



Lucia Carlucci

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Data di nascita	01/01/ 1963
Marzo 1989	Laurea in Chimica Industriale , Università di Bologna
Marzo –Giugno 1989	Borsa di studio Erasmus , Università di Liverpool, UK
Settembre 1993	Dottorato in Scienze Chimiche, Università di Bologna
Aprile 1993	Ricercatore Universitario di Chimica Generale ed Inorganica - Università degli Studi di Milano
Novembre 2010	Professore Associato di Chimica Generale ed Inorganica - Università degli Studi di Milano
2013	Abilitazione nazionale a Professore Ordinario di Chimica Generale ed Inorganica.

Ricerca

Gli interessi di ricerca di Lucia Carlucci sono orientati alla sintesi e caratterizzazione di polimeri di coordinazione porosi, anche noti con il nome di *Metal-Organic Frameworks*, e di architetture supramolecolari di coordinazione. In particolare, la sua attività scientifica in questo campo è focalizzata verso: - la progettazione e sviluppo di nuovi leganti e di nuovi metodi sintetici atti a controllare e modulare la struttura e le proprietà dei nuovi materiali; - analisi mediante diffrazione di raggi-X; - analisi topologica e dell' "entanglements" di strutture complesse di *network* di coordinazione. Recentemente, ha sviluppato un interesse verso la sintesi di nuovi materiali compositi Metal-Organic Frameworks (MOFs)/grafene per applicazioni in campo energetico. E' co-autrice di **85** pubblicazioni su riviste internazionali che includono articoli su invito e il capitolo di un libro oltre a diverse comunicazioni a congresso. E' stata invitata a tenere conferenze



in diversi meeting e workshop. Nel 2013 ha tenuto una *Young Plenary Lecture* al 20th *EuChemS Conference* di Chimica Organometallica (St Andrews, Scozia, Luglio 2013). Mostra un h-index di 46 e le sue pubblicazioni hanno avuto un totale di 8679 citazioni (ISI WOS, Luglio 2014).

Didattica

Chimica dei composti di Coordinazione con laboratorio per il corso di laurea in Chimica (2014/2015, UniMi); Chimica Generale ed Inorganica per studenti del primo anno dei corsi di laurea in Scienze Geologiche (2009-2014 - UniMi) e Scienze Ambientali (2000 – Insubria, Como); Laboratorio di Chimica per il corso di laurea in Biologia (1999-2003 - Insubria Varese, 2010, 2015 UniMi); Chimica Inorganica per il corso di laurea in Chimica (2006-2009 UniMi); Chimica Supramolecolare per il corso di laurea in Chimica (dal 2003, UniMi).

Relatore e co-relatore di diverse tesi di laurea triennale e magistrale. Relatore di una tesi di dottorato in Scienze Chimiche (Marco Visconti, 2010 “New Metal-Organic polymeric materials: from design to synthesis, structural characterization and properties”).

Partecipazione a commissioni

- Commissione Paritetica docenti/studenti del Dipartimento di Chimica (2013 -)
- Commissione strumentazione e gas tecnici (2012 -)
- Membro della scuola di Dottorato in Chimica Industriale (2013 -)
- Commissione orientamento (2006-2012)
- Membro della scuola di Dottorato in Scienze Chimiche (2008-2009)

Attività di revisore per:

CrystEngComm, CrystalGrowth&Design, Chemical Communications, Dalton, Angewandte Chemie, Advanced Functional Materials, Nature Chemistry, Coordination Chemistry Review, New Journal of Chemistry, European Journal of Chemistry, Inorganica Chimica Acta.

