

# Iacopo Ciabatti

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Paolo Chini: The Chemical Architect of Metal Carbonyl Clusters. <i>Journal of Cluster Science</i> , 2019, 30, 1623-1631.	1.7	8
2	Water soluble derivatives of platinum carbonyl Chini clusters: synthesis, molecular structures and cytotoxicity of $[Pt_{12}(CO)_{20}(PTA)_4]^{2-}$ and $[Pt_{15}(CO)_{25}(PTA)_5]^{2-}$ . <i>Dalton Transactions</i> , 2018, 47, 4467-4477.	1.6	11
3	Molecular Nickel Phosphide Carbonyl Nanoclusters: Synthesis, Structure, and Electrochemistry of $[Ni_{11}P(CO)_{18}]^{3-}$ and $[H_{6-}^{4-}Ni_{31}P_{4-}(CO)_{39}]^{1-}$ ( $i = 4$ and $5$ ). <i>Inorganic Chemistry</i> , 2018, 57, 1136-1147.	1.9	10
4	Globular molecular platinum carbonyl nanoclusters: Synthesis and molecular structures of the $[Pt_{26}(CO)_{32}]^{2-}$ and $[Pt_{14+x}(CO)_{18+x}]^{4-}$ anions and their comparison to related platinum carbonyls. <i>Inorganica Chimica Acta</i> , 2018, 470, 238-249.	1.2	10
5	The role of gold in transition metal carbonyl clusters. <i>Coordination Chemistry Reviews</i> , 2018, 355, 27-38.	9.5	31
6	Cluster Core Isomerism Induced by Crystal Packing Effects in the $[HCo_{15}Pd_9C_3(CO)_{38}]^{2-}$ Molecular Nanocluster. <i>ACS Omega</i> , 2018, 3, 13239-13250.	1.6	11
7	Synthesis of $[Pt_{12}(CO)_{20}(dppm)_2]^{2-}$ and $[Pt_{18}(CO)_{30}(dppm)_3]^{2-}$ Heteroleptic Chini-type Platinum Clusters by the Oxidative Oligomerization of $[Pt_6(CO)_{12}(dppm)]^{2-}$ . <i>Inorganic Chemistry</i> , 2018, 57, 7578-7590.	1.9	11
8	The redox chemistry of $[Ni_9C(CO)_{17}]^{2-}$ and $[Ni_{10}(C_2)(CO)_{16}]^{2-}$ : Synthesis, electrochemistry and structure of $[Ni_{12}C(CO)_{18}]^{4-}$ and $[Ni_{22}(C_2)_4(CO)_{28}(Et_2S)]^{2-}$ . <i>Journal of Organometallic Chemistry</i> , 2017, 849-850, 299-305.	0.8	8
9	Heteroleptic Chini-Type Platinum Clusters: Synthesis and Characterization of Bis-Phospine Derivatives of $[Pt_{3-i}n(CO)_{6-i}]^{2-}$ ( $i = 2$ to $4$ ). <i>Inorganic Chemistry</i> , 2017, 56, 1655-1668.	1.9	22
10	Capping $[H_8^{2-}nNi_4C_8(CO)_{44}]^{n-}$ ( $n=6, 7, 8$ ) Octa-carbide Carbonyl Nanoclusters with $[Ni(CO)]$ and $[CuCl]$ Fragments. <i>Journal of Cluster Science</i> , 2017, 28, 1963-1979.	1.7	6
11	Reactions of Platinum Carbonyl Chini Clusters with Ag(NHC)Cl Complexes: Formation of Acid-Base Lewis Adducts and Heteroleptic Clusters. <i>Inorganic Chemistry</i> , 2017, 56, 6532-6544.	1.9	16
12	Synthesis of the Highly Reduced $[Fe_6C(CO)_{15}]^{4-}$ Carbonyl Carbide Cluster and Its Reactions with $H^{+}$ and $[Au(PPh_3)]^+$ . <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3135-3143.	1.0	14
