

Luciano Pandolfo

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Supramolecular Assemblies of Trinuclear Triangular Copper(II) Secondary Building Units through Hydrogen Bonds. Generation of Different Metal-Organic Frameworks, Valuable Catalysts for Peroxidative Oxidation of Alkanes. <i>Inorganic Chemistry</i> , 2007, 46, 221-230.	4.0	188
2	Sorption-Desorption Behavior of Bispyrazolato-Copper(II) 1D Coordination Polymers. <i>Journal of the American Chemical Society</i> , 2005, 127, 6144-6145.	13.7	175
3	One-Dimensional and Two-Dimensional Coordination Polymers from Self-Assembling of Trinuclear Triangular Cu(II) Secondary Building Units. <i>Inorganic Chemistry</i> , 2005, 44, 6265-6276.	4.0	143
4	Spontaneous Self-Assembly of an Unsymmetric Trinuclear Triangular Copper(II) Pyrazolate Complex, $[\text{Cu}_3(\frac{1}{4}\text{-OH})(\frac{1}{4}\text{-pz})_3(\text{MeCOO})_2(\text{Hpz})]$ (Hpz = Pyrazole). Synthesis, Experimental and Theoretical Characterization, Reactivity, and Catalytic Activity. <i>Inorganic Chemistry</i> , 2004, 43, 5865-5876.	4.0	117
5	Synthetic fragments and analogues of elastin. II. Conformational studies. <i>Biopolymers</i> , 1990, 29, 855-870.	2.4	86
6	New coordination polymers based on the triangular $[\text{Cu}_3(\frac{1}{4}\text{-OH})(\frac{1}{4}\text{-pz})_3]^{2+}$ unit and unsaturated carboxylates. <i>Dalton Transactions</i> , 2009, , 4928.	3.3	86
7	Trinuclear Triangular Copper(II) Clusters – Synthesis, Electrochemical Studies and Catalytic Peroxidative Oxidation of Cycloalkanes. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 666-676.	2.0	81
8	Tuning the Functional Properties of Metal Complexes Containing Polytropic Heteroaromatic Nitrogen Ligands. <i>Chemistry - A European Journal</i> , 2010, 16, 1106-1123.	3.3	77
9	Green and low temperature synthesis of nanocrystalline transition metal ferrites by simple wet chemistry routes. <i>Nano Research</i> , 2014, 7, 1027-1042.	10.4	69
10	The Different Supramolecular Arrangements of the Triangular $[\text{Cu}_3(\frac{1}{4}\text{-OH})(\frac{1}{4}\text{-pz})_3]^{2+}$ (pz = Pyrazolate) Secondary Building Units. Synthesis of a Coordination Polymer with Permanent Hexagonal Channels. <i>Crystal Growth and Design</i> , 2007, 7, 676-685.	3.0	65
11	Functionalized ylides: new trends in organometallic chemistry. <i>Journal of Organometallic Chemistry</i> , 1998, 557, 37-68.	1.8	62
12	The competition between acetate and pyrazolate in the formation of polynuclear Zn(ii) coordination complexes. <i>Dalton Transactions</i> , 2006, , 2479.	3.3	47
13	Magnetic Properties and Vapochromic Reversible Guest-Induced Transformation in a Bispyrazolato Copper(II) Polymer: an Experimental and Dispersion-Corrected Density Functional Theory Study. <i>Inorganic Chemistry</i> , 2009, 48, 4044-4051.	4.0	44
14	Reactions of a Coordination Polymer Based on the Triangular Cluster $[\text{Cu}_3(\frac{1}{4}\text{-OH})(\frac{1}{4}\text{-pz})_3]^{2+}$ with Strong Acids. Crystal Structure and Supramolecular Assemblies of New Mono-, Tri-, and Hexanuclear Complexes and Coordination Polymers. <i>Crystal Growth and Design</i> , 2010, 10, 3120-3131.	3.0	41
15	XAS and GIXRD Study of Co Sites in CoAl_2O_4 Layers Grown by MOCVD. <i>Chemistry of Materials</i> , 2010, 22, 1933-1942.	6.7	41
16	New Coordination Polymers and Porous Supramolecular Metal Organic Network Based on the Trinuclear Triangular Secondary Building Unit $[\text{Cu}_3(\frac{1}{4}\text{-OH})(\frac{1}{4}\text{-pz})_3]^{2+}$ and 4,4'-Bipyridine. <i>Crystal Growth and Design</i> , 2012, 12, 2890-2901.	3.0	40
