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Current Positions: Full Professor of General and Inorganic Chemistry, Department of Chemical Science, University of Padova (since October 2017).
Coordinator of the Master Degree in “Sustainable Chemistry and Technologies for Circular Economy”, University of Padova (since 2021)
DFG Mercator Fellow (Visiting Professor) at Karlsruher Institut für Technologie (KIT) (Jan 2021-Dec 2024 and Jan 2025-Dec 2028)
Visiting Professor Justus-Liebig-Universität Giessen, Germany (since 2013, two months each year).

Previous Positions: TUM Global Visiting Professor at Lehrstuhl für Anorganische und Metallorganische Chemie, Fakultät für Chemie, Technische Universität München (2021)
DFG Mercator Fellow (Visiting Professor) at Justus Liebig Universität Gießen (two months/year from 2016 to 2020)
Senior Research Scientist (Primo Ricercatore) of the Italian National Research Council (CNR), Italy at ICMATE-CNR, Padova (2010-September 2017)
Research Scientist (Ricercatore) of the National Research Council (CNR), Italy at ISTM-CNR (2001–2010)
FWF Lise Meitner Post-doc fellow, TU Wien, Vienna, (Jan 2001-July 2002)
Project Technical Advisor (PTA) of the European Cluster on Catalysis for the European Commission (2014-2019)

Education and scientific background, academic records

2013 Italian Scientific Habilitation (for full professorship) in Inorganic Chemistry
2013 Italian Scientific Habilitation (for full professorship) in Technical Chemistry
Jan1998 - Dec 2000 University of Padua, Italy, Ph.D. in Inorganic Chemistry (Scienze Chimiche)
1997 University of Padua, Italy, Professional Habilitation in Chemistry (State Certification Exam)

1996	Degree “ <i>summa cum laude</i> ” in Chemistry (Laurea Quinquennale in Chimica, 110/110 e lode) University of Padova, Italy
1990	Maturità scientifica Liceo Scientifico Statale “Ippolito Nievo”, Padova, Italy (60/60)

Visiting professorships and staying abroad

2021 - 2025	Visiting Professor Justus-Liebig Universität Giessen (Germany, 2 months/year)
2021 until 2028	DFG Mercator Visiting Professor Karlsruher Institut für Technologie (Germany, 1 month/year)
2021	TUM Global Visiting Professor Technische Universität München (3 weeks)
2016 until 2020	DFG Mercator Fellow in the Graduiertenkolleg “Substitutionsmaterialien für nachhaltige Energietechnologien” of the Justus-Liebig Universität Giessen.
2013 until 2015	Visiting Professor Justus-Liebig Universität Giessen (Germany, 2 months/year)
2013 and 2014	Visiting Professor Paris Lodron Universität Salzburg (Austria, 2 weeks/year)
2007 and 2008	Visiting scientist University of Versailles (France, 2 months every year)
2004 and 2005	Visiting scientist University of Stuttgart (Germany, 1 month every year)
2001-2002	Lise Meitner Post-Doc Fellowship (FWF Austria), Institut für Materialchemie, Technische Universität Wien, Vienna, Austria (18 months)
1999	Research fellowship, Technische Universität Wien, Vienna, Austria (3 months)
1995	Erasmus Fellowship, Georg-August Universität Göttingen, Germany (3 months)

Former and present academic appointments (selection)