13	Molecular Structures of the $[Bi@Rh_{12}(CO)_{27}]^{3-}$ , $[(Bi@Rh_{12}(CO)_{26})_2Bi]^{5-}$ , $[(Bi@Rh_{14}(CO)_{27})_2Bi]^{3-}$ , and $[(Bi@Rh_{17}(CO)_{33})_2Bi]^{4-}$ Carbonyl Clusters. <i>Inorganic Chemistry</i> , 2017, 56, 6343-6351.	1.9	21
14	Synthesis of the Highly Reduced $[Fe_6C(CO)_{15}]^{4-}$ Carbonyl Carbide Cluster and Its Reactions with $H^{+}$ and $[Au(PPh_3)]^+$ . <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3134-3134.	1.0	2
15	Bimetallic Fe-Au Carbonyl Clusters Derived from Collman's Reagent: Synthesis, Structure and DFT Analysis of $Fe(CO)_4(AuNHC)_2$ and $[Au_3Fe_2(CO)_8(NHC)_2]^{2-}$ . <i>Journal of Cluster Science</i> , 2017, 28, 703-723.	1.7	23
16	Alternative synthetic route for the heterometallic CO-releasing $[Sb@Rh_{12}(CO)_{27}]^{3-}$ icosahedral carbonyl cluster and synthesis of its new unsaturated $[Sb@Rh_{12}(CO)_{24}]^{4-}$ and dimeric $\{[Sb@Rh_{12}Sb(CO)_{25}]_2Rh(CO)_{2PPh_3}\}^{7-}$ derivatives. <i>Progress in Natural Science: Materials International</i> , 2016, 26, 461-466.	1.8	13
17	$[Pt_{6-}^{8-}(CO)_{8-}(SnCl_{2-})_2(SnCl_{3-})_4]^{4-}$ and $[Pt_{6-}^{8-}(CO)_{8-}(SnCl_{2-})_2(SnCl_{3-})_2]^{2-}$ Platinum Carbonyl Clusters Decorated by $Sn_{2-}^{10-}$ Fragments. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 14.	1.9	23
18	Syntheses, Structures, and Electrochemistry of the Defective $\langle i \rangle CCP \langle /i \rangle$ and $\langle i \rangle BCC \langle /i \rangle$ $[Pt_{33-}^{38-}(CO)_{38}]^{2-}$ and the $[Pt_{40-}^{40-}(CO)_{40}]^{6-}$ Molecular Nanoclusters. <i>Inorganic Chemistry</i> , 2016, 55, 6068-6079.	1.9	32

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19	Platinum carbonyl clusters stabilized by Sn( <i>scp</i> ) <i>li</i> ( <i>scp</i> )-based fragments: syntheses and structures of [Pt <sub>6</sub> (CO) <sub>6</sub> (SnCl <sub>2</sub> ) <sub>2</sub> ] <sub>2</sub> [SnCl <sub>3</sub> ] <sub>3</sub> [SnCl <sub>2</sub> ] <sub>2</sub> (Cl <sub>2</sub> ) <sub>2</sub> SnOCOSO <sub>2</sub> CF <sub>3</sub> . Dalton Transactions, 2016, 45, 5001-5013.	4.4	20
20	Bimetallic Fe-Cu Carbido Carbonyl Clusters Obtained from the Reactions of [Fe <sub>4</sub> C(CO) <sub>12</sub> {Cu(MeCN)} <sub>2</sub> ] with N-Donor Ligands. Journal of Cluster Science, 2016, 27, 431-456.	1.7	5
21	Molecular nickel poly-carbide carbonyl nanoclusters: The octa-carbide [HNi <sub>4</sub> C <sub>8</sub> (CO) <sub>44</sub> (CuCl)] <sup>7-</sup> and the deca-carbide [Ni <sub>4</sub> C <sub>10</sub> (CO) <sub>46</sub> ] <sup>6-</sup> . Journal of Organometallic Chemistry, 2016, 812, 229-239.	0.8	11
22	Co <sub>5</sub> C and Co <sub>4</sub> C carbido carbonyl clusters stabilized by [AuPPh <sub>3</sub> ] <sup>+</sup> fragments. Inorganica Chimica Acta, 2015, 428, 203-211.	1.2	12