Finanziamenti:

2013-2015 - European project leader, “NASEMS: Nanoradiator-Equipped Adsorbents for Safe and Energy Saving Methane Storage” – (Concert-Japan joint Call)

2013-2015 – Co-investigator, “Highly Absorptive Microporous Materials for Gas Storage and Separation” (Cariplo2012)

2010-2012 - Co-investigator, “CRYSFORMS: Progettazione, proprietà e preparazione di cristalli molecolari e co-cristalli - dalla nucleazione in soluzione allo stato solido” (Progetto di rilevante interesse nazionale PRIN2008, Ministero dell’Educazione e della Ricerca Scientifica , IT)

2007-2008 Co-investigator “Metodi Innovativi Sperimentali e Teorici per lo Studio del Polimorfismo Cristallino: un Approccio Multidisciplinare” (Progetto di rilevante interesse nazionale PRIN2006, Ministero dell’Educazione e della Ricerca Scientifica , IT)

2004-2006 Co-investigator “Ingegneria cristallina di materiali a base molecolare e loro utilizzo per assorbimento di gas e per reazioni solvent-free” (Progetto di rilevante interesse nazionale PRIN2004, Ministero dell’Educazione e della Ricerca Scientifica, IT)



2000-2002 Responsabile scientifico di Unità di ricerca “Costruzione di supermolecole solide quali nuovi materiali funzionali” (Progetto di rilevante interesse nazionale PRIN2000, Ministero dell’Educazione e della Ricerca Scientifica , IT)

Publications

- 85) **L. Carlucci**, G. Ciani, , D.M. Proserpio, T.G. Mitina, V.A. Blatov “*Entangled 2D Coordination Networks: A General Survey*” Chem. Rev. **2014**, 114, 7557-7580. DOI: 10.1021/cr500150m
- 84) V. Nobakht, A. Beheshti, D. M. Proserpio, **L. Carlucci**, C. T. Abrahams “*Influence of the counter anion and steric hindrance of pyrazolyl and imidazolyl flexible ligands on the structure of zinc-based coordination polymers*” Inorg. Chim. Acta **2014**, 414, 217-225. DOI: 10.1016/j.ica.2014.02.005
- 83) A. Beheshti, V. Nobakht, **L. Carlucci**, D. M. Proserpio, C. Abrahams “*Influence of the counter ion on the structure of two new copper (I) coordination polymers: Synthesis, structural characterization and thermal analysis*” J. Mol. Structure **2013**, 1037, 236-241. (cit. 4)
- 82) **L. Carlucci**, G. Ciani, S. Maggini, D.M. Proserpio, R. Sessoli , F. Totti “*Synthesis and characterization of new oligomeric and polymeric complexes based on the [CuII(bpca)]⁺ unit [Hbpca = bis(2-pyridylcarbonyl)amine]*” Inorg. Chim. Acta **2011**, 376, 538–548. (cit. 4)
- 81) **Lucia Carlucci**, Gianfranco Ciani, Davide M. Proserpio and Marco Visconti “*The novel metalloligand [Fe(bppd)3] (bppd = 1,3-bis(4-pyridyl)-1,3-propanedionate) for the crystal engineering of heterometallic coordination networks with different silver salts. Anionic control of the structures*” CrystEngComm **2011**, 13, 5891-5902. (cit. 13)
- 80) A. Kondo, H. Kajiro, H. Noguchi, **L. Carlucci**, D. M. Proserpio, G. Ciani, K. Kato, M. Takata, H. Seki, M. Sakamoto, Y. Hattori, F. Okino, K. Maeda, T. Ohba, K. Kaneko, H. Kanoh “*Super Flexibility of a 2D Cu-Based Porous Coordination Framework on Gas Adsorption in Comparison with a 3D Framework of Identical Composition: Framework Dimensionality-Dependent Gas Adsorptivities*” J. Am. Chem. Soc. **2011**, 133, 10512-10522. (cit. 31)
- 79) **L. Carlucci**, G. Ciani, S. Maggini, D. M. Proserpio, F. Ragaini, E. Gallo, M. Ranocchiari, A. Caselli “*Synthesis and characterization of new tetra-substituted porphyrins with exo-donor carboxylic groups as building blocks for supramolecular architectures. Catalytic and structural studies of their metalated derivatives*” Journal of Porphyrins and Phthalocyanines **2010**, 14, 804–814. (cit. 3)
- 78) **L. Carlucci**, G. Ciani, S. Maggini, D. M. Proserpio, M. Visconti “*Heterometallic ModularMetal–Organic 3D Frameworks Assembled via New Tris-b-Diketonate Metalloligands: Nanoporous Materials for Anion Exchange and Scaffolding of Selected Anionic Guests*” Chemistry a European Journal **2010**, 16, 12328-12341. (cit. 43)
- 77) **L. Carlucci**, G. Ciani, J. M. García-Ruiz, M. Moret, D. M. Proserpio, S. Rizzato “*Crystallization Behavior of Coordination Polymers. I. Kinetic and Thermodynamic Features of 1,3-Bis(4-pyridyl)propane/MCl₂ Systems*” Crystal Growth & Design, **2009**, 9, 5024-5034. (cit. 8)
- 76) Z.-G. Kong, X.-Y. Wang, **L. Carlucci** “*A polythreaded three-dimensional architecture of undulated layers originated by the contribution of different supramolecular interactions*” Inorg. Chem. Commun. **2009**, 12, 691-694. (cit. 22)
- 75) C. Dragonetti, **L. Carlucci**, G. D’Alfonso, E. Lucenti, P. Macchi, D. Roberto, A. Sironi, R. Ugo “*Synthesis, Spectroscopic, and X-ray Characterization of Rhenium Carbonyl Complexes with*