2024-present	Member of “Istituto Veneto di Scienze, Lettere ed Arti”, classe di Scienze Naturali
2024-present	University of Padova representative in the Italian Cluster SPRING on Bioeconomy
2024-present	Member of Internationalisation Board (Commissione Internazionalizzazione) of the Inorganic Division- Italian Chemical Society 2022-2023
2023-present	Member of INSTM Scientific Board (Consiglio Scientifico)
2022-2023	Member of the Workgroup on Sustainability of the University of Padova
2021-2023	Member of the “800 Anni” Committee of the University of Padova
2021-present	Member of Managing Board (Consiglio Direttivo) of the Inorganic Division- Italian Chemical Society (2 nd term)
2021-present	Member of Managing Board (Consiglio Direttivo) of EnerChem - Italian Chemical Society (2 nd term)
2021-present	Coordinator of the Master Degree Programme “Sustainable Chemistry and Technologies for Circular Economy”, University of Padova, starting in 2021-2022
2019-2022	Member of the Board “Internazionalizzazione” of the School of Science, University of Padova
2018-present	Co-coordinator of the Board “Terza Missione” (relationships with companies and outreach) of the Department of Chemical Sciences, University of Padova
2017-2022	Member of the Managing Board (Consiglio Direttivo) of the PhD Course in Molecular Science, University of Padova
2014-present	Italian Delegate in ESUO Board (terms 2014-2016, 2017-2020, 2021-2023, 2023-2025)
2014-2020	Member of the Board of SILS, Società Italiana di Luce di Sincrotrone (terms 2014-2016, 2017-2020)
2013-2021	Member of the “Erasmus Board” of the Department of Chemical Sciences, University of Padova

2013-present	Member of “Collegio dei Docenti” of the PhD Course in Molecular Science, University of Padova
2013-2017	Co-supervisor of two PhD students of the Max Planck Institut für Polymerforschung, Mainz (Germany) (supervisor Prof. Dr. K. Landfester)
2004-present	Group leader of a research group (Dec 2024: 21 people: 2 Assistant professors, 3 post-doc, 6 PhD students, 8 Master students, 4 fellows) and coordinator of the two “Wet chemistry & colloids” inorganic synthesis labs at the Department of Chemical Sciences, University of Padova
2002-present	Supervisor of 20 PhD students, ~ 100 Master students (Chemistry, Technical Chemistry, Pharmacy, Materials Sciences, Circular Economy), ~25 Bachelor students, 24 German and 2 French guests or Erasmus students at the University of Padova, Italy
2004- present	Lecturer at the University of Padova (General Chemistry and Inorganic Chemistry (2010/11-2011/12), Advanced Inorganic Chemistry (Chimica Inorganica III) (since 2012/2013) Chemistry of Nanosystems (2004/05-2007/08), Environmental Toxicology (2014/15-2018/2019), Biomaterials (since 2020-2021), Materials Design and Selection for Circular Economy (since 2022-2023), Colloid Chemistry (since 2014/15), Communication of Chemistry (since 2007/08), Organic-Inorganic Hybrid Materials (course for PhD students 2007/08-2014/15), X-ray for Chemistry (course for PhD students, 2017/2018 and 2019/2020), Sustainable Chemistry (at JLU Giessen, since 2021)
2003-present	Coordinator of 23 Erasmus Exchange Programs with EU Universities (DE, AT, FR, NL, SLO, HR, HU, E)

Awards and fellowships

2025-2028	DFG Mercator Fellow (visiting professor) at KIT Karlsruhe (DE)
2021	TUM Global Visiting professorship at TUM (DE)
2021-2024	DFG Mercator Fellow (visiting professor) at KIT Karlsruhe (DE)
2021	DAAD Forschungsstipendium for research in DE (2M, Giessen)
2016-2020	DFG Mercator Fellow (visiting professor) at U. Giessen (DE)
2007, 2015	CNR Short Term Mobility Program
2013	Award SABIC Innovation Challenge
2005	DAAD Forschungsstipendium for research in DE (1 M, Stuttgart)
2002	Premio Regionale Innovazione (best PhD Thesis)
1999	Aldo Gini Fellowship (U. Padova)

Evaluation activities, editorial activities, conference organisation and further appointments (selection)

2024	Editor of the book Unconventional Green Synthesis of Inorganic Nanomaterials, RSC, UK
2024	Guest Co-Editor of a Special Issue on “Sustainable Inorganic Chemistry for Circular Economy” in Chemistry- A European Journal, ChemSusChem
2023-present	Member of Editorial Board of Sustainability and Circularity NOW (Thieme Publisher)
2021-present	Member of Panel of ERC Consolidator Grants (PE03)
2020	Convener of session Theme B at EuChems 2020 (postponed to 2022)
2019	Guest Editor of a Special Issue on “Low-temperature solution approaches to oxide functional nanoscale materials” in Chemistry- A European Journal