23	[H <sub>3</sub> nFe <sub>4</sub> (CO) <sub>12</sub> (IrCOD)] <sup>n-</sup> (n= 1, 2) and [H <sub>2</sub> Fe <sub>3</sub> (CO) <sub>10</sub> (IrCOD)] <sup>-</sup> Bimetallic Fe-Ir Hydride Carbonyl Clusters. Organometallics, 2015, 34, 189-197.	1.1	2
24	Hydride Migration from a Triangular Face to a Tetrahedral Cavity in Tetranuclear Iron Carbonyl Clusters upon Coordination of [AuPPh <sub>3</sub> ] <sup>+</sup> Fragments. Angewandte Chemie, 2014, 126, 7361-7365.	1.6	2
25	Platinum Carbonyl Clusters Chemistry: Four Decades of Challenging Nanoscience. Journal of Cluster Science, 2014, 25, 115-146.	1.7	67
26	The Chemistry of Ni-Sb Carbonyl Clusters – Synthesis and Characterization of the [Ni <sub>19</sub> Sb <sub>4</sub> (CO) <sub>26</sub> ] <sup>4-</sup> Tetraanion and the Viologen Salts of [Ni <sub>13</sub> Sb <sub>2</sub> (CO) <sub>24</sub> ] <sup>n-</sup> Carbonyl Clusters. European Journal of Inorganic Chemistry, 2014, 2014, 4151-4158.	1.0	6
27	Perrhenated nickel carbide carbonyl clusters: the cationic [Ni <sub>6</sub> (C)(CO) <sub>8</sub> (AuPPh <sub>3</sub> ) <sub>8</sub> ] <sup>2+</sup> monocarbide and the [Ni <sub>12</sub> (C <sub>2</sub> )(CO) <sub>17</sub> (AuPPh <sub>3</sub> ) <sub>3</sub> ] <sup>3-</sup> anion containing one carbide and one acetylidic unit. Dalton Transactions, 2014, 43, 12471.	1.6	15
28	Structural rearrangements induced by acid-base reactions in metal carbonyl clusters: the case of [H <sub>3</sub> nCo <sub>15</sub> Pd <sub>9</sub> C <sub>3</sub> (CO) <sub>38</sub> ] <sup>n-</sup> (n) T <sub>1</sub> E <sub>T</sub> Q <sub>0</sub> Q <sub>0</sub> rgBT /O		
29	Homoleptic and heteroleptic Au(i) complexes containing the new [Co <sub>5</sub> C(CO) <sub>12</sub> ] <sup>-</sup> cluster as ligand. Dalton Transactions, 2014, 43, 9633.	1.6	18
30	The Redox Chemistry of [Co <sub>6</sub> C(CO) <sub>15</sub> ] <sup>2+</sup> : A Synthetic Route to New Co-Carbide Carbonyl Clusters. Inorganic Chemistry, 2014, 53, 3818-3831.	1.9	12
31	Octahedral Co-Carbide Carbonyl Clusters Decorated by [AuPPh <sub>3</sub> ] <sup>+</sup> Fragments: Synthesis, Structural Isomerism, and Auophilic Interactions of Co <sub>6</sub> C(CO) <sub>12</sub> (AuPPh <sub>3</sub> ) <sub>4</sub> . Inorganic Chemistry, 2014, 53, 9761-9770.	1.9	19
32	Hydride Migration from a Triangular Face to a Tetrahedral Cavity in Tetranuclear Iron Carbonyl Clusters upon Coordination of [AuPPh <sub>3</sub> ] <sup>+</sup> Fragments. Angewandte Chemie - International Edition, 2014, 53, 7233-7237.	7.2	10
33	Ni-Cu tetracarbide carbonyls with vacant Ni(CO) fragments as borderline compounds between molecular and quasi-molecular clusters. Dalton Transactions, 2013, 42, 407-421.	1.6	16
