Luciano Pandolfo

List of Publications by Year
in descending order

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89 papers	2,207 citations	257450 24 h-index	243625 44 g-index
95 all docs	95 docs citations	95 times ranked	1900 citing authors

#	Article	IF	Citations
1	Synthesis of Coordination Polymers and Discrete Complexes from the Reaction of Copper(II) Carboxylates with Pyrazole: Role of Carboxylates Basicity. Crystal Growth and Design, 2022, 22, 1032-1044.	3.0	5
2	Investigation on the interconversion from DMF-solvated to unsolvated copper(ii) pyrazolate coordination polymers. CrystEngComm, 2020, 22, 3294-3308.	2.6	8
3	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. Inorganica Chimica Acta, 2018, 470, 93-99.	2.4	4
4	1D and 3D coordination polymers based on the Cu 3 (Î¼ 3 -OH)(Î¼ -pz) 3 and Cu(Hpz) 3 SBUs connected by the flexible glutarate dianion. Inorganica Chimica Acta, 2018, 470, 385-392.	2.4	7
5	Coordination polymers from mild condition reactions of copper(II) carboxylates with pyrazole (Hpz). Influence of carboxylate basicity on the self-assembly of the [Cu3(Î¼3-OH)(Î¼-pz)3]2+ secondary building unit. Inorganica Chimica Acta, 2017, 455, 618-626.	2.4	24
6	Pursuing the stabilisation of crystalline nanostructured magnetic manganites through a green low temperature hydrothermal synthesis. Journal of Materials Chemistry C, 2017, 5, 3359-3371.	5.5	15
7	Trinuclear copper(<scp>ii</scp>) pyrazolate compounds: a long story of serendipitous discoveries and rational design. CrystEngComm, 2017, 19, 1701-1720.	2.6	17
8	Synthesis, characterization and molecular structure of a zinc(II) formate-2,2â€²-bipyridine mono-dimensional coordination polymer. Comparison with other 2,2-bipyridine coordination compounds. Inorganica Chimica Acta, 2016, 453, 263-267.	2.4	7
9	Ligand-Field Strength and Symmetry-Restricted Covalency in CuIIComplexes - a Near-Edge X-ray Absorption Fine Structure Spectroscopy and Time-Dependent DFT Study. European Journal of Inorganic Chemistry, 2015, 2015, 2707-2713.	2.0	8
10	Interaction of the Trinuclear Triangular Secondary Building Unit [Cu₃(Î¼₃-OH)(Î¼-pz)₃]²⁺ with 4,4â€²-Bipyridine. Structural Characterizations of New Coordination Polymers and Hexanuclear Cu^{II} Clusters. 2Å°. Crystal Growth and Design, 2015, 15, 1259-1272.	3.0	20
11	An Effective Two-Emulsion Approach to the Synthesis of Doped ZnS Crystalline Nanostructures. European Journal of Inorganic Chemistry, 2015, 2015, 706-714.	2.0	13
12	Synthesis and Structural Characterizations of New Coordination Polymers Generated by the Interaction Between the Trinuclear Triangular SBU [Cu₃(Î¼₃-OH)(Î¼-pz)₃]²⁺ and 4,4â€²-Bipyridine. 3Å°. Crystal Growth and Design, 2015, 15, 4854-4862.	3.0	21
13	Reaction of Copper(II) Chloroacetate with Pyrazole. Synthesis of a One-Dimensional Coordination Polymer and Unexpected Dehydrochlorination Reaction. Crystal Growth and Design, 2015, 15, 5910-5918.	3.0	18
14	Vapochromic properties versus metal ion coordination of Î²-bispyrazolatoâ€“copper(<scp>ii</scp>) coordination polymers: a first-principles investigation. CrystEngComm, 2015, 17, 407-411.	2.6	6
15	Simple, common but functional: biocompatible and luminescent rare-earth doped magnesium and calcium hydroxides from miniemulsion. Journal of Materials Chemistry B, 2014, 2, 6639-6651.	5.8	10