17	An Experimental and Theoretical Study of the Electronic Structure of Zinc Thiophenolate-Capped Clusters. <i>Inorganic Chemistry</i> , 1997, 36, 4707-4716.	4.0	37
18	The Organometallic Chemistry of Carbon Suboxide. <i>Comments on Inorganic Chemistry</i> , 1991, 12, 213-235.	5.2	28

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19	Synthesis, Solid-State NMR, and X-ray Powder Diffraction Characterization of Group 12 Coordination Polymers, Including the First Example of a C-Mercuriated Pyrazole. <i>Inorganic Chemistry</i> , 2006, 45, 9064-9074.	4.0	28
20	Reaction of Ketenylidetriphenylphosphorane (Ph ₃ PCCO) with Platinum(II) and Palladium(II) Complexes. Synthesis, Characterization, and Molecular Structure of [Pt(̄-3-C ₃ H ₅){̄-1-C(PPh ₃)(CO)}(PPh ₃)]BF ₄ . <i>Organometallics</i> , 1996, 15, 3250-3252.	2.3	27
21	Organometallic Chemistry of Ph ₃ PCCO. Synthesis, Characterization, X-ray Structure Determination, and Density Functional Study of the First Stable Bis-̄-1-ketenyl Complex, trans-[PtCl ₂ {̄-1-C(PPh ₃ CO)} ₂]. <i>Organometallics</i> , 2000, 19, 1373-1383.	2.3	27
22	The organometallic chemistry of Ph ₃ P̄...C̄...C̄...O.. <i>Coordination Chemistry Reviews</i> , 2003, 236, 15-33.	18.8	27
23	Coordination Polymers Based on the Trinuclear Triangular Secondary Building Unit [Cu ₃ (̄-3-OH)(̄-3-pz) ₃] ²⁺ (pz = pyrazolate) and Succinate Anion. <i>Crystal Growth and Design</i> , 2013, 13, 126-135.	3.0	26
24	The behaviour of [Pt(̄-3-allyl)XP(C ₆ H ₅) ₃] complexes in electrospray ionization conditions compared with those achieved by other ionization methods. <i>Rapid Communications in Mass Spectrometry</i> , 1997, 11, 1859-1866.	1.5	24
25	Coordination polymers from mild condition reactions of copper(II) carboxylates with pyrazole (Hpz). Influence of carboxylate basicity on the self-assembly of the [Cu ₃ (̄-3-OH)(̄-3-pz) ₃] ²⁺ secondary building unit. <i>Inorganica Chimica Acta</i> , 2017, 455, 618-626.	2.4	24
26	Reactivity of carbon suboxide toward As and P stabilized ylides. Crystal and molecular structure of CH ₂ {C(=O) [C(=AsPh ₃) (COOMe)] ₂ . <i>Inorganica Chimica Acta</i> , 1995, 237, 27-35.	2.4	22
27	Coordination polymers based on trinuclear and mononuclear copper-pyrazolate building moieties connected by fumarate or 2-methylfumarate ions. <i>Journal of Organometallic Chemistry</i> , 2012, 714, 74-80.	1.8	21
28	Synthesis and Structural Characterizations of New Coordination Polymers Generated by the Interaction Between the Trinuclear Triangular SBU [Cu ₃ (̄-3-OH)(̄-3-pz) ₃] ²⁺ and 4,4'-Bipyridine. 3Å°. <i>Crystal Growth and Design</i> , 2015, 15, 4854-4862.	3.0	21
29	Interaction of the Trinuclear Triangular Secondary Building Unit [Cu ₃ (̄-3-OH)(̄-3-pz) ₃] ²⁺ with 4,4'-Bipyridine. Structural Characterizations of New Coordination Polymers and Hexanuclear Cu ₆ Clusters. 2Å°. <i>Crystal Growth and Design</i> , 2015, 15, 1259-1272.	3.0	20
30	Reactions of C ₃ O ₂ with Stabilized Triphenylphosphoranes Ph ₃ P̄-̄-3/4CHX(X̄-̄-3/4CN, COMe, CPh). <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 576-578.	4.4	19
31	Physico-chemical and structural characterization of a series of nylons. <i>European Polymer Journal</i> , 1988, 24, 99-102.	5.4	18
32	Reaction of Copper(II) Chloroacetate with Pyrazole. Synthesis of a One-Dimensional Coordination Polymer and Unexpected Dehydrochlorination Reaction. <i>Crystal Growth and Design</i> , 2015, 15, 5910-5918.	3.0	18
33	Trinuclear copper(II) pyrazolate compounds: a long story of serendipitous discoveries and rational design. <i>CrystEngComm</i> , 2017, 19, 1701-1720.	2.6	17
34	Carbon suboxide polymers. <i>European Polymer Journal</i> , 1986, 22, 491-497.	5.4	16
