Reactivity of cis-Pt(C <sub>6</sub> F <sub>5</sub> ) <sub>2</sub> (OC <sub>4</sub> H <sub>8</sub> ) <sub>2</sub> toward (C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> CN <sub>2</sub> . Synthesis and molecular structure of [cyclic] Pt(C <sub>6</sub> F <sub>5</sub> )[(2-C <sub>6</sub> H <sub>4</sub> )C(C <sub>6</sub> H <sub>5</sub> ):N-N:(η <sup>2</sup> -C <sub>6</sub> H <sub>5</sub> )C(C <sub>6</sub> H <sub>5</sub> )], an ortho-metalated compound containing an unusual intramolecular η <sup>2</sup> -arene-platinum interaction. <i>Organometallics</i> , 1992, 11, 1187-1193.	2.3	33
17	Synthesis and Characterization of a New Family of Square-Planar Nickel(II) Carbonyl Derivatives. <i>Chemistry - A European Journal</i> , 2002, 8, 4925-4934.	3.3	33
18	M <sup>13</sup> C Bond Homolysis in Coinage Metal [M(CF <sub>3</sub> ) <sub>3</sub> ] <sub>4</sub> <sup>+</sup> Derivatives. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9954-9958.	13.8	33

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19	Unusual luminescent octanuclear stellate platinacycle self-assembled by Pt <sup>II</sup> -Ag bonds. <i>Chemical Communications</i> , 2007, , 3838.	4.1	32
20	The first structurally characterised homoleptic organovanadium(iii) compound. <i>Chemical Communications</i> , 2001, , 2138.	4.1	29
21	Preparation of cis-bis-acetylene-bis(pentafluorophenyl)-palladium(II) and -platinum(II) complexes, crystal structure of cis-[Pt(C <sub>6</sub> F <sub>5</sub> ) <sub>2</sub> (PhC≡CPh) <sub>2</sub> ]. <i>Journal of Organometallic Chemistry</i> , 1986, 304, C24-C26.	1.8	28
22	Oxidative Addition of Halogens to Homoleptic Perfluoromethyl or Perfluorophenyl Derivatives of Platinum(II): A Comparative Study. <i>Chemistry - A European Journal</i> , 2009, 15, 6371-6382.	3.3	28
23	Synthesis, solid-state and solution structure, and reactivity of cis-[Pt(C <sub>6</sub> F <sub>5</sub> ) <sub>2</sub> (NC <sub>5</sub> H <sub>4</sub> -2-CH <sub>2</sub> C <sub>6</sub> H <sub>5</sub> )]: a compound displaying an arene-platinum interaction. <i>Organometallics</i> , 1993, 12, 4376-4380.	2.3	25
24	Synthesis and structural characterisation of the first homoleptic organometallic nickel(iii) compound. <i>Chemical Communications</i> , 1997, , 503-504.	4.1	25
25	All-Organometallic Analogues of Zeise's Salt for the Three Group 10 Metals. <i>Organometallics</i> , 2005, 24, 3539-3546.	2.3	24
26	Anionic Derivatives of Perfluorinated Trimethylgold. <i>Chemistry - A European Journal</i> , 2017, 23, 6919-6929.	3.3	24
27	(CF <sub>3</sub> ) <sub>3</sub> Au as a Highly Acidic Organogold(III) Fragment. <i>Chemistry - A European Journal</i> , 2017, 23, 14918-14930.	3.3	24
28	Dinuclear Fulvalene Complexes of Tri- and Tetravalent Zirconium. <i>Angewandte Chemie International Edition in English</i> , 1987, 26, 697-699.	4.4	23
29	Synthesis and Characterization of Pentachlorophenyl <sup>II</sup> Metal Derivatives with d <sub>0</sub> and d <sub>10</sub> Electron Configurations. <i>Chemistry - A European Journal</i> , 2004, 10, 4186-4197.	3.3	23
30	The First Structurally Characterized Homoleptic Aryl-Manganese(III) Compound and the Corresponding Isoleptic and Isoelectronic Chromium(II) Derivative. <i>Organometallics</i> , 2005, 24, 3266-3271.	2.3	23
31	Homoleptic Trifluoromethyl Derivatives of Ag <sup>I</sup> and Ag <sup>III</sup> . <i>Chemistry - A European Journal</i> , 2018, 24, 13098-13101.	3.3	23
32	Acetylenes attached to poly(pentafluorophenyl)platinum(II) moieties. Syntheses and molecular structures of cis-[Pt(C <sub>6</sub> F <sub>5</sub> ) <sub>2</sub> (PhC≡CPh) <sub>2</sub> ] and [NBun <sub>4</sub> ][Pt(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> (PhC≡CPh)]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 275-280.	1.1	22
33	Homoleptic Organoderivatives of High-valent Nickel(III). <i>Chemistry - A European Journal</i> , 2009, 15, 11020-11030.	3.3	22