16	Influence of the solvent in the formation of different 1D and 2D coordination polymers from the reaction of copper(II) phthalate with pyrazole. Inorganica Chimica Acta, 2014, 416, 186-194.	2.4	8
17	Green and low temperature synthesis of nanocrystalline transition metal ferrites by simple wet chemistry routes. Nano Research, 2014, 7, 1027-1042.	10.4	69
18	Correction to New Coordination Polymers and Porous Supramolecular Metal Organic Network Based on the Trinuclear Triangular Secondary Building Unit [Cu3(Î¼3-OH)(Î¼-pz)3]2+and 4,4â€²-Bypiridine. 1Å°. Crystal Growth and Design, 2013, 13, 1799-1799.	3.0	1

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19	Coordination Polymers Based on the Trinuclear Triangular Secondary Building Unit [Cu₃(Î¼4₃-OH)(Î¼-pz)₃]²⁺ (pz = pyrazolate) and Succinate Anion. Crystal Growth and Design, 2013, 13, 126-135.	3.0	26
20	[Zn10(Î¼4-S)(Î¼3-S)6(Py)9(SO4)3] as a molecular model of ZnS surfaces: an experimental and theoretical study. Highlights in Theoretical Chemistry, 2013, , 161-168.	0.0	0
21	Coordination polymers based on trinuclear and mononuclear copper-pyrazolate building moieties connected by fumarate or 2-methylfumarate ions. Journal of Organometallic Chemistry, 2012, 714, 74-80.	1.8	21
22	New Coordination Polymers and Porous Supramolecular Metal Organic Network Based on the Trinuclear Triangular Secondary Building Unit [Cu3(Î¼3-OH)(Î¼-pz)3]2+ and 4,4â€²-Bypiridine. 1Â°. Crystal Growth and Design, 2012, 12, 2890-2901.	3.0	40
23	[Zn10(Âµ4-S)(Âµ3-S)6(Py)9(SO4)3] as a molecular model of ZnS surfaces: an experimental and theoretical study. Theoretical Chemistry Accounts, 2012, 131, 1.	1.4	0
24	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. Dalton Transactions, 2011, 40, 4941.	3.3	9
25	From Thioxo Cluster to Dithio Cluster: Exploring the Chemistry of Polynuclear Zirconium Complexes with S,O and S,S Ligands. Inorganic Chemistry, 2011, 50, 489-502.	4.0	6
26	A Tetranuclear Planar Hafnium Complex Containing O-Hf-S Moieties. European Journal of Inorganic Chemistry, 2011, 2011, 3281-3283.	2.0	5
27	Tuning the Functional Properties of Metal Complexes Containing Polytopic Heteroaromatic Nitrogen Ligands. Chemistry - A European Journal, 2010, 16, 1106-1123.	3.3	77
28	Reactions of a Coordination Polymer Based on the Triangular Cluster [Cu3(Î¼3-OH)(Î¼-pz)3]2+ with Strong Acids. Crystal Structure and Supramolecular Assemblies of New Mono-, Tri-, and Hexanuclear Complexes and Coordination Polymers. Crystal Growth and Design, 2010, 10, 3120-3131.	3.0	41
29	XAS and GIXRD Study of Co Sites in CoAl₂O₄ Layers Grown by MOCVD. Chemistry of Materials, 2010, 22, 1933-1942.	6.7	41
30	Crystal structure, supramolecular assembly and preliminary reactivity behaviour of new heteropolytopic ligands based on oxalate/malonate skeleton and azolate moieties. CrystEngComm, 2010, 12, 1217-1226.	2.6	2
31	Trinuclear Triangular Copper(II) Clusters â€“ Synthesis, Electrochemical Studies and Catalytic Peroxidative Oxidation of Cycloalkanes. European Journal of Inorganic Chemistry, 2009, 2009, 666-676.	2.0	81
32	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. Inorganica Chimica Acta, 2009, 362, 4358-4364.	2.4	7
33	New coordination polymers based on the triangular [Cu3(Î¼3-OH)(Î¼-pz)3]2+ unit and unsaturated carboxylates. Dalton Transactions, 2009, , 4928.	3.3	86
34	Carbonyl copper(<scp>i</scp>) complexes with hydrotris(1,2,4-triazolyl)borate, hydrotris(pyrazolyl)borate, and tris(pyrazolyl)methaneligands: a DFT study. Physical Chemistry Chemical Physics, 2009, 11, 94-96.	2.8	6
