

## Massimiliano Curcio PhD

Supramolecular and organometallic chemist specialised in molecular devices, ligand design, coordination chemistry and catalysis.

e-mail: [massimiliano.curcio@unibo.it](mailto:massimiliano.curcio@unibo.it)

### Current position, education and professional experience

01/2022-to date	<b>Post-doctoral Research Associate</b> - National Research Council (Prof. A. Credi)
01/2019-12/2021	<b>Post-doctoral Research Associate</b> - University of Bologna (Prof. A. Credi)
10/2018-12/2018	<b>Visiting Researcher</b> - Technical University of Munich (Dr A. Pöthig)
09/2014-10/2018	<b>PhD Candidate</b> - University of Edinburgh and EPSRC CRITICAT-CDT (Prof. J. B. Love)
02/2018-03/2018	<b>Visiting PhD student</b> - Technical University of Munich (Dr A. Pöthig)
01/2015-03/2015	<b>Visiting PhD student</b> - University of St Andrews (Prof. S. P. Nolan)
05/2014-09/2014	<b>Researcher</b> - National Research Council of Italy (Dr E. Amendola)
10/2013-04/2014	<b>Researcher</b> - University of Naples "Federico II" (Prof. F. Ruffo)
09/2011-10/2013	<b>MSc in Chemical Sciences</b> - University of Naples "Federico II" (Prof. F. Ruffo)
09/2006-03/2011	<b>BSc in Chemistry</b> - University of Naples "Federico II" (Prof. V. Busico)

### Training

06-17/07/2020	Rigaku School for Practical Crystallography
10-14/06/2019	8 <sup>th</sup> Ciamician Photochemistry School (CPS), University of Bologna
09-13/04/2018	Cyclic Voltammetry International School (CVIS), University Paris VII
02-06/09/2017	11 <sup>th</sup> International School on Organometallic Chemistry (ISOC), University of Camerino
30/08-02/09/2013	9 <sup>th</sup> International School on Organometallic Chemistry (ISOC), University of Camerino
27-31/08/2011	8 <sup>th</sup> International School on Organometallic Chemistry (ISOC), University of Camerino

### Grants and awards

RSC travel grant (€925, 2020), ScotCHEM PECRE grant (€5000, 2018), Neil Campbell Fund travel grant (€575, 2018), 6 Conference grants (total amount €2100, 2014-2018).

### Mentoring activity

Co-supervisor of 2 PhD Theses (UniBo), 7 MSc theses (3 at UniBo, 4 at UoE), 1 BSc thesis (UoE), 1 short-term project (UoE).

### Affiliations

Member of the Italian Chemical Society (2013 - to date)  
Associate Member of the Royal Society of Chemistry (2015 - 2019)  
Member of the Royal Society of Chemistry (2019 - to date)

### Selected Publications

- F. Nicoli,<sup>‡</sup> **M. Curcio**,<sup>‡</sup> M. Tranfić-Bakić,<sup>‡</sup> E. Paltrinieri, M. Baroncini, S. Silvi, A. Credi. Photoinduced Autonomous Out-of-Equilibrium Operation of a Molecular Shuttle by Combined Isomerization and Proton Transfer Through a Catalytic Pathway. *J. Am. Chem. Soc.* **2022**, *144*, 10180.
- **M. Curcio**,<sup>‡</sup> F. Nicoli,<sup>‡</sup> E. Paltrinieri,<sup>‡</sup> E. Fois, G. Tabacchi, L. Cavallo, S. Silvi, M. Baroncini, A. Credi. Chemically Induced Mismatch of Rings and Stations in [3]Rotaxanes. *J. Am. Chem. Soc.* **2021**, *143*, 8046.
- **M. Curcio**, D. Henschel, M. Hüttenschmidt, S. Sproules, J. B. Love. Radical Relatives: Facile Oxidation of Hetero-Diarylmethene Anions to Neutral Radicals. *Inorg. Chem.* **2018**, *57*, 9592.
- D. S. Morris,<sup>‡</sup> K. van Rees,<sup>‡</sup> **M. Curcio**,<sup>‡</sup> M. Cokoja, F. E. Kühn, F. Duarte, J. B. Love. Deoxydehydration of Vicinal Diols and Polyols Catalyzed by Perrhenate Salts. *Catal. Sci. Technol.* **2017**, *7*, 5644.
- **M. Curcio**, J. R. Pankhurst, S. Sproules, D. Mignard, J. B. Love. Triggering Redox Activity in a Thiophene Compound: Radical Stabilization and Coordination Chemistry. *Angew. Chem. Int. Ed.* **2017**, *56*, 7939.