Iacopo Ciabatti

List of Publications by Year in descending order

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42	659	516561	642610
papers	citations	16 h-index	23 g-index

43	43	43	329
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Platinum Carbonyl Clusters Chemistry: Four Decades of Challenging Nanoscience. Journal of Cluster Science, 2014, 25, 115-146.	1.7	67
2	Syntheses, Structures, and Electrochemistry of the Defective ccp [Pt₃₃(CO)₃₈]^{2â€“} and the bcc [Pt₄₀(CO)₄₀]^{6â€“} Molecular Nanoclusters. Inorganic Chemistry, 2016, 55, 6068-6079.	1.9	32
3	The role of gold in transition metal carbonyl clusters. Coordination Chemistry Reviews, 2018, 355, 27-38.	9.5	31
4	PPh₃-Derivatives of [Pt_{3n}(CO)_{6n}]^{2â€“} (n = 2â€“6) Chiniâ€™s Clusters: Syntheses, Structures, and ³¹P NMR Studies. Inorganic Chemistry, 2013, 52, 4384-4395.	1.9	25
5	Surface decorated platinum carbonyl clusters. Nanoscale, 2012, 4, 4166.	2.8	24
6	Bimetallic Feâ€“Au Carbonyl Clusters Derived from Collmanâ€™s Reagent: Synthesis, Structure and DFT Analysis of Fe(CO)4(AuNHC)2 and [Au3Fe2(CO)8(NHC)2]â^. Journal of Cluster Science, 2017, 28, 703-723.	1.7	23
7	Heteroleptic Chini-Type Platinum Clusters: Synthesis and Characterization of Bis-Phospine Derivatives of [Pt_{3n}(CO)_{6n}]^{2â€“} (n = 2â€“4). Inorganic Chemistry, 2017, 56, 1655-1668.	1.9	22
8	Intramolecular d¹⁰â€“d¹⁰ Interactions in a Ni₆C(CO)₉(AuPPh₃)₄ Bimetallic Nickelâ€“Gold Carbide Carbonyl Cluster. Inorganic Chemistry, 2013, 52, 10559-10565.	1.9	21
9	Molecular Structures of the [Bi@Rh₁₂(CO)₂₇]^{3â€“}, [(Bi@Rh₁₂(CO)₂₆)₂Bi]^{5â€“}, [Bi@Rh₁₄(CO)₂₇Bi₂]^{3â€“}, and [Bi@Rh₁₇(CO)₃₃Bi₂]^{4â€“} Carbonyl Clusters. Inorganic Chemistry, 2017, 56, 6343-6351.	1.9	21
10	From 3D channelled frameworks to 2D layered structures in molecular salts of<scp>l</scp>-serine and<scp>dl</scp>-serine with oxalic acid. New Journal of Chemistry, 2013, 37, 97-104.	1.4	20
11	Platinum carbonyl clusters stabilized by Sn(<scp>ii</scp>)-based fragments: syntheses and structures of [Pt₆(CO)₆(SnCl₂)₂(SnCl₃)₄]^{4â^’}, [Pt₉(CO)₈(SnCl₂)₃(SnCl₃)₂(Cl₂SnOCOSnCl₃)₂]^{2â^’} and [Pt₁₀(CO)₁₄{Cl₂Sn(OH)SnCl₂}₂]^{2â^’}.	1.6	20
12	Octahedral Co-Carbide Carbonyl Clusters Decorated by [AuPPh₃]⁺ Fragments: Synthesis, Structural Isomerism, and Aurophilic Interactions of Co₆C(CO)₁₂(AuPPh₃)₄. Inorganic Chemistry, 2014, 53, 9761-9770.	1.9	19
13	Synthesis, Structure, and Electrochemistry of the Niâ€“Au Carbonyl Cluster [Ni₁₂Au(CO)₂₄]^{3â€“} and Its Relation to [Ni₃₂Au₆(CO)₄₄]^{6â€“}. Inorganic Chemistry, 2012, 51, 11753-11761.	1.9	18
14	Metal Segregation in Bimetallic Coï£¿Pd Carbide Carbonyl Clusters: Synthesis, Structure, Reactivity and Electrochemistry of [H₆â^n</sub>Co₂₀Pd₁₆C₄(CO)₄₈]^{nâ^’} (n=3â€“6). ChemPlusChem, 2013, 78, 1456-1465.	1.3	18
15	Homoleptic and heteroleptic Au(i) complexes containing the new [Co5C(CO)12]â^’ cluster as ligand. Dalton Transactions, 2014, 43, 9633.	1.6	18
16	Niâ€“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
17	Reactions of Platinum Carbonyl Chini Clusters with Ag(NHC)Cl Complexes: Formation of Acidâ€“Base Lewis Adducts and Heteroleptic Clusters. Inorganic Chemistry, 2017, 56, 6532-6544.	1.9	16
18	Bimetallic Nickelâ€“Cobalt Hexacarbido Carbonyl Clusters [H₆â€“n</sub>Ni₂₂Co₆C₆(CO)₃₆]^{nâ^’} (n = 3â€“6) Possessing Polyhydride Nature and Their Base-Induced Degradation to the Monoacetylide [Ni₉CoC₂(CO)_{16â€“x}]^{3â€“} (x) Tj ETQq0 0 0 rgBT /Ov	1.1	15