35	Magnetic Properties and Vapochromic Reversible Guest-Induced Transformation in a Bispyrazolato Copper(II) Polymer: an Experimental and Dispersion-Corrected Density Functional Theory Study. Inorganic Chemistry, 2009, 48, 4044-4051.	4.0	44
36	Dinuclear copper(II) trispyrazolylborate derivatives with bridging pyrazolate anions. Inorganic Chemistry Communication, 2008, 11, 665-668.	3.9	9

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37	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. New Journal of Chemistry, 2008, 32, 358-364.	2.8	5
38	Density Functional Theory Study of the Binding Capability of Tris(pyrazol-1-yl)methane toward Cu(I) and Ag(I) Cations. Journal of Physical Chemistry A, 2008, 112, 6723-6731.	2.5	9
39	The Different Supramolecular Arrangements of the Triangular [Cu3(Î¼3-OH)(Î¼-pz)3]2+ (pz = Pyrazolate) Secondary Building Units. Synthesis of a Coordination Polymer with Permanent Hexagonal Channels. Crystal Growth and Design, 2007, 7, 676-685.	3.0	65
40	Supramolecular Assemblies of Trinuclear Triangular Copper(II) Secondary Building Units through Hydrogen Bonds. Generation of Different Metalâ^'Organic Frameworks, Valuable Catalysts for Peroxidative Oxidation of Alkanes. Inorganic Chemistry, 2007, 46, 221-230.	4.0	188
41	Synthesis, Solid-State NMR, and X-ray Powder Diffraction Characterization of Group 12 Coordination Polymers, Including the First Example of a C-Mercuriated Pyrazole. Inorganic Chemistry, 2006, 45, 9064-9074.	4.0	28
42	The competition between acetate and pyrazolate in the formation of polynuclear Zn(ii) coordination complexes. Dalton Transactions, 2006, , 2479.	3.3	47
43	Thiophenolate clusters as potential nanosized building blocks for zinc-based nanocomposite materials: synthesis and characterization. Inorganica Chimica Acta, 2005, 358, 2739-2748.	2.4	8
44	One-Dimensional and Two-Dimensional Coordination Polymers from Self-Assembling of Trinuclear Triangular Cu(II) Secondary Building Units. Inorganic Chemistry, 2005, 44, 6265-6276.	4.0	143
45	Sorptionâ^'Desorption Behavior of Bispyrazolatoâ^'Copper(II) 1D Coordination Polymers. Journal of the American Chemical Society, 2005, 127, 6144-6145.	13.7	175
46	Spontaneous Self-Assembly of an Unsymmetric Trinuclear Triangular Copper(II) Pyrazolate Complex, [Cu3(Î¼3-OH)(Î¼-pz)3(MeCOO)2(Hpz)] (Hpz = Pyrazole). Synthesis, Experimental and Theoretical Characterization, Reactivity, and Catalytic Activity. Inorganic Chemistry, 2004, 43, 5865-5876.	4.0	117
47	A quasi-relativistic density functional study of structural and electronic properties of the bis-ketene cis-[Pt{Î·3-C3H5}{Î·1-C(PPh3)CO}2]+. Journal of Organometallic Chemistry, 2003, 682, 255-259.	1.8	3
48	The organometallic chemistry of Ph3Pî˜...Cî˜...Cî˜...O.. Coordination Chemistry Reviews, 2003, 236, 15-33.	18.8	27
49	Further Insights into the Structure of [M(Î·2(C,Câ€˜)-C3O2)(PPh3)2] (M = Ni, Pd, Pt) by Quasi-Relativistic Density Functional Calculations and Solid-State CP/MAS NMR. Organometallics, 2002, 21, 2235-2239.	2.3	12
50	Reaction of ketenylidenetriphenylphosphorane, Ph3PCî˜...Cî˜...O, with water: formation of methyltriphenylphosphonium hydrogencarbonate. Journal of Organometallic Chemistry, 2002, 642, 64-70.	1.8	13