2008-present	Member of the expert evaluators panels for different projects of the European Commission (withing FP6, FP7, Horizon 2020, Horizon Europe, ERC programs)
2014-present	Project Technical Advisor (PTA) for the European Commission of the European Cluster on Catalysis
2018-2021	Member of the Editorial Board of "Journal of Physics D-Condensed Matter" (IOP, UK)
2014-present	Member of the Editorial Board of "Materials" and of "Coatings" (MDPI, Switzerland)
2014	Convener of session F4 at EuChems 2014 conference
2013	Guest Editor of a Special Issue on "Advances in Functional Hybrid Materials" in Materials
2007- present	Member of the organizing/scientific or Scientific Committee of 22 national conferences and 12 International conferences
2007- present	Organization of events for popularization of chemistry for children (3-18 yrs)
2007-present	Member of PhD Examination boards or evaluator of PhD Theses at Max-Planck Institut für Kolloid- und Grenzflächenforschung (Golm, DE), University of Gießen (DE), University Milano Bicocca (IT), University of Verona (IT), University of Venice Ca' Foscari (IT), University of Montpellier - Saint-Gobain (France), University of Toulouse (France) Trinity College Dublin (Ireland), IIT and University of Genova (Italy), University of Padova (Italy)
2007- present	Evaluator of proposals for the DFG, COST, Swiss National Science Foundation (SNF), Austrian Science Foundation (FWF), Slovenian Research Agency (ARRS), Polish Research Agency, Czech Science Foundation, Research Grant Council (RGC) of Hong Kong, Ministero dell'Istruzione (MIUR), Flander Research Foundation (FWO).
2002-present	P.I. of about 90 R&D projects with different national and multinational companies
2002-present	P.I. of five scientific and bilateral projects (with UK, Germany, Austria, Slovenia)
2004-present	P.I. and coordinator of about 70 projects (XAS, XPS, SAXS) at European Synchrotron facilities (DESY, ANKA, ESRF, Soleil, Elettra, PSI, Diamond)
2001-present	Referee for several scientific journals (Nature Comm., Angew. Chemie, Inorg. Chem., Adv. Funct. Mater, Adv. Mater, Adv. Mater. Interf., Nanoscale, Chem. Mater., J. Mater. Chem, Chem. Comm., PCCP, Nanoletters, Dalton Trans., J. Phys. Chem. etc.)

Organisation of winter and summer schools (9)

2026	Co-chair of the second edition of the PhD Winter School on Green Chemistry Synthesis for circular economy, Padova, 27-30 January, 2026
2025	Chair of the fourth edition of the PhD Summer School on Circular Economy, Padova, 30 June-4 July 2025, "Circular economy enabling the energy transition"
2025	Co-chair of the first edition of the PhD Winter School on Green Chemistry Synthesis for circular economy, Padova, 17-21 February, 2025
2024	Co-chair of the third edition of the PhD Summer School on Circular Economy, Giessen, 2-5 September 2024 "Circular and Sustainable by design"
2024	Co-chair of the first of the PhD Summer School on Critical Raw Materials, Caorle (Venezia), 3-7 June 2024
2024	Co-chair of the second edition of the PhD Winter School School "InoMat" on Inorganic Materials, Brixen (Bozen), 15-18 January, 2024

2023	Chair of the second edition of the PhD Summer School on Circular Economy, Padova, 17-22 July 2023, "R ⁴ : Remanufacturing, refurbishment, recovery and recycling in Circular Economy"
2022	Chair of the first edition of the PhD Summer School on Circular Economy, Padova, 18-23 July 2022
2021	Co-chair of the first edition of the PhD Winter School "InoMat" on Inorganic Materials, Brixen (Bozen), 15-18 January, 2024

Organisation of longlife learning courses and microcredentials

2025	Participant as teacher to two microcredentials as longlife learning project related to topics of Circular Economy
2024	Co-Coordinator of a longlife learning project funded by Regione Veneto in the field of Sustainable Chemistry
2024	Coordinator of a microcredential on Critical Raw Materials within the "Mille" project funded by EIT Raw Materials (coordinator Prof. Franco Bonollo)