Different Silsesquioxanes, as Models That Mimic the Chemical Behavior and the Topology of the Silica Surface” *Organometallics* **2009**, 28, 2668-2676. (cit. 4)

74) I. A. Baburin, V. A. Blatov, **L. Carlucci**, G. Ciani, D.M. Proserpio “*Interpenetrated threedimensional hydrogen-bonded networks from metal–organic molecular and one- or twodimensional polymeric motifs*” *CrystEngComm* **2008**, 10, 1822-1838. (cit. 92)

73) **L. Carlucci**, G. Ciani, S. Maggini, D. M. Proserpio “*Metal-organic coordination frameworks assembled with the long flexible ligand 4,4’-bis(imidazol-1-ylmethyl)biphenyl*” *CrystEngComm* **2008**, 10, 1191-1203. (cit. 21)

72) I. A. Baburin, V. A. Blatov, **L. Carlucci**, G. Ciani, D.M. Proserpio “*Interpenetrated Three-Dimensional Networks of Hydrogen-Bonded Organic Species: A Systematic Analysis of the Cambridge Structural Database*” *Crystal Growth & Design*, **2008**, 8, 519-539. (cit. 140)

71) **L. Carlucci**, G. Ciani, S. Maggini, D. M. Proserpio “*A New Polycatenated 3D Array of Interlaced 2D Brickwall Layers and 1D Molecular Ladders in [Mn₂(bix)₃(NO₃)₄] · 2CHCl₃ [bix) 1,4-bis(imidazol-1-ylmethyl)benzene] that Undergoes Supramolecular Isomerization upon Guest Removal*” *Crystal Growth & Design* **2008**, 8, 162-164. (cit. 69)

70) A. Kondo, H. Noguchi, **L. Carlucci**, D. M. Proserpio, G. Ciani, H. Kajiro, T. Ohba, H. Kanoh, K. Kaneko “*Double-Step Gas Sorption of a Two-Dimensional Metal-Organic Framework*” *J. Am. Chem. Soc.* **2007**, 129, 12362-12363. (cit. 90)

69) L. Carlucci, G. Ciani, D.M. Proserpio “*Networks, Topologies, and Entanglements*” in *Making Crystals by Design*. Edited by D. Braga, F. Grepioni. Wiley, 2007.