51	Synthesis, characterization and reactivity of platinum-substituted ketenes [PtX{Î·1-C(PPh3)CO}L2]BF4, (X=Me, Cl; L2=1,5-cyclooctadiene, 1,2-bis(diphenylphosphino)ethane,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 182 Td (cis-1,2-bis Inorganica Chimica Acta, 2002, 330, 213-219.	2.4	10
52	UV-Photoelectron Spectra of [M(Î·3-C3H5)2] (M = Ni, Pd, Pt) Revisited:Â A Quasi-Relativistic Density Functional Study. Organometallics, 2001, 20, 754-762.	2.3	12
53	Synthesis, characterization and crystal structure of [Pt(Me)(dppe){Î·1-CH(PPh3)(COOEt)}]BF4. An example of overcrowded molecule and correlated properties. Journal of Organometallic Chemistry, 2001, 629, 201-207.	1.8	10
54	Metal-substituted ketenes: first 13C and 31P CP/MAS NMR determinations. Inorganic Chemistry Communication, 2001, 4, 145-149.	3.9	6

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55	An experimental and theoretical study of the electronic and molecular structure of [Zn4(?4-S){Î¼-S2P(OC2H5)2}6]: the first molecular model of ZnS. Journal of Organometallic Chemistry, 2000, 593-594, 307-314.	1.8	8
56	Organometallic Chemistry of Ph3PCCO. Synthesis, Characterization, X-ray Structure Determination, and Density Functional Study of the First Stable Bis-Î·1-ketenyl Complex,trans-[PtCl2{Î·1-C(PPh3)CO}2]. Organometallics, 2000, 19, 1373-1383.	2.3	27
57	Reactivity of keteylidenetriphenylphosphorane (Ph3PC˜...C˜...O) with Pt(II) complexes. Evidences of formation of an up to now unknown bis-Î·1-ketenyl derivative. Journal of Organometallic Chemistry, 1999, 583, 146-151.	1.8	12
58	Ion-molecule chemistry of carbon suboxide in an ion-trap mass spectrometer. International Journal of Mass Spectrometry, 1999, 190-191, 171-179.	1.5	12
59	Further crystallographic evidence of NHï¿½ ï¿½ ï¿½? (system) and COï¿½ ï¿½ ï¿½? (system) interactions: The structures of bis(diarylhydrazonecarbonyl)methylene derivatives [{ArPhC?NNH?C(O)}2CH2] (Ar = Ph, 2-C5H4N,) Tj ETQq1 1 0.784314 rgBT /Overlock	2.4	11
60	Experimental and Theoretical Investigation of the Molecular and Electronic Structure of [Zn4(Î¼4-S){Î¼-S2As(CH3)2}6] and [Cd4(Î¼4-S){Î¼-S2As(CH3)2}6]:Â Two Possible Molecular Models of Extended Metal Chalcogenide Semiconductorsâ€. Inorganic Chemistry, 1999, 38, 1145-1152.	4.0	16
61	Functionalized ylides: new trends in organometallic chemistry. Journal of Organometallic Chemistry, 1998, 557, 37-68.	1.8	62
62	An Experimental and Theoretical Study of the Electronic Structure of Zinc Thiophenolate-Capped Clusters. Inorganic Chemistry, 1997, 36, 4707-4716.	4.0	37
63	Reaction of trans-[Pt(H)2(PCy3)2] with C60 reductive elimination of H2 and formation of [Pt(PCy3)2(Î·2-C60)]. Journal of Organometallic Chemistry, 1997, 540, 61-65.	1.8	7
64	The behaviour of [Pt(Î·3-allyl)XP(C6H5)3] complexes in electrospray ionization conditions compared with those achieved by other ionization methods. Rapid Communications in Mass Spectrometry, 1997, 11, 1859-1866.	1.5	24
65	Reaction of Ketenylidenetriphenylphosphorane (Ph3PCCO) with Platinum(II) and Palladium(II) Complexes. Synthesis, Characterization, and Molecular Structure of [Pt(Î·3-C3H5){Î·1-C(PPh3)(CO)}(PPh3)]BF4. Organometallics, 1996, 15, 3250-3252.	2.3	27
66	Heterocumuleneâ€"Reaktion von C₃O₂ mit Ketenylidentriphenylphosphoran sowie Synthese und Struktur eines Spirobis(cyclobutandions). Angewandte Chemie, 1996, 108, 75-77.	2.0	1