35	Experimental and Theoretical Investigation of the Molecular and Electronic Structure of [Zn ₄ (̄-4-S){̄-4-S ₂ As(CH ₃) ₂ } ₆] and [Cd ₄ (̄-4-S){̄-4-S ₂ As(CH ₃) ₂ } ₆]: A Two Possible Molecular Models of Extended Metal Chalcogenide Semiconductors. <i>Inorganic Chemistry</i> , 1999, 38, 1145-1152.		16
36	Reactions of Carbon Suboxide with Platinum(O) Complexes. <i>Angewandte Chemie International Edition in English</i> , 1981, 20, 288-289.	4.4	15

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37	Synthetic fragments and analogues of elastin. I. The synthesis. <i>Biopolymers</i> , 1990, 29, 845-854.	2.4	15
38	Pursuing the stabilisation of crystalline nanostructured magnetic manganites through a green low temperature hydrothermal synthesis. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3359-3371.	5.5	15
39	Organogermanium and organotin amido derivatives of carbon suboxide. Crystal and molecular structure of (Me ₃ M) ₂ C(CONMe) ₂ (M = germanium, tin). <i>Organometallics</i> , 1988, 7, 210-214.	2.3	13
40	Reaction of ketenylidetriphenylphosphorane, Ph ₃ PC≡C...O, with water: formation of methyltriphenylphosphonium hydrogencarbonate. <i>Journal of Organometallic Chemistry</i> , 2002, 642, 64-70.	1.8	13
41	An Effective Two-Emulsion Approach to the Synthesis of Doped ZnS Crystalline Nanostructures. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 706-714.	2.0	13
42	Reactivity of ketenylidetriphenylphosphorane (Ph ₃ PC≡C...O) with Pt(II) complexes. Evidences of formation of an up to now unknown bis- η^1 -ketenyl derivative. <i>Journal of Organometallic Chemistry</i> , 1999, 583, 146-151.	1.8	12
43	Ion-molecule chemistry of carbon suboxide in an ion-trap mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 1999, 190-191, 171-179.	1.5	12
44	UV-Photoelectron Spectra of [M(η^3 -C ₃ H ₅) ₂] (M = Ni, Pd, Pt) Revisited: A Quasi-Relativistic Density Functional Study. <i>Organometallics</i> , 2001, 20, 754-762.	2.3	12
45	Further Insights into the Structure of [M(η^2 (C,C ϵ^-)-C ₃ O ₂)(PPh ₃) ₂] (M = Ni, Pd, Pt) by Quasi-Relativistic Density Functional Calculations and Solid-State CP/MAS NMR. <i>Organometallics</i> , 2002, 21, 2235-2239.	2.3	12
46	Heterocumulenes: Reaction of C ₃ O ₂ with Ketenylidetriphenylphosphorane; Synthesis and Structure of a Spirobis(cyclobutanedione). <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 83-85.	4.4	11
47	Further crystallographic evidence of NH η^1 / η^2 η^1 / η^2 η^1 / η^2 ? (system) and CO η^1 / η^2 η^1 / η^2 η^1 / η^2 ? (system) interactions: The structures of bis(diarylhydrazonecarbonyl)methylene derivatives [{ArPhC η^1 NNH η^2 C(O)} ₂ CH ₂] (Ar = Ph, 2-C ₅ H ₄ N,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,182 Td (cis-1,2-bis	2.4	10
48	Reactions of Carbon Suboxide with Rhodium(I) Complexes. <i>Angewandte Chemie International Edition in English</i> , 1981, 20, 289-290.	4.4	10
49	Ketene reactivity of trans-bis(tricyclohexylphosphine)(η^1 -formylketenyl)hydridoplatinum(II). Crystal and molecular structure of the aniline derivative. 17. <i>Organometallics</i> , 1991, 10, 1527-1530.	2.3	10
50	Synthesis, characterization and crystal structure of [Pt(Me)(dppe){ η^1 -CH(PPh ₃)(COOEt)}]BF ₄ . An example of overcrowded molecule and correlated properties. <i>Journal of Organometallic Chemistry</i> , 2001, 629, 201-207.	1.8	10
51	Synthesis, characterization and reactivity of platinum-substituted ketenes [PtX(η^1 -C(PPh ₃)CO)L ₂]BF ₄ , (X=Me, Cl; L ₂ =1,5-cyclooctadiene, 1,2-bis(diphenylphosphino)ethane,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,182 Td (cis-1,2-bis	2.4	10