68) A. Kondo, H. Noguchi, H. Kajiro, L. Carlucci, P. Mercandelli, D. M. Proserpio, H. Tanaka, K. Kaneko, H. Kanoh “*Coordination Symmetry-Dependent Structure Restoration Function of One-Dimensional MOFs by Molecular Respiration*” *J. Chem. Phys.* **2006**, 110, 25565. (cit. 18)

67) **L. Carlucci**, G. Ciani, D.N. Proserpio, F. Porta “*New metal-organic frameworks and supramolecular arrays assembled with the bent ditopic ligand 4,4-diaminodiphenylmethane*” *CrystEngComm* **2006**, 8, 696-706. (cit. 32)

66) X.-L. Wang, C. Qin, E.-B. Wang, Y.-G. Li, Z.-M. Su, L. Xu, **L. Carlucci** “*Entangled Coordination Networks with Inherent Features of Polycatenation, Polythreading, and Polyknotting*” *Angew. Chem. Int. Ed. Engl.* **2005**, 44, 5824-5827. (cit. 320)

65) I.A. Baburin, V. A. Blatov, **L. Carlucci**, G. Ciani and D. M. Proserpio “*Interpenetrating metalorganic and inorganic 3D networks: a computer-aided systematic investigation. Part II. Analysis of the Inorganic Crystal Structure Database (ICSD)*” *J. Solid State Chem.* **2005**, 178, 2452 - 2474. (cit. 184)

64) **L. Carlucci**, G. Ciani, D.M. Proserpio, F. Porta “*Four new 2D porous polymeric frames from the self-assembly of silver triflate and silver tosylate with free-base and Zn-metallated 5,10,15,20-tetra(4-pyridyl)porphyrin*” *CrystEngComm* **2005**, 7, 78-86. (cit. 37)

63) **L. Carlucci** and A. Gavezzotti “*Molecular recognition and crystal energy landscape: an X-ray and computational study of caffeine and other methylxanthines*” *Chem. Eur. J.* **2005**, 11, 271-279. (cit. 32)

62) **L. Carlucci**, G. Ciani and D.M. Proserpio “*Parallel and Inclined (1D → 2D) Interlacing Modes in New Polyrotaxane Frameworks [M₂(bix)₃SO₄]₂ [M = Zn(II), Cd(II); Bix) 1,4-Bis(imidazol-1-ylmethyl)benzene]*” *Cryst. Growth Des.* **2005**, 5, 37-39. (cit. 101)

61) V. A. Blatov, **L. Carlucci**, G. Ciani and D.M. Proserpio “*Interpenetrating metal–organic and inorganic 3D networks: a computer-aided systematic investigation. Part I. Analysis of the Cambridge structural database*” *CrystEngComm* **2004**, 6, 377-395. (cit. 472)