34	Trapping a Difluorocarbene <sup>II</sup> Platinum Fragment by Base Coordination. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4286-4289.	13.8	22
35	Transformation of a Platinum Carbonyl into a Platinum Carbene Moiety by Reaction with (1 <sup>+</sup> )-butadiene)zirconocene. <i>Chemische Berichte</i> , 1990, 123, 1327-1329.	0.2	20
36	Synthesis and Structural Characterization of an Authentic Platinum(IV) Carbonyl Compound. <i>Organometallics</i> , 1997, 16, 6024-6027.	2.3	20

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37	An Organogold(III) Difluoride with a <i>trans</i> Arrangement. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6517-6521.	13.8	20
38	Homoleptic Organocobalt(III) Compounds with Intermediate Spin. <i>Inorganic Chemistry</i> , 2014, 53, 12384-12395.	4.0	19
39	Synthesis and characterization of new paramagnetic tetraaryl derivatives of chromium and molybdenum. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 3236-3247.	1.8	18
40	Action of HCl upon the Pt—C bonds in [NBu <sub>4</sub> ] <sub>2</sub> [Pt(C <sub>6</sub> Cl <sub>5</sub> ) <sub>4</sub> ] and [NBu <sub>4</sub> ] <sub>2</sub> [trans-PtCl <sub>2</sub> (C <sub>6</sub> Cl <sub>5</sub> ) <sub>2</sub> ]: synthesis of tris(pentachlorophenyl), [NBu <sub>4</sub> ] <sub>3</sub> [Pt(C <sub>6</sub> Cl <sub>5</sub> ) <sub>3</sub> L] and dichloro-monopentachlorophenyl-platinate(II), [NBu <sub>4</sub> ] <sub>2</sub> [PtCl <sub>2</sub> (C <sub>6</sub> Cl <sub>5</sub> )L], complexes. <i>Journal of Organometallic Chemistry</i> , 1987, 336, 129-135.	1.8	17
41	The first structurally characterised homoleptic <i>f</i> -organotitanium(III) compound. <i>Chemical Communications</i> , 2002, , 728-729.	4.1	17
42	A New Geometry for Homoleptic Organochromium Compounds. <i>Organometallics</i> , 2005, 24, 1269-1274.	2.3	17
43	Stereochemistry of Complexes with Double and Triple Metal—Ligand Bonds: A Continuous Shape Measures Analysis. <i>Inorganic Chemistry</i> , 2014, 53, 12151-12163.	4.0	17
44	Gold(I) Fluorohalides: Theory and Experiment. <i>Chemistry - A European Journal</i> , 2017, 23, 1512-1515.	3.3	17
45	Highly Trifluoromethylated Platinum Compounds. <i>Chemistry - A European Journal</i> , 2011, 17, 8085-8097.	3.3	16
46	M—C Bond Homolysis in Coinage—Metal [M(CF <sub>3</sub> ) <sub>3</sub> ] <sub>4</sub> Derivatives. <i>Angewandte Chemie</i> , 2019, 131, 10059-10063.	2.0	16
47	Synthesis of neutral and cationic pentafluorophenylpalladium(I) derivatives. Insertion versus coordination of isocyanides in binuclear palladium(I) complexes. <i>Journal of Organometallic Chemistry</i> , 1983, 256, 365-373.	1.8	15
48	Synthesis of mononuclear cis-M(C <sub>6</sub> X <sub>5</sub> ) <sub>2</sub> L <sub>2</sub> or binuclear [M( $\eta^1$ -L)(C <sub>6</sub> X <sub>5</sub> ) <sub>2</sub> ] <sub>2</sub> complexes (M = Pd, Pt; X = F, Cl) containing neutral O- or S-donor ligands L. <i>Inorganica Chimica Acta</i> , 1989, 162, 33-37.	2.4	15
49	Tri- and tetra-nuclear homo- or hetero-metallic palladium(II) and platinum(II) complexes with double halide bridges. Molecular structure of [NBu <sub>4</sub> ] <sub>2</sub> [(C <sub>6</sub> F <sub>5</sub> ) <sub>2</sub> Pt( $\mu$ -Cl) <sub>2</sub> Pt( $\mu$ -Cl) <sub>2</sub> Pt(C <sub>6</sub> F <sub>5</sub> ) <sub>2</sub> ]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1990, , 151-154.	1.1	15
50	Synthesis and x-ray structure of [NBu] <sub>3</sub> [Pt(CF)( $\eta^1$ -C <sub>6</sub> F <sub>5</sub> ) $\eta^1$ -Ag(SC <sub>2</sub> H <sub>4</sub> )] (SC <sub>2</sub> H <sub>4</sub> = tetrahydrothiophene). evidence of the existence of intramolecular AgF interactions in solution and in the solid state. <i>Polyhedron</i> , 1996, 15, 3599-3604.	2.2	15
51	A Five-Coordinate Homoleptic Organotitanium(III) Compound. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5225-5228.	13.8	15