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19	Peraurated nickel carbide carbonyl clusters: the cationic [Ni₆(C)(CO)₈(AuPPh₃)₈]²⁺monocarbide and the [Ni₁₂(C)(C₂)(CO)₁₇(AuPPh₃)₃]^{â^'}anion Tetrahedral [H_nPt₄(CO)₄(P^{â^§}P)₂]ⁿ⁺ (n = 1, 2; P^{â^§}P = CH₂â•C(PPh₂)₂) Cationic Mono- and Dihydrido Carbonyl Clusters Obtained by Protonation of the Neutral Pt₄(CO)₄(P^{â^§}P)₂. Organometallics, 2013, 32, 5180-5189.	1.6	15
20	Structural rearrangements induced by acidâ€“base reactions in metal carbonyl clusters: the case of [H_{3â^'n}Co₁₅Pd₉C₃(CO)₃₈]^{nâ^'}(n)	1.1	14
21	Syntheses of [Pt₆(CO)₈(SnCl₂)(SnCl₃)₄]^{4â€“} and [Pt₆(CO)₈(SnCl₂)(SnCl₃)₂(PPh₃)₂]<sup>2 Platinumâ€“Carbonyl Clusters Decorated by Sn^{II} Fragments. European Journal of Inorganic Chemistry, 2016, 2016, 3939-3949.	1.6	14
22	Synthesis of the Highly Reduced [Fe₆C(CO)₁₅]^{4â€“} Carbonyl Carbide Cluster and Its Reactions with H⁺ and [Au(PPh₃)]⁺. European Journal of Inorganic Chemistry, 2017, 2017, 3135-3143.	1.0	14
23	Alternative synthetic route for the heterometallic CO-releasing [Sb@Rh12(CO)27]3â^' icosahedral carbonyl cluster and synthesis of its new unsaturated [Sb@Rh12(CO)24]4â^' and dimeric [{Sb@Rh12Sb(CO)25}2Rh(CO)2PPh3]7â^' derivatives. Progress in Natural Science: Materials International, 2016, 26, 461-466.	1.0	14
24	Selective synthesis of the [Ni36Co8C8(CO)48]6â^' octa-carbide carbonyl cluster by thermal decomposition of the [H2Ni22Co6C6(CO)36]4â^' hexa-carbide. Dalton Transactions, 2013, 42, 9662.	1.8	13
25	The Redox Chemistry of [Co₆C(CO)₁₅]^{2â€“}: A Synthetic Route to New Co-Carbide Carbonyl Clusters. Inorganic Chemistry, 2014, 53, 3818-3831.	1.6	12
26	Co5C and Co4C carbido carbonyl clusters stabilized by [AuPPh3]+ fragments. Inorganica Chimica Acta, 2015, 428, 203-211.	1.9	12
27	Molecular nickel poly-carbide carbonyl nanoclusters: The octa-carbide [HNi42C8(CO)44(CuCl)]7â€“ and the deca-carbide [Ni45C10(CO)46]6â€“. Journal of Organometallic Chemistry, 2016, 812, 229-239.	1.2	12
28	Water soluble derivatives of platinum carbonyl Chini clusters: synthesis, molecular structures and cytotoxicity of [Pt₁₂(CO)₂₀(PTA)₄]^{2â^'}and [Pt₁₅(CO)₂₅(PTA)₅]^{2â^'}. Dalton Transactions, 2018, 47, 4467-4477.	0.8	11
29	Cluster Core Isomerism Induced by Crystal Packing Effects in the [HCo₁₅Pd₉C₃(CO)₃₈]^{2â€“} Molecular Nanocluster. ACS Omega, 2018, 3, 13239-13250.	1.6	11
30	Synthesis of [Pt₁₂(CO)₂₀(dppm)₂]^{2â€“} and [Pt₁₈(CO)₃₀(dppm)₃]^{2â€“} Heteroleptic Chini-type Platinum Clusters by the Oxidative Oligomerization of [Pt₆(CO)₁₂(dppm)]^{2â€“}. Inorganic Chemistry, 2018, 57, 7578-7590.	1.6	11
31	Hydride Migration from a Triangular Face to a Tetrahedral Cavity in Tetranuclear Iron Carbonyl Clusters upon Coordination of [AuPPh₃]⁺ Fragments. Angewandte Chemie - International Edition, 2014, 53, 7233-7237.	1.9	11
32	Molecular Nickel Phosphide Carbonyl Nanoclusters: Synthesis, Structure, and Electrochemistry of [Ni₁₁P(CO)₁₈]^{3â€“} and [H_{6â€“n}Ni₃₁P₄(CO)₃₉]^{nâ^'} (n = 4 and 5). Inorganic Chemistry, 2018, 57, 1136-1147.	7.2	10
33	Globular molecular platinum carbonyl nanoclusters: Synthesis and molecular structures of the [Pt 26 (CO) 32] â^' and [Pt 14+x (CO) 18+x] 4â^' anions and their comparison to related platinum â€œbrownsâ€• Inorganica Chimica Acta, 2018, 470, 238-249.	1.9	10
34	The redox chemistry of [Ni9C(CO)17]2â€“ and [Ni10(C2)(CO)16]2â€“: Synthesis, electrochemistry and structure of [Ni12C(CO)18]4â€“ and [Ni22(C2)4(CO)28(Et2S)]2â€“. Journal of Organometallic Chemistry, 2017, 849-850, 299-305.	1.2	10
35	Paolo Chini: The Chemical Architect of Metal Carbonyl Clusters. Journal of Cluster Science, 2019, 30, 1623-1631.	0.8	8
36		1.7	8