- 60) C. Qin, X. Wang, **L. Carlucci**, M. Tong, E. Wang, C. Hu and L. Xu "From arm-shaped layers to a new type of polythreaded array: a two foldinterpenetrated three-dimensional network with a rutile topology" *Chem. Commun.* **2004**, 1876-1877. (cit. 107)
- 59) **L. Carlucci**, G. Ciani, D.M. Proserpio and L. Spadacini "Supramolecular isomers in the same crystal: a new case involving two different types of layers polycatenated in the 3D architecture of [Cu(bix)₂(SO₄)]·7.5H₂O [bix=1,4-bis(imidazol-1-ylmethyl)benzene]" *CrystEngComm* **2004**, 6, 96- 101. (cit. 94)
- 58) **L. Carlucci**, G. Ciani and D.M.Proserpio "A new type of entanglement involving onedimensional ribbons of rings atenated to a three-dimensional network in the nanoporous structure of [Co(bix)₂(H₂O)₂](SO₄)·7H₂O [bix = 1,4-bis(imidazol-1-ylmethyl)benzene]" *Chem. Commun.* **2004**, 380-381. (cit. 214)
- 57) S. Banfi, **L. Carlucci**, E. Caruso, G. Ciani, and D.M. Proserpio "An unusual three-dimensional coordination network formed by parallel catenation of two-fold interpenetrated (6,3) layers based a novel three-connecting ligand" *Cryst. Growth Des.* **2004**, 4, 29-32. (cit. 28)
- 56) **L. Carlucci**, G. Ciani and D.M. Proserpio "Polycatenation, polythreading and polyknotting in coordination networks" *Coord. Chem. Rev.* **2003**, 246, 247-289. (cit. 1385)
- 55) **L. Carlucci**, G. Ciani and D.M.Proserpio "Borromean links and other non-conventional links in 'polycatenated' coordination polymers:re-examination of some puzzling networks" *CrystEngComm* **2003**, 5(47), 269-279. (cit. 285)
- 54) **L. Carlucci**, G. Ciani, D.M. Proserpio and S. Rizzato "New architecture from the self-assembly of MIIISO₄ salt with bis(4-pyridil)ligands. The first case of polycatenation involving three distinct sets of 2D polymeric (4,4)-layers parallel to a common axis" *CrystEngComm* **2003**, 5(34), 190- 99. (cit. 66)
- 53) G. D'Alfonso, V. Formaggio, D. Roberto, R. Ugo, E. Lucenti and **L. Carlucci** "Surface organometallic chemistry: synthesis and X-ray characterization of novel silanolate surface models [Re₂(CO)₈(μ-H)(μ -OSi₂R')]] and of the first models with two homo and hetero metal carbonyl fragments linked to vicinal or germinal silanols" *Organometallics* **2003**, 22, 3271. (cit. 9)
- 52) **L. Carlucci**, G. Ciani, D. M. Proserpio and S. Rizzato "Silver(I) polymeric coordination frameworks assembled with the new multimodal ligand 2,2'-azobispyrazine" *New J. Chem.* **2003**, 27, 483-489. (cit. 46)
- 51) **L. Carlucci**, G. Ciani, D. M. Proserpio and F. Porta "New open network architectures from the self-assembly of AgNO₃ and 5,10,15,20-tetra(4-pyridyl)porphyrin building blocks: the exceptional self-penetrating topology of the 3D network of [Ag₈(ZnIItpyp)₇(H₂O)₂](NO₃)₈" *Angew. Chem. Int. Ed. Engl.* **2003**, 42, 317-322. (cit. 132)
- 50) **L. Carlucci**, G. Ciani, D. M. Proserpio and S. Rizzato "Coordination networks from the selfassembly of silver salts and linear chain dinitriles NC(CH₂)_nCN (n = 2 to 7): A systematic investigation of the role of counterions and of the increasing length of the spacers" *CrystEngComm* **2002**, 19, 413-425. (cit. 64)
- 49) S. Banfi, **L. Carlucci**, E. Caruso, G. Ciani and D. M. Proserpio "Using long bis(4-pyridyl)ligands designed for the self-assembly of coordination frameworks and architectures" *J. Chem. Soc., Dalton Trans.* **2002**, 2714-2721. (cit. 101)
- 48) **L. Carlucci**, N. Cozzi, G. Ciani, M. Moret, D. M. Proserpio and S. Rizzato "A threedimensional nanoporous flexible network of 'square-planar' copper(II) centres with an unusual topology" *Chem. Commun.* **2002**, 1354-1355. (cit. 95)
- 47) **L. Carlucci**, G. Ciani, F. Porta, D. M. Proserpio and L. Santagostini "Crystal engineering of mixed-metal Ru-Ag coordination networks using the trans-[RuCl₂(pyz)₄] (pyz = pyrazine) buildingblock" *Angew. Chem. Int. Ed. Engl.* **2002**, 41,107-1911. (cit. 50)



