

Dr. Contel's List of Scientific Publications & Patents (Chronological Order)

Publications

1. 'Mesityl Gold Complexes. Synthesis and Reactivity. X-Ray structure of $[(\text{PPh}_3\text{Au}(\mu\text{-mes})\text{Ag}(\text{tht}))_2][\text{SO}_3\text{CF}_3]_2$ (mes=mesityl, tht = tetrahydrothiophene)'. **M. Contel**, J. Jiménez, P.G. Jones, A. Laguna, and M. Laguna., *J. Chem. Soc., Dalton Trans.*, **1994**, 2515.
2. 'Triamidogerma- and -Stanna-aurates (I): First Structural Characterisation of a Ge-Au-Ge Unit'. **M. Contel**, K.W. Hellmann, L.H. Gade, I.J. Scowen, M. McPartlin, and M. Laguna, *Inorg. Chem.*, **1996**, 35, 3713.
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4. 'Polynuclear Mesityl-gold and -gold-silver Derivatives. Crystal Structure of $[\text{Ag}(\mu\text{-dppm})\{\text{Au}(\text{mes})\}_2]\text{ClO}_4 \cdot 3\text{CH}_2\text{Cl}_2$ (dppm=bis(diphenylphosphino)methane, mes=mesityl)'. **M. Contel**, J. Garrido, M.C. Gimeno, J. Jiménez, P.G. Jones, A. Laguna, and M. Laguna, *Inorg. Chim. Acta*, **1997**, 254, 157.
5. Triamidostannagold Complexes in Different Oxidation States. First Structural Characterization of a Sn-Au-Au-Sn Linear Chain'. B. Findeis, **M. Contel**, L.H. Gade, M. Laguna, M.C. Gimeno, I. Scowen, and M. McPartlin, *Inorg. Chem.*, **1997**, 36, 2386.
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7. 'Hexanuclear Mercury-Silver Complexes. Novel Coordination for Bridging Mesityl and Triflate Groups'. M. Laguna, M.D. Villacampa, **M. Contel** and J. Garrido, *Inorg. Chem.*, **1998**, 37, 133.
8. 'A silver (I) center solely bonded to four gold (I) atoms'. **M. Contel**, J. Garrido, M.C. Gimeno and M. Laguna, *J. Chem. Soc., Dalton Trans.*, **1998**, 1083.
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10. 'A New, Simple Route to Novel Gold Clusters: Structure of an Au_6Ag Wheel with a Gold Rim'. E. Cerrada, **M. Contel**, A.D. Valencia, M. Laguna, T. Gelbrich, and M.B. Hursthouse. *Angew. Chem. Int. Ed.*, **2000**, 39, 2353.
11. 'Cyclometallated Complexes of Ruthenium and Osmium Containing the $o\text{-C}_6\text{H}_4\text{PPh}_2$ ligand'. M.A. Bennett, A.M. Clark, **M. Contel**, C.E.F. Rickard, W.R. Roper, and L.J. Wright. *J. Organomet. Chem.*, **2000**, 601, 299.
12. 'Reactivity of Bis- $[\{2,6\text{-bis}(\text{dimethylaminomethyl})\text{phenyl}\}\text{gold}(\text{I})]$, an Unusual Intermolecularly Stabilized Bis(amino)-Aryl-Gold(I) Dimer, Towards Alkyl Halides. X-ray Crystal Structures of its Iodomethane and Methylene Iodide Adducts'. **M. Contel**, D. Nobel, G. van Koten, and A. L. Spek. *Organometallics*, **2000**, 19, 3288.
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15. 'Bis{(2-diphenylphosphino)phenyl}mercury: A P-Donor Ligand and Precursor to Mixed Metal-Mercury (d⁸-d¹⁰) Cyclometalated Complexes Containing 2-C₆H₄PPh₂'. M.A. Bennett, **M. Contel**, D.C.R. Hockless, L.L. Welling, and A.C. Willis. *Inorg. Chem.*, **2002**, *41*, 844.
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19. 'Synthesis of Fluorous Nitrogen Ligands and Their Metal Complex as Precatalysts for Application in Alkane, Alkene, and Alcohol Oxidation, and Atom Transfer Radical Reactions'. J.-M. Vincent, D. Lastécouères, **M. Contel**, M. Laguna, and R.H. Fish. *Handbook of Fluorous Chemistry* (Wiley-VHC). **2004**, *Chap. 10.12*. 298.
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24. 'Fluorocarbon Soluble Copper(II) Carboxylate Complexes with Non-Fluoroponytailed Ligands as Precatalysts for the Oxidation of Alkenols and Alcohols Under Fluorous Biphasic or Thermomorphic Modes: Structural and Mechanistic Aspects'. **M. Contel**, P.R. Villuendas, J. Fernández-Gallardo, P.J. Alonso, J.-M. Vincent, and R.H. Fish. *Inorg. Chem.* **2005**, *44*, 9971.
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Patents Issued

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2. 'Arene ruthenium (II) derivatives containing iminophosphorane ligands and their use in cancer therapy'. **M, Contel**, I. Marzo, M, Frik, B.T. Elie. US Patent 9,555,049 B2 (01/31/2017).
3. 'Antibody Drug Conjugates Based on Gold Compounds'. **M. Contel**, N. Curado, J. Lewis, S. Poty. US Patent App. US Patent 11,141,490 (10/12/2021)