

PERSONAL INFORMATION

Matteo Bonomo



 51, Urbino street, Rome, 00182, Italy
 0039 0677206111  0039 3342369087
 matteo.bonomo@uniroma1.it
 www.chem.uniroma1.it/en/department/people/matteo-bonomo

Sex Male | Date of birth 28/04/1991 | Nationality Italian

WORK EXPERIENCE

March 2014- June 2014
March 2013- June 2013

Laboratory Assistant

Chemistry Department at University of Rome, La Sapienza

- Preparation and analyses of chemical compounds.

EDUCATION AND TRAINING

November 2015 – October 2018

PhD student

Chemistry Department at University of Rome, La Sapienza

- DSC cells. Semiconductor oxides for photovoltaic application. Photo-electrochemistry. Electrochemistry. Organic and Inorganic Synthesis. New materials for photovoltaic application. Device development and study in collaboration with CHOSE.

October 2017 – March 2018

Visiting PhD student

School of Mechanical & Material Engineering, UCD, Dublin

- Development of new NiO photocathodes (bare and oxide-doped) for photo-electrochemical application

June 2016 – August 2016

Visiting PhD student

Chemistry Department at University of Turin

- Organic Synthesis and characterization of new sensitizers for photovoltaic application.

September 2013 – July 2015

Master Degree in Chemistry (110/110 *summa cum laude*)

Chemistry Department at University of Rome, La Sapienza

- DSC cell. Semiconductor oxides for photovoltaic application. Photoelectrochemistry. Electrochemistry. Organic Synthesis.

September 2010 – July 2013

Bachelor Degree in Chemistry (110/110)

Chemistry Department at University of Rome, La Sapienza

- DSC cell. Semiconductor oxides for photovoltaic application. Photoelectrochemistry. Electrochemistry.

September 2005 – July 2010

High School Diploma (100/100)

Liceo Classico Statale Augusto

- Humanistic and classical studies

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1

- Communication skills**
- good communication skills gained through my experience as PhD
 - good teaching skills gained through my experience as laboratory assistant
 - good partnership skill achieved throughout my research activities
- Organisational / managerial skills**
- Able to work by my own as well as in a team
 - Scientific manager (more than 8 different thesis projects supervised)
- Job-related skills**
- good command of a wide type of scientific instrumentation (ESI-MS, NMR, XPS, EIS, SEM, XRD...)
 - Organic and Inorganic synthesis skills earned in my master thesis internship