52	Gold(II) Trihalide Complexes from Organogold(III) Precursors. <i>Chemistry - A European Journal</i> , 2018, 24, 1514-1517.	3.3	15
53	Stepwise Degradation of Trifluoromethyl Platinum(II) Compounds. <i>Chemistry - A European Journal</i> , 2013, 19, 324-337.	3.3	14
54	The First Organosilver(III) Fluoride, [PPh] <sub>4</sub> [(CF <sub>3</sub> ) <sub>3</sub> AgF]. <i>Chemistry - A European Journal</i> , 2020, 26, 4471-4475.	3.3	13

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55	Pentafluorophenylplatinum complexes containing Î-1- or Î-2-arylâ€Pt interactions. Crystal structure of cis-[Pt(C6F5)2-({NC5H4[CH(Î-2-Ph)Ph]-2}-ÎN)]Ã0.5C6H5Me. Journal of the Chemical Society Dalton Transactions, 1995, , 2949-2954.	1.1	12
56	Synthesis and Characterization of New Five-Coordinate Platinum Nitrosyl Derivatives: Density Functional Theory Study of Their Electronic Structure. Chemistry - A European Journal, 2003, 9, 4094-4105.	3.3	12
57	Rational synthesis of di-, tri- and tetranuclear compounds by using the [Pt(C6F5)2(C5H4NS)]âˆ- anion as a metalloligand. Inorganica Chimica Acta, 1997, 264, 219-230.	2.4	11
58	Solidâ€State and Solution Structure of a Hypervalent AX<sub>5</sub> Compound: Sb(C<sub>6</sub>F<sub>5</sub>)<sub>5</sub>. Angewandte Chemie - International Edition, 2012, 51, 2754-2757.	13.8	11
59	Unassisted Î-2-Coordination of Polycyclic Aromatic Hydrocarbons to Platinum(II). Inorganic Chemistry, 2005, 44, 7265-7267.	4.0	10
60	Synthesis and characterization of neutral and anionic carbonyl derivatives of palladium(ii). Dalton Transactions, 2010, 39, 7301.	3.3	10
61	Stability of Ag<sup>III</sup> towards Halides in Organosilver(III) Complexes. Chemistry - A European Journal, 2021, 27, 12796-12806.	3.3	10
62	A Fiveâ€Coordinate Compound with Inverted Ligand Field: An Unprecedented Geometry for Silver(III). Angewandte Chemie - International Edition, 2021, 60, 26545-26549.	13.8	10
63	An Organogold(III) Difluoride with a trans Arrangement. Angewandte Chemie, 2018, 130, 6627-6631.	2.0	9
64	Ïfâ€Organoniobium Compounds with [NbR<sub>4</sub>]<sup>âˆ</sup> and NbR<sub>4</sub> Stoichiometries. Angewandte Chemie - International Edition, 2010, 49, 6143-6146.	13.8	8
65	Synthesis, characterisation and magnetic properties of octahedral chromium(<sc>iii</sc>) compounds with six C-donor ligands. Dalton Transactions, 2011, 40, 853-861.	3.3	8
66	Synthesis and Structural Characterization of the Bent Nitrosyl Organometallic Complex [NBu<sub>4</sub>][Pt(C<sub>6</sub>Cl<sub>5</sub>)<sub>2</sub>Cl<sub>2</sub>(NO)]. Chemische Berichte, 1994, 127, 651-652.	0.2	7
67	Fluorocarbons Modulate the Coordination Sphere of fâ€Element Complexes. Angewandte Chemie - International Edition, 2014, 53, 2810-2811.	13.8	7
68	A hexanuclear gold carbonyl cluster. Chemical Science, 2015, 6, 5506-5510.	7.4	7
69	An Organotransitionâ€Metal Complex with Pentagonalâ€Pyramidal Structure. Angewandte Chemie - International Edition, 2012, 51, 8046-8049.	13.8	6
70	Efficient and stereoselective syntheses of isomeric trifluoromethyl-platinum(iv) chlorides. Dalton Transactions, 2011, 40, 10440.	3.3	5
71	Hydrogen bonding to metals as a probe for an inverted ligand field. Dalton Transactions, 2021, 50, 5465-5472.	3.3	5
72	A square-pyramidal organochromium(<sc>v</sc>) compound. Dalton Transactions, 2012, 41, 1297-1303.	3.3	4

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73	Mononuclear anionic AO <sub>2</sub> X <sub>3</sub> compounds with non-VSEPR structure. Dalton Transactions, 2014, 43, 7615-7621.	3.3	3
74	Increasing Lewis acidity in perchlorophenyl derivatives of antimony. Journal of Organometallic Chemistry, 2019, 897, 185-191.	1.8	3
75	A Five-Coordinate Compound with Inverted Ligand Field: An Unprecedented Geometry for Silver(III). Angewandte Chemie, 2021, 133, 26749-26753.	2.0	2