- 46) **L. Carlucci**, G. Ciani, D. M. Proserpio and S. Rizzato “ *New polymeric networks from the self-assembly of silver(I) salts and the flexible ligand 1,3-bis(4-pyridyl)propane (bpp)*. A systematic investigation of the effects of the counterions and a survey of the coordination polymers based on bpp” *CrystEngComm* **2002**, 4, 121-129. (cit. 179)
- 45) **L. Carlucci**, G. Ciani, M. Moret, D. M. Proserpio and S. Rizzato “*Monitoring the Crystal Growth and Interconversion of New Coordination Networks in the Self-assembly of MCl₂ Salts (M) Co, Ni, Cu, Cd) and 1,3-Bis(4-pyridyl)propane*” *Chem. Mater.*, **2002**, 14, 12-16. (cit. 63)
- 44) **L. Carlucci**, G. Ciani, D. M. Proserpio and S. Rizzato “*Three Novel Interpenetrating Diamondoid Networks from Self-Assembly of 1,12-Dodecanedinitrile with Silver(I) Salts*” *Chem.Eur.J.* **2002**, 8, 1519-1526. (cit. 74)
- 43) **L. Carlucci**, G. Ciani, D. M. Proserpio and S. Rizzato “*Interlinked molecular squares with [Cu(2,2'-bipy)]₂⁺ corners generating a three-dimensional network of unprecedented topological type*” *Chem. Commun.* **2001**, 1198-1199. (cit. 39)
- 42) **L. Carlucci**, G. Ciani, D. M. Proserpio and S. Rizzato “*New examples of self-catenation in two three-dimensional polymeric co-ordination networks*” *J. Chem. Soc., Dalton Trans.* **2000**, 3821-3827. (cit. 77)
- 41) **L. Carlucci**, G. Ciani, A. Gramaccioli, D. M. Proserpio and S. Rizzato “*Crystal engineering of coordination polymers and architectures using the [Cu(2,2'-bipy)]₂ molecular corner as building block (bipy = 2,2'-bipyridyl)*” *CrystEngComm* **2000**, 29, 1-10. (cit. 18)
- 40) **L. Carlucci**, G. Ciani, D. M. Proserpio and S. Rizzato “*Chiral packing of chiral quintuple layers polycatenated to give a three-dimensional network in the coordination polymer [Co₅(bpe)₉(H₂O)₈(SO₄)₄](SO₄).14H₂O [bpe = 1,2-bis(4-pyridyl)ethane]*” *Chem. Commun.* **2000**, 1319–1320. (cit. 150)
- 39) **L. Carlucci**, G. Ciani, D. M. Proserpio and S. Rizzato “*Structural Properties and Topological Diversity of Polymeric Ag(I)-hexamethylenetetramine Complexes: Self-Assembly of Three Novel Two-Dimensional Coordination Networks and Their Supramolecular Interactions*” *J. Sol. State Chem.* **2000**, 152, 211-220. (cit. 47)
- 38) **Carlucci**, G. Ciani, M. Moret, D. M. Proserpio and S. Rizzato “*Polymeric layers catenated by ribbons of rings in a three-dimensional self-assembled architecture: a nanoporous network with spongelike behavior*” *Angew. Chem. Int. Ed. Engl.* **2000**, 39, 1506-1510. (cit. 323)
- 37) **L. Carlucci**, G. Ciani, and D. M. Proserpio “*Interpenetrated and non interpenetrated 3D networks in the polymeric species Ag(tta) and 2 Ag(tta).AgNO₃ (tta = tetrazolate). The first examples of the μ₄-η¹:η¹:η¹ bonding mode for tetrazolate*” *Angew. Chem. Int. Ed. Engl.* **1999**, 38, 3488-3492. (cit. 92)
- 36) **L. Carlucci**, G. Ciani and D. M. Proserpio “*Self-assembly of novel co-ordination polymers containing polycatenated molecular ladders and intertwined twodimensional tilings*” *J. Chem. Soc., Dalton Trans.* **1999**, 1799-1804. (cit. 124)
- 35) **L. Carlucci**, D. M. Proserpio and G D'Alfonso “*1,2-eq,eq-[Re₂(CO)₈(THF)₂]: A Reactive Re₂(CO)₈ Fragment That Easily Activates H-H and C-H Bonds*” *Organometallics* **1999**, 18, 2091-2098. (cit. 16)
- 34) **L. Carlucci**, G. Ciani, D. W.v. Gudenberg and D.M. Proserpio “*Nanoporous three-dimensional networks topologically related to Cooperite from the self-assembly of copper(I) centres and the ‘square-planar’ building block 1,2,4,5-tetracyanobenzene*” *New J. Chem.* **1999**, 23, 397-401. (cit. 39)
- 33) **L. Carlucci**, G. Ciani and D.M. Proserpio “*A new type of supramolecular entanglement in the silver(I) coordination polymer [Ag₂(bpethy)₅](BF₄)₂ [bpethy = 1,2-bis(4-pyridyl)ethyne]*” *Chem. Commun.* **1999**, 449-450. (cit. 154)