52	Simple, common but functional: biocompatible and luminescent rare-earth doped magnesium and calcium hydroxides from miniemulsion. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6639-6651.	5.8	10
53	Reactivity of a platinum η^1 -formylketenyl complex synthesis of a platinum η^1 -pyrone derivative via generation and trapping of a C ₃ H ₂ O ₂ species. 20. <i>Inorganica Chimica Acta</i> , 1993, 210, 39-45.	2.4	9
54	Dinuclear copper(II) trispyrazolylborate derivatives with bridging pyrazolate anions. <i>Inorganic Chemistry Communication</i> , 2008, 11, 665-668.	3.9	9

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55	Density Functional Theory Study of the Binding Capability of Tris(pyrazol-1-yl)methane toward Cu(I) and Ag(I) Cations. <i>Journal of Physical Chemistry A</i> , 2008, 112, 6723-6731.	2.5	9
56	Synthesis, characterization, crystal structure and preliminary reactivity behaviour of new heteropolytopic ligands based on the 1,3,5-triazine spacer and pyrazolyl, tris-pyrazolylmethyl and tris-pyrazolylethoxy bonding fragments. <i>Dalton Transactions</i> , 2011, 40, 4941.	3.3	9
57	An experimental and theoretical study of the electronic and molecular structure of $[Zn_4(\mu_4-S)(\mu_4-S_2P(OC_2H_5)_2)_6]$: the first molecular model of ZnS. <i>Journal of Organometallic Chemistry</i> , 2000, 593-594, 307-314.	1.8	8
58	Thiophenolate clusters as potential nanosized building blocks for zinc-based nanocomposite materials: synthesis and characterization. <i>Inorganica Chimica Acta</i> , 2005, 358, 2739-2748.	2.4	8
59	Influence of the solvent in the formation of different 1D and 2D coordination polymers from the reaction of copper(II) phthalate with pyrazole. <i>Inorganica Chimica Acta</i> , 2014, 416, 186-194.	2.4	8
60	Ligand-Field Strength and Symmetry-Restricted Covalency in Cu(I) Complexes - a Near-Edge X-ray Absorption Fine Structure Spectroscopy and Time-Dependent DFT Study. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 2707-2713.	2.0	8
61	Investigation on the interconversion from DMF-solvated to unsolvated copper(II) pyrazolate coordination polymers. <i>CrystEngComm</i> , 2020, 22, 3294-3308.	2.6	8
62	Synthesis of a pyrone derivative from carbon suboxide and acetylacetonone catalyzed by acetylacetonate-metal complexes. <i>Journal of Molecular Catalysis</i> , 1984, 27, 343-348.	1.2	7
63	Reaction of trans-[Pt(H) ₂ (PCy ₃) ₂] with C ₆₀ reductive elimination of H ₂ and formation of [Pt(PCy ₃) ₂ (i-2-C ₆₀)]. <i>Journal of Organometallic Chemistry</i> , 1997, 540, 61-65.	1.8	7
64	Tris(pyrazol-1-yl)borate and tris(pyrazol-1-yl)methane: A DFT study of their different binding capability toward Ag(I) and Cu(I) cations. <i>Inorganica Chimica Acta</i> , 2009, 362, 4358-4364.	2.4	7
65	Synthesis, characterization and molecular structure of a zinc(II) formate-2,2'-bipyridine mono-dimensional coordination polymer. Comparison with other 2,2'-bipyridine coordination compounds. <i>Inorganica Chimica Acta</i> , 2016, 453, 263-267.	2.4	7
66	1D and 3D coordination polymers based on the Cu ₃ (μ_3 -OH)(μ_4 -pz) ₃ and Cu(Hpz) ₃ SBUs connected by the flexible glutarate dianion. <i>Inorganica Chimica Acta</i> , 2018, 470, 385-392.	2.4	7
67	Stereochemical pattern of phosphine oxidation by a peroxometallacyclic platinum complex. Evidence of an intramolecular process. <i>Journal of Organometallic Chemistry</i> , 1994, 483, 147-151.	1.8	6
68	Metal-substituted ketenes: first ¹³ C and ³¹ P CP/MAS NMR determinations. <i>Inorganic Chemistry Communication</i> , 2001, 4, 145-149.	3.9	6
69	Carbonyl copper(II) complexes with hydrotris(1,2,4-triazolyl)borate, hydrotris(pyrazolyl)borate, and tris(pyrazolyl)methane ligands: a DFT study. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 94-96.	2.8	6