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37	The Chemistry of Niâ€“Sb Carbonyl Clusters â€“ Synthesis and Characterization of the [Ni₁₉Sb₄(CO)₂₆]^{4â€“} Tetraanion and the Viologen Salts of [Ni₁₃Sb₂(CO)₂₄]^{nâ€“} Carbonyl Clusters. European Journal of Inorganic Chemistry, 2014, 2014, 4151-4158.	1.0	6
38	Capping [H8â^'nNi42C8(CO)44]nâ^' (nÂ=Â6, 7, 8) Octa-carbide Carbonyl Nanoclusters with [Ni(CO)] and [CuCl] Fragments. Journal of Cluster Science, 2017, 28, 1963-1979.	1.7	6
39	Bimetallic Feâ€“Cu Carbido Carbonyl Clusters Obtained from the Reactions of [Fe4C(CO)12{Cu(MeCN)}2] with N-Donor Ligands. Journal of Cluster Science, 2016, 27, 431-456.	1.7	5
40	Hydride Migration from a Triangular Face to a Tetrahedral Cavity in Tetranuclear Iron Carbonyl Clusters upon Coordination of [AuPPh 3] + Fragments. Angewandte Chemie, 2014, 126, 7361-7365.	1.6	2
41	[H3â€“nFe4(CO)12(IrCOD)]nâ^'(n= 1, 2) and [H2Fe3(CO)10(IrCOD)]â^'Bimetallic Feâ€“Ir Hydride Carbonyl Clusters. Organometallics, 2015, 34, 189-197.	1.1	2
42	Synthesis of the Highly Reduced [Fe6 C(CO)15]4- Carbonyl Carbide Cluster and Its Reactions with H+ and [Au(PPh3)]+. European Journal of Inorganic Chemistry, 2017, 2017, 3134-3134.	1.0	2