Project coordination (only P.I. role, not included participation to other projects)

2023-2025	Coordinator of the bilateral Germany-Italy project "Watching solids crystallising: operando and in situ investigation of crystallisation and catalytic activity of inorganic nanomaterials prepared by microwave-enhanced hydrothermal and microfluidic synthesis." funded by the MAECI Ministry (Italy)
2023-2024	Coordinator of the project Unimpresa "AlterEco" funded by the company Sincera and University of Padova.
2023-2024	Coordinator of the project "MiRa: Minimise and Rationalise: introducing sustainability best practices and protocols in the inorganic materials synthesis laboratory" funded by the RSC.
2021-2022	P.I. of the University of Padova Unit of the project "Digichem" funded by the European Commission
2022-2024	Coordinator of the project "Clocks- Closing the loop" number 21211 funded by the KIC Raw Materials, European Commission
2019-2021	P.I. of Levi-Cases project on "AMONRA- All oxide solar cells" at Interdepartmental Center "Levi-Cases", University of Padova
2018	P.I. of a P-DISC project on "Space matters- Crystallisation in confined space" at Department of Chemical Science, University of Padova
2018-2019	Scientific coordinator, FSE Project, Veneto Region
2018-2021	Coordinator of a research unit in Progetto di Eccellenza 2017 Fondazione Cariparo "InnoGel-Innovative hydrogels for conservation agriculture"
2016-2018	Italian P.I. of a bilateral project Italy-UK funded by Royal Society of Chemistry (International Exchanges Scheme - 2016/R1) "Sustainable hydrothermal synthesis routes for nanocrystalline ferrites"
2007-now	P.I. of about 70 projects on beamtimes at EU synchrotron radiation sources
2005-2007	Italian P.I. of a bilateral project "Progetto bilaterale di Grande Rilevanza Italia-Slovenia (B2) funded by Ministero degli Affari Esteri (Italia) and Slovenian ARRS
2004-now	P.I. of about 90 industrial projects in cooperation with Italian and European companies

Invited talks at universities, research institutions or companies (58)

06.08.2025	Karlsruher Institut für Technologie, Karlsruhe (Germany)
31.07.2025	Universität Köln (Germany)
21.07.2025	Universität Bayreuth (Germany)
02.12.2024	Centenario Università di Trieste, University of Trieste (Italy)
14.06.2024	Università Ca' Foscari di Venezia, PhD School in Nanotechnology (Italy)
13.02.2024	Università degli Studi di Trieste, PhD School in Nanotechnology (Italy)
26.10.2023	University of Toulouse (France)
17.8.2023	CRC 347, Universität Duisburg-Essen (Germany)
22.08.2023	Otto von Guericke Universität Magdeburg (Germany)
01.08.2023	Universität Koblenz (Germany)
08.08.2023	Universität Bayreuth (Germany)
4.8.2022	Karlsruher Institut für Technologie, Karlsruhe (Germany)
06.06.2021	Lehrstuhl für Anorganische und Metallorganische Chemie, Fakultät für Chemie, Technische Universität München (Germany)
25.02.2021	Department of Chemistry, University of Ljubljana (Slovenia) (on line)
10.09.2020	Safimet SpA, Arezzo (Italy)
04.08.2020	Heraeus GmbH, Hanau (Germany)
06.06.2020	Umicore AG KG & Co, Hanau (Germany)
18.02.2020	Department of Chemistry, University of Ljubljana (Slovenia)
23.04.2019	Department of Chemistry, University of Warwick (UK)
15.11.2018	Saint Gobain ed Università di Montpellier, Cavaillon (France)
15.08.2018	Umicore AG KG & Co, Hanau (Germany)
11.12.2017	Physikalisch-Chemisches Institut, Justus-Liebig-Universität Giessen (Germany)
28.07.2017	Institut für Technische Chemie und Polymerchemie (ITCP), Karlsruher Institut für Technologie (KIT), Karlsruhe (Germany)
03.08.2016	Institut für Anorganische Chemie, Justus-Liebig-Universität Giessen (Germany)
19.10.2015	Institut für Anorganische Chemie, Universität Hamburg, Hamburg, (Germany)
27.11.2014	FB 08, Paris-Lodron Universität Salzburg (Austria)
29.07.2014	Institut für Anorganische Chemie, Justus-Liebig-Universität Giessen (Germany)
18.12.2014	FB 08, Paris-Lodron Universität Salzburg (Austria)
22.08.2013	Physikalisch-Chemisches Institut, Justus-Liebig-Universität Giessen (Germany)
19.08.2013	Institut für Organische Chemie, Universität Hamburg, Hamburg, (Germany)
25.07.2013	Max-Planck Institut für Polymerforschung, Mainz, (Germany)
20.06.2013	Dipartimento di Dipartimento di Chimica e Chimica Industriale, Università di Pisa (Italy)
28.06.2012	Dipartimento di Scienza dei Materiali, Università di Milano Bicocca, Milano (Italy)
15.05.2012	Institut für Anorganische Chemie, Universität Saarbrücken, Saarbrücken, (Germany)
18.12.2009	Physikalisch-Chemisches Institut, Justus-Liebig-Universität Giessen (Germany)
17.04.2009	Institut für Anorganische Chemie, Universität Bochum, Bochum, (Germany)
19.12.2008	Institut für Anorganische Chemie, Universität Paderborn, Paderborn, (Germany)
17.11.2008	Institut für Anorganische Chemie, Georg-August-Universität Göttingen, (Germany)
14.11.2008	Exzellenzcluster Engineering of Advanced Materials (EAM), Erlangen (Germany)
15.07.2008	Institut Lavoisier, Università Saint-Quentin Versailles, Versailles (France)
04.04.2008	Institut für Anorganische Chemie, Technische Universität Berlin, Berlino (Germany)