ADDITIONAL INFORMATION

- Publications**
(22)
- Bonomo M. *et al.* *J Mater Sci Nanotechnol* 2016, 4(2), 201.
 Bonomo M. *et al.* *Energies* 2016, 9(5), 373 DOI: [10.3390/en9050373](https://doi.org/10.3390/en9050373)
 Congiu M. *et al.* *ChemistrySelect* 2016, 1, 2808. DOI: [10.1002/slct.201600297](https://doi.org/10.1002/slct.201600297)
 Bonomo M. *et al.* *J. Phys. Chem. C* 2016, 120, 30, 16340. DOI: [10.1021/acs.jpcc.6b03965](https://doi.org/10.1021/acs.jpcc.6b03965)
 Bonomo M. *et al.* *Langmuir* 2016, 32, 44, 11540 DOI: [10.1021/acs.langmuir.6b03695](https://doi.org/10.1021/acs.langmuir.6b03695)
 Cavallo C. *et al.* *J. Nanomaterials* 2017, Article ID 5323164, DOI: [10.1155/2017/5323164](https://doi.org/10.1155/2017/5323164)
 Congiu M. *et al.* *J. of Nanopart. Res.* 2017, 19, 7 DOI: [10.1007/s11051-016-3707-4](https://doi.org/10.1007/s11051-016-3707-4)
 Bonomo M. *et al.* *J. Electrochem. Soc.* 2017, 164, 4, H137 DOI: [10.1149/2.0051704jes](https://doi.org/10.1149/2.0051704jes)
 Bonomo M. *et al.* *Appl. Surf. Sci.* 2017, 403, 441. DOI: [10.1016/j.apsusc.2017.01.202](https://doi.org/10.1016/j.apsusc.2017.01.202)
 Bonomo M. *et al.* *New J. Chem.*, 2017 DOI: [10.1039/C6NJ03466G](https://doi.org/10.1039/C6NJ03466G)
 Bonomo M. *et al.* *J. Phys. D*, 2017, 50, 205501 DOI: [10.1088/1361-6463/aa6a79](https://doi.org/10.1088/1361-6463/aa6a79)
 Bonomo, M. *et al.* *Colloids and Surface A* 2017, 532, 464 DOI: [10.1016/j.colsurfa.2017.04.029](https://doi.org/10.1016/j.colsurfa.2017.04.029)
 Bonomo M. *et al.* *ChemElectroChem*, 2017, 4, 2385 DOI: [10.1002/celec.201700191](https://doi.org/10.1002/celec.201700191)
 Mariani A. *et al.* *Phys. Chem. Chem. Phys.* 2017, 19, 27212 DOI: [10.1039/C7CP04592A](https://doi.org/10.1039/C7CP04592A)
 Bonomo, M. *et al.* *J. Electrochem. Soc.* 2017, 164, F1412 DOI: [10.1149/2.0671713jes](https://doi.org/10.1149/2.0671713jes)
 Bonomo, M. *et al.* *J. Electrochem. Soc.* 2017, 164, H1099; DOI: [10.1149/2.0971714jes](https://doi.org/10.1149/2.0971714jes)
 Bonomo, M. *et al.* *ChemistrySelect* 2018, 3, 1066; DOI: [10.1002/slct.201702867](https://doi.org/10.1002/slct.201702867)
 Marrani, A.G. *et al.* *Appl. Surf. Sci.* 2018, 445, 404. DOI: [10.1016/j.apsusc.2018.03.147](https://doi.org/10.1016/j.apsusc.2018.03.147)
 Bonomo, M. *et al.* *J. ElectroAnal. Chem.* 2018, 801, 205, DOI: [10.1016/j.jelechem.2018.03.058](https://doi.org/10.1016/j.jelechem.2018.03.058)
 Bonomo M. *et al.* *Solar Energy*, 2018, 169, 237 DOI: [10.1016/j.solener.2018.04.050](https://doi.org/10.1016/j.solener.2018.04.050)
 Bonomo M. *et al.* *ChemistrySelect* 2018, 3, 6729 DOI: [10.1002/slct.201800827](https://doi.org/10.1002/slct.201800827)
 Bonomo M. *et al.* *Coatings* 2018, 8, 232 DOI: [10.3390/coatings8070232](https://doi.org/10.3390/coatings8070232)
- Journal Referee**
I.F. > 3 (8)
- Nanoscale (I.F. 7.367)
 Journal of Power Sources (I.F. 6.945)
 Journal of Material Chemistry C (I.F. 5.256)
 Electrochimica Acta (I.F. 4.798)
 Physical Chemistry Chemical Physics (I.F. 4.123)
 Solar Energy (I.F. 4.018)
 New Journal of Chemistry (I.F. 3.269)
 Journal of Electrochemical Society (I.F. 3.266)
- Presentations**
(6)
- 21st International Conference on Solid State Ionics (Padua, July 2017, Oral Presentation)
 ECHEMS XII (Milano Marittima, June 2017, Oral Presentation)
 HOPV 17 (Lausanne, May 2017, Oral Presentation)
 MYCS (Rimini, October 2016, Oral Presentation)
 GEI 2016 (Gargano, September 2016, Oral Presentation)
 21st ElectroChem Conference (Leicester, August 2016, Oral Presentation)
- Conferences**
(4)
- ECHEMS XII (Milano Marittima, June 2017, 1 Poster Contribution)
 30th ECIS Conference (Rome, September 2016, 2 poster contributions)
 Convegno Giovani Chimici (Rome, June 2016, 1 Poster Contribution)
- Honours and awards**
(3)
- “Photo Analytical” prize (Best Electrochemical Master Thesis in 2015) awarded by Italian Chemical Society
 “Bando per progetti di mobilità di studenti di dottorato di ricerca” awarded by Sapienza University of Rome
 Finalist at the “ChiMiCapisce” Context

ADDITIONAL INFORMATION

Citations 167 international citation of my scientific papers (H-index = 8, i10-index = 7, Google Scholar)

Courses 7th School of Photochemistry (Bologna, June 2016)
(1)

A handwritten signature in black ink, appearing to read "Matteo Bonomo", is written over a light gray, textured rectangular background.