- 32) **L. Carlucci**, G. Ciani, P. Macchi, D.M. Proserpio and S. Rizzato “Complex Interwoven Polymeric Frames from the Self-Assembly of Silver(I) Cations and Sebaconitrile” *Chem. Eur. J.* **1999**, 5, 237-243. (cit. 240)
- 31) **L. Carlucci**, G. Ciani, D.M. Proserpio “Three-dimensional architectures of intertwined planar coordination polymers: the first case of interpenetration involving two different bidimensional polymeric motifs” *New J. Chem.*, **1998**, 1319-1321. (cit. 37)
- 30) **L. Carlucci**, G. Ciani, D.M. Proserpio and A. Sironi “Polymeric Helical Motifs from the Self-Assembly of Silver Salts and Pyridazine” *Inorg. Chem.* **1998**, 37, 5941-5943. (cit. 135)
- 29) **L. Carlucci**, G. Ciani, P. Macchi and D.M. Proserpio “An unprecedented triply interpenetrated chiral network of ‘square-planar’ metal centres from the self-assembly of copper(II) nitrate and 1,2-bis(4-pyridyl)ethyne” *Chem. Commun.* **1998**, 1837-1838. (cit. 227)
- 28) **L. Carlucci**, G. Ciani, D. W. v. Gudenberg and D.M. Proserpio “Self-Assembly of Infinite Double Helical and Tubular Coordination Polymers from Ag(CF₃SO₃) and 1,3-Bis(4-pyridyl)propane” *Inorg. Chem.* **1997**, 36, 3812-3813. (cit. 274)
- 27) M. Bertelli, **L. Carlucci**, G. Ciani, D.M. Proserpio and A. Sironi “Structural studies of molecular-based nanoporous materials. Novel networks of silver(I) cations assembled with the polydentate N-donor bases hexamethylenetetramine and 1,3,5-triazine” *J. Mater. Chem.* **1997**, 7, 1271-1276. (cit. 83)
- 26) **L. Carlucci**, G. Ciani, D. W. v. Gudenberg and G. D'alfonso “Insertion reactions of diazoalkanes into an Re-H-Re of [Re₂(μ-H)₂(CO)₈]. Synthesis and characterization of [Re₂(μ-)(CO)₈(μ-η¹-N(H)NCPH₂)] and of [Re₂(μ-H)(CO)₈(μ-η²-CH₂CO₂Et)]” *J. Organomet. Chem.* **1997**, 534, 233-235. (cit. 5)
- 25) **L. Carlucci**, G. Ciani, D.M. Proserpio and A. Sironi “Extended networks via hydrogen bond cross-linkages of [M(bipy)] (M = Zn²⁺ or Fe²⁺; bipy = 4,4'-bipyridyl) linear co-ordination polymers” *J. Chem. Soc. Dalton Trans.* **1997**, 1801-1803. (cit. 219)
- 24) **L. Carlucci**, G. Ciani, D.M. Proserpio and A. Sironi “A Novel 3D Three-Connected Cubic Network Containing [Ag₆(hmt)₆]⁶⁺ Hexagonal Units (hmt = Hexamethylenetetramine)” *Inorg. Chem.* **1997**, 36, 1736-1737. (cit. 72)
- 23) **L. Carlucci**, G. Ciani, D. W. v. Gudenberg, D.M. Proserpio and A. Sironi “Self-assembly of a three-dimensional network from two-dimensional layers via metallic spacers: the (3,4)-connected frame of [Ag₃(hmt)₂][ClO₄]₃·2H₂O (hmt = hexamethylenetetramine)” *Chem. Commun.* **1997**, 631-632. (cit. 120)
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