



Pierluigi Mercandelli
Résumé

EDUCATION

- 1997–2000 PhD in Chemistry (Università degli Studi di Milano)
1995–1996 Research grant (Montell Polyolefins, Ferrara)
1989–1995 MS in Chemistry (cum laude, Università degli Studi di Milano)

WORK EXPERIENCE

- 2018– Associate professor (SSD CHIM/03)
2002–2018 Assistant professor (SSD CHIM/03, Dipartimento di Chimica Strutturale e Stereochimica Inorganica, then Dipartimento di Chimica, Università degli Studi di Milano)
1999–2002 Research fellow (Università degli Studi di Milano)

TEACHING

- 2018– Chemistry (BS Biology)
2010– Inorganic chemistry (MS Chemistry)
2011–2017 Structural chemistry (MS Chemistry)
2003–2011 Inorganic stereochemistry (MS Chemistry)

RESEARCH INTERESTS

Organometallic chemistry, in particular assessment and rationalization of structure and properties of molecular and extended species, through the integrated use of both experimental (X-ray diffraction) and theoretical methods (quantum mechanical calculations and molecular mechanics and dynamics simulations).

FUNDING

- Cariello 2013 SmartMatLab Centre
PRIN 2012 Aqueous-processable polymer solar cells
Vigoni 2011 Nanoscale organization of luminescent complexes for innovative materials
PRIN 2009 New organometallic complexes and polymers for solar cells
PRIN 2007 Cluster aggregation and functionalization: an opportunity for new materials
PRIN 2004 Tridimensional reconstruction of *in situ* and purified flagellar components
COFIN 2003 Cluster aggregation to obtain molecular nanoparticles



UNIVERSITÀ DEGLI STUDI DI MILANO

DIPARTIMENTO DI CHIMICA

RECENT PUBLICATIONS

Author of 51 publications in international peer-reviewed journals, 26 of which as corresponding author; citations: 1377, H-index: 21 (Scopus).

L. Veronese, E. Quartapelle Procopio, D. Maggioni, P. Mercandelli,* M. Panigati*
“Dinuclear rhenium pyridazine complexes containing bridging chalcogenide anions: Synthesis, characterization and computational study”
New Journal of Chemistry **2017**, *41*, 11268–11279.

L. Veronese, E. Quartapelle Procopio, F. De Rossi, T. M. Brown, P. Mercandelli, P. Mussini, G. D’Alfonso, M. Panigati*
“New dinuclear hydrido-carbonyl rhenium complexes designed as photosensitizers in dye-sensitized solar cells”
New Journal of Chemistry **2016**, *40*, 2910–2919.

E. Quartapelle Procopio, V. Bonometti, M. Panigati,* P. Mercandelli,* P. R. Mussini,* T. Benincori, G. D’Alfonso, F. Sannicolò
“Dinuclear rhenium complexes as redox-active pendants in a novel electrodeposited polycyclopentadithiophene material”
Inorganic Chemistry **2014**, *53*, 11242–11251.

D. Maggioni, T. Beringhelli, G. D’Alfonso, M. C. Malatesta, P. Mercandelli,* D. Donghi*
“Competition between hydrogen bonds and Lewis acid-base interactions in the equilibria between bis(pentafluorophenyl)borinic acid and pyridine: Insights from NMR, diffractometric and computational studies”
Zeitschrift für Physikalische Chemie **2013**, *227*, 751–773.

C. Cebrián, M. Mauro, D. Kourkoulos, P. Mercandelli, D. Hertel, K. Meerholz, C. A. Strassert,* L. De Cola*
“Luminescent neutral platinum complexes bearing an asymmetric N[^]N[^]N ligand for high-performance solution-processed OLEDs”
Advanced Materials **2013**, *25*, 437–442.

Milano, 28 December 2018


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