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Education and training: 1995 PhD in Chemistry, Università degli Studi di Milano (Supervisor: Prof. R. Ugo); 1992 Master Degree in Chemistry (110/110 cum laude), Università degli Studi di Milano (Supervisor: Prof. R. Ugo).

Work Experience: 2013 National Academic Qualification as Full Professor (Abilitazione Nazionale); 2005-present Associate Professor For General and Inorganic Chemistry, Università degli Studi di Milano; 2000-2005 Assistant Professor, Università degli Studi di Milano; 1998-2000 Recipient of a researcher contract (ex art. 66) of the National Research Council (CNR); 1995-1998 Post-Doctoral Fellow, Università degli Studi di Milano and Fulbright Fellow, University of California, Santa Barbara.

Teaching Activities: 1993-present Supervisor of PhD and undergraduate students, Università di Milano; 2010-present Lecturer 'Laboratorio di Chimica Generale e Inorganica' ('Laurea triennale in Chimica Industriale', Università di Milano). 2014-present Lecturer 'Fotoluminescenza e risonanze magnetiche: applicazioni in chimica inorganica e metallorganica' ('Laurea Magistrale in Scienze Chimiche', Università di Milano). 2002-2012 Lecturer 'Chimica Analitica Strumentale' ('Laurea triennale in Chimica Applicata e Ambientale', Università di Milano). 2003-2010 Lecturer 'Laboratorio di Chimica Generale e Inorganica', ('Laurea triennale in Chimica Applicata e Ambientale', Università di Milano).

Recent Scientific interests:

- Synthesis and characterization of organic and hybrid inorganic/organic materials with enhanced linear and/or second order nonlinear (NLO) optical properties.
- Nano-organization of thin films of chromophores dispersed in a polymeric matrix.
- Aggregation Induced Emissive and Room Temperature Phosphorescent materials.

Researcher involved in several national research projects funded by the Italian Ministry for University and Scientific Research and by private foundations (PRIN 1999, PRIN 2001, PRIN 2003, PRIN 2005, PRIN 2008, FIRB 2001, FIRB 2003, Fondazione Cariplo)

Author of 86 peer-reviewed publications. Citations (Scopus 05/02/2019): 3868, h index: 30.

Recent Publications:

- 1) "Dynamical Behavior and Second Harmonic Generation Responses in Acido-Triggered Molecular Switches" by Kornelia Pielak, Claire Tonnelé, Lionel Sanguinet, Elena Cariati,*

- Stefania Righetto, Luca Muccioli,* Frédéric Castet,* and Benoît Champagne,* *J. Phys. Chem. C* **2018**, 122, 26160
- 2) "Organic Salts Suppress Aggregation and Enhance the Hyperpolarizability of a π -Twisted Chromophore" by Alexander J.-T. Lou, Stefania Righetto, Elena Cariati, and Tobin J. Marks,* *Chem. Eur. J.* **2018**, 24, 15801
 - 3) "Unprecedented Large Hyperpolarizability of Twisted Chromophores in Polar Media" by Alexander J.-T. Lou, Stefania Righetto, Christopher Barger, Cristiano Zuccaccia,* Elena Cariati,* Alceo Macchioni,* and Tobin J. Marks,* *J. Am. Chem. Soc.* **2018**, 140, 8746
 - 4) "Metal free room temperature phosphorescence from molecular self-interactions in the solid state" by Alessandra Forni, Elena Lucenti, Chiara Botta and Elena Cariati,* *J. Mater. Chem. C*, **2018**, 6, 4603
 - 5) "Structure–activity relationship for the solid state emission of a new family of "push–pull" π -extended chromophores" by Andrea Nitti, Francesca Villafiorita-Monteleone, Aurora Pacini, Chiara Botta, Tersilla Virgili, Alessandra Forni, Elena Cariati, Massimo Boiocchi and Dario Pasini,* *Faraday Discuss.*, **2017**, 196, 143
 - 6) "Partial in Situ Reduction of Copper(II) Resulting in One-Pot Formation of 2D Neutral and 3D Cationic Copper(I) Iodide–Pyrazine Coordination Polymers: Structure and Emissive Properties" by Iurie L. Malaestean, Victor Ch. Kravtsov, Janusz Lipkowski, Elena Cariati, Stefania Righetto, Daniele Marinotto, Alessandra Forni,* and Marina S. Fonari,* *Inorg. Chem.*, **2017**, 56, 5141
 - 7) "H-Aggregates Granting Crystallization-Induced Emissive Behavior and Ultralong Phosphorescence from a Pure Organic Molecule" by Elena Lucenti, Alessandra Forni, Chiara Botta, Lucia Carlucci, Clelia Giannini, Daniele Marinotto, Andrea Previtali, Stefania Righetto, and Elena Cariati,* *J. Phys. Chem. Lett.*, **2017**, 8, 1894
 - 8) "In Situ Electroluminescence Color Tuning by Thermal Deprotonation Suitable for Thermal Sensors and Antifraud Labels" by Umberto Giovanella,* Elena Cariati,* Elena Lucenti, Mariacecilia Pasini, Francesco Galeotti, and Chiara Botta, *ChemPhysChem* **2017**, 18, 2157
 - 9) "Cyclic Triimidazole Derivatives: Intriguing Examples of Multiple Emissions and Ultralong Phosphorescence at Room Temperature" by Elena Lucenti, Alessandra Forni,* Chiara Botta,* Lucia Carlucci, Clelia Giannini, Daniele Marinotto, Alessandro Pavanello, Andrea Previtali, Stefania Righetto, and Elena Cariati,* *Angew. Chem. Int. Ed.* **2017**, 56, 16302
 - 10) "Stimuli-responsive NLO properties of tetrathiafulvalene-fused donor–acceptor chromophores" by Elena Cariati, Xunshan Liu, Yan Geng, Alessandra Forni, Elena Lucenti,* Stefania Righetto, Silvio Decurtins, and Shi-Xia Liu,* *Phys.Chem.Chem.Phys.*, **2017**, 19, 22573