07.01.2008	Institut für Anorganische Chemie, Universität Erlangen-Nürnberg, Erlangen (Germany)
26.11.2007	Institut für Anorganische Chemie, Technische Universität Clausthal, Clausthal (Germany)
18.06.2007	Institut Lavoisier, Université Saint-Quentin Versailles, Versailles (France)
21.05.2007	Institut für Anorganische Chemie, Julius-Maximilians-Universität Würzburg, Würzburg (Germany)
19.04.2007	Institut für Anorganische Chemie, Johann W. Goethe Universität, Frankfurt am Main (Germany)
02.02.2007	Università degli Studi di Trento, Trento (Italy)
12.10.2006	University of Nova Gorica, Nova Gorica (Slovenia)
07.01.2005	ETH-Eidgenössische Technische Hochschule, Zurich (Switzerland)
17.11.2004	Institut für Materialchemie-Technische Universität Wien, Vienna (Austria)
11.08.2004	Max Planck Institut für Kolloid- und Grenzflächenforschung, Golm, Berlin (Germany)
04.08.2004	EMPA- Eidgenössische Materialprüfungs- und Forschungsanstalt, Dübendorf (Switzerland)
15.07.2004	Fraunhofer Institut Grenzflächen-und Bioverfahrenstechnik, IGB, Stoccarda (Germany)
20.01.2004	Institut für Anorganische Chemie, Universität Tübingen, Tübingen (Germany)
01.10.2003	National Institute of Chemistry, Ljubljana (Slovenia)
24.06.2003	Institut für Physikalische Chemie-Universität Stuttgart, Stoccarda (Germany)
05.04.2002	Biomedical Engineering Center- Ohio State University, Columbus (Ohio, US)
06.03.2002	Institut für Materialchemie-Technische Universität Wien, Vienna (Austria)
22.06.2001	Institut für Physikalische Chemie- Technische Universität Clausthal, Clausthal (Germany)
07.05.2001	Institut für Anorganische Chemie-Technische Universität Wien, Vienna (Austria)

Invited talks at national and international conferences (35)

18.09.2025	<i>Plenary Lecture</i> at Congress of the Slovenian Chemical Society, Portorose (Slovenia)
26.05.2025	<i>Key-note invited lecture</i> at E-MRS, Strasbourg, (France)
09.12.2024	<i>Key-note invited lecture</i> at 2nd Australian Conference on Green