34	Selective synthesis of the [Ni <sub>36</sub> Co <sub>8</sub> C <sub>8</sub> (CO) <sub>48</sub> ] <sup>6-</sup> octa-carbide carbonyl cluster by thermal decomposition of the [H <sub>2</sub> Ni <sub>22</sub> Co <sub>6</sub> C <sub>6</sub> (CO) <sub>36</sub> ] <sup>4-</sup> hexa-carbide. Dalton Transactions, 2013, 42, 9662.	1.6	12
35	PPh <sub>3</sub> -Derivatives of [Pt <sub>3</sub> n(CO) <sub>6</sub> i <sub>n</sub> ] <sup>2-</sup> ( <i>i</i> =6) Chiniâ€™s Clusters: Syntheses, Structures, and <sup>31</sup> P NMR Studies. Inorganic Chemistry, 2013, 52, 4384-4395.	1.9	25
36	From 3D channelled frameworks to 2D layered structures in molecular salts of <i>l</i> -serine and <i>dl</i> -serine with oxalic acid. New Journal of Chemistry, 2013, 37, 97-104.	1.4	20

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37	tetrahedral [H<sub>n</sub>Pt<sub>4</sub>(CO)<sub>4</sub>(P<sup>+</sup><sub>n</sub>P<sub>2</sub>)]<sup>n</sup> (n = 1, 2; P<sup>+</sup>P = CH<sub>2</sub>C(PPh<sub>2</sub>)<sub>2</sub>) Cationic Mono- and Dihydrido Carbonyl Clusters Obtained by Protonation of the Neutral Pt<sub>4</sub>(CO)<sub>4</sub>(P<sup>+</sup><sub>n</sub>P<sub>2</sub>). <i>Organometallics</i> , 2013, 32, 5180-5189.	1.1	14
38	Intramolecular d<sup>10</sup>-d<sup>10</sup> Interactions in a Ni<sub>6</sub>C(CO)<sub>9</sub>(AuPPh<sub>3</sub>)<sub>4</sub> Bimetallic Nickelâ€“Gold Carbide Carbonyl Cluster. <i>Inorganic Chemistry</i> , 2013, 52, 10559-10565.	1.9	21
39	Metal Segregation in Bimetallic Co-Iz-Pd Carbide Carbonyl Clusters: Synthesis, Structure, Reactivity and Electrochemistry of Bimetallic Nickelâ€“Cobalt Hexacarbido Carbonyl Clusters [H<sub>n</sub>6â€“<sub>n</sub>Co<sub>20</sub>Pd<sub>16</sub>C<sub>4</sub>(CO)<sub>48</sub>]<sup>n</sup> (<sub>n</sub>=3â€“6). <i>ChemPlusChem</i> , 2013, 78, 1456-1465.	1.8	18
40	Bimetallic Nickelâ€“Cobalt Hexacarbido Carbonyl Clusters [H<sub>n</sub>6â€“<sub>n</sub>Ni<sub>22</sub>Co<sub>6</sub>C<sub>6</sub>(CO)<sub>36</sub>]<sup>n</sup> (<sub>n</sub> = 3â€“6) Possessing Polyhydride Nature and Their Base-Induced Degradation to the Monoacetylide [Ni<sub>9</sub>CoC<sub>2</sub>(CO)<sub>16</sub>]<sup>3â€“</sup> (<sub>x</sub><sub>x</sub>). Tj ETQq0 0 0 rgBT /Ow	1.1	15
41	Synthesis, Structure, and Electrochemistry of the Niâ€“Au Carbonyl Cluster [Ni<sub>12</sub>Au(CO)<sub>24</sub>]<sup>3â€“</sup> and Its Relation to [Ni<sub>32</sub>Au<sub>6</sub>(CO)<sub>44</sub>]<sup>6â€“</sup>. <i>Inorganic Chemistry</i> , 2012, 51, 11753-11761.	1.9	18
42	Surface decorated platinum carbonyl clusters. <i>Nanoscale</i> , 2012, 4, 4166.	2.8	24