70	From Thioxo Cluster to Dithio Cluster: Exploring the Chemistry of Polynuclear Zirconium Complexes with S ₂ O and S ₂ S Ligands. <i>Inorganic Chemistry</i> , 2011, 50, 489-502.	4.0	6
71	Vapochromic properties versus metal ion coordination of μ_2 -bispyrazolato copper(II) coordination polymers: a first-principles investigation. <i>CrystEngComm</i> , 2015, 17, 407-411.	2.6	6
72	Reaktionen von Kohlenstoffsuboxid mit Rhodium(I)-Komplexen. <i>Angewandte Chemie</i> , 1981, 93, 295-296.	2.0	5

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73	On the gas-phase reaction of C ₃ O ₂ ⁺ with C ₃ O ₂ . <i>Organic Mass Spectrometry</i> , 1994, 29, 540-546.	1.3	5
74	An experimental and theoretical investigation of the molecular and electronic structure of 2-amino-4-chloro-6-pyrazolyl-[1,3,5]triazine, forming supramolecular linear tapes in the solid state. <i>New Journal of Chemistry</i> , 2008, 32, 358-364.	2.8	5
75	A Tetranuclear Planar Hafnium Complex Containing O-Hf-S Moieties. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 3281-3283.	2.0	5
76	Synthesis of Coordination Polymers and Discrete Complexes from the Reaction of Copper(II) Carboxylates with Pyrazole: Role of Carboxylates Basicity. <i>Crystal Growth and Design</i> , 2022, 22, 1032-1044.	3.0	5
77	Structural investigation of the hydroxy-propynal molecular ion. <i>Rapid Communications in Mass Spectrometry</i> , 1993, 7, 132-137.	1.5	4
78	Gas-phase ion chemistry of carbon suboxide. <i>Organic Mass Spectrometry</i> , 1994, 29, 57-59.	1.3	4
79	Fast atom bombardment mass spectrometry of reaction products between C ₃ O ₂ and stabilized phosphorus ylides. <i>Organic Mass Spectrometry</i> , 1994, 29, 619-624.	1.3	4
80	Trinuclear Cu(II) complexes from the classic [Cu ₂ (RCOO) ₄ (H ₂ O) ₂] lantern complex and pyrazole: a DFT modelling of the reaction path. <i>Inorganica Chimica Acta</i> , 2018, 470, 93-99.	2.4	4
81	On the reactivity of C ₃ O ₂ with [C ₃ H ₆] ⁺ . <i>Journal of Mass Spectrometry</i> , 1995, 30, 1049-1050.	1.6	3
82	A quasi-relativistic density functional study of structural and electronic properties of the bis-ketene cis-[Pt{ η -3-C ₃ H ₅ }{ η -1-C(PPh ₃)CO} ₂] ⁺ . <i>Journal of Organometallic Chemistry</i> , 2003, 682, 255-259.	1.8	3
83	The crystal structure of Pt(II)- <i>trans</i> -[(bis-tricyclohexylphosphine)(η -hydroformyl- <i>tert</i> -butylamido)(hydride)]. <i>Zeitschrift für Kristallographie</i> , 1991, 197, 89-95.		
84	Crystal structure, supramolecular assembly and preliminary reactivity behaviour of new heteropolytopic ligands based on oxalate/malonate skeleton and azolate moieties. <i>CrystEngComm</i> , 2010, 12, 1217-1226.	2.6	2
85	Synthesis, characterization and interaction with DNA of dichlorobiscyclo-(glycyl-L-methionyl)platinum(II). <i>Inorganica Chimica Acta</i> , 1982, 67, L51-L52.	2.4	1
86	Heterocumulene- π -Reaktion von C ₃ O ₂ mit Ketenylidetriphenylphosphoran sowie Synthese und Struktur eines Spirobis(cyclobutandions). <i>Angewandte Chemie</i> , 1996, 108, 75-77.	2.0	1
87	Correction to New Coordination Polymers and Porous Supramolecular Metal Organic Network Based on the Trinuclear Triangular Secondary Building Unit [Cu ₃ (η -3-OH)(η -pz) ₃] ₂ and 4,4'-Bipyridine. <i>Crystal Growth and Design</i> , 2013, 13, 1799-1799.		1
88	[Zn ₁₀ (μ -4-S)(μ -3-S) ₆ (Py) ₉ (SO ₄) ₃] as a molecular model of ZnS surfaces: an experimental and theoretical study. <i>Theoretical Chemistry Accounts</i> , 2012, 131, 1.	1.4	0
89	[Zn ₁₀ (η -4-S)(η -3-S) ₆ (Py) ₉ (SO ₄) ₃] as a molecular model of ZnS surfaces: an experimental and theoretical study. <i>Highlights in Theoretical Chemistry</i> , 2013, , 161-168.	0.0	0