67	Heterocumulenes: Reaction of C3O2 with Ketenylidenetriphenylphosphorane; Synthesis and Structure of a Spirobis(cyclobutanedione). Angewandte Chemie International Edition in English, 1996, 35, 83-85.	4.4	11
68	On the reactivity of C3O2 with [C3H6]+Â·. Journal of Mass Spectrometry, 1995, 30, 1049-1050.	1.6	3
69	Reactivity of carbon suboxide toward As and P stabilized ylides. Crystal and molecular structure of CH2{C(=O) [C(=AsPh3) (COOMe)]}2. Inorganica Chimica Acta, 1995, 237, 27-35.	2.4	22
70	Gas-phase ion chemistry of carbon suboxide. Organic Mass Spectrometry, 1994, 29, 57-59.	1.3	4
71	On the gas-phase reaction of C3O2+. with C3O2. Organic Mass Spectrometry, 1994, 29, 540-546.	1.3	5
72	Fast atom bombardment mass spectrometry of reaction products between C3O2 and stabilized phosphorus ylides. Organic Mass Spectrometry, 1994, 29, 619-624.	1.3	4

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73	Reactions of C3O2 with Stabilized Triphenylphosphoranes Ph3Pï£¾CHX(Xï£¾CN, COMe, COPh). Angewandte Chemie International Edition in English, 1994, 33, 576-578.	4.4	19
74	Stereochemical pattern of phosphine oxidation by a peroxometallacyclic platinum complex. Evidence of an intramolecular process. Journal of Organometallic Chemistry, 1994, 483, 147-151.	1.8	6
75	Reactivity of a platinum Î·1-formylketenyl complex synthesis of a platinum Î±-pyrone derivative via generation and trapping of a C3H2O2 species. 20. Inorganica Chimica Acta, 1993, 210, 39-45.	2.4	9
76	Structural investigation of the hydroxy-propynal molecular ion. Rapid Communications in Mass Spectrometry, 1993, 7, 132-137.	1.5	4
77	Ketene reactivity of trans-bis(tricyclohexylphosphine)(.eta.1-formylketenyl)hydridoplatinum(II). Crystal and molecular structure of the aniline derivative. 17. Organometallics, 1991, 10, 1527-1530.	2.3	10
78	The crystal structure of Pt(II)-trans-[(bis-tricyclohexylphosphine)(Î·¹-hydro-formyl-ter-butylamido)(hydride)]. Zeitschrift FÃ¼r Kristallographie, 1991, 197, 89-95.	1.2	
79	The Organometallic Chemistry of Carbon Suboxide. Comments on Inorganic Chemistry, 1991, 12, 213-235.	5.2	28
80	Synthetic fragments and analogues of elastin. I. The synthesis. Biopolymers, 1990, 29, 845-854.	2.4	15
81	Synthetic fragments and analogues of elastin. II. Conformational studies. Biopolymers, 1990, 29, 855-870.	2.4	86
82	Physico-chemical and structural characterization of a series of nylons. European Polymer Journal, 1988, 24, 99-102.	5.4	18
83	Organogermanium and organotin amido derivatives of carbon suboxide. Crystal and molecular structure of (Me3M)2C(CONMe2)2 (M = germanium, tin). Organometallics, 1988, 7, 210-214.	2.3	13
84	Carbon suboxide polymers. European Polymer Journal, 1986, 22, 491-497.	5.4	16
85	Synthesis of a pyrone derivative from carbon suboxide and acetylacetone catalyzed by acetylacetonate-metal complexes. Journal of Molecular Catalysis, 1984, 27, 343-348.	1.2	7
86	Synthesis, characterization and interaction with DNA of dichlorobiscyclo-(glycyl-L-methionyl)platinum(II). Inorganica Chimica Acta, 1982, 67, L51-L52.	2.4	1
87	Reaktionen von Kohlenstoffsuboxid mit Rhodium(I)â€Komplexen. Angewandte Chemie, 1981, 93, 295-296.	2.0	5
88	Reactions of Carbon Suboxide with Platinum(O) Complexes. Angewandte Chemie International Edition in English, 1981, 20, 288-289.	4.4	15
89	Reactions of Carbon Suboxide with Rhodium(I) Complexes. Angewandte Chemie International Edition in English, 1981, 20, 289-290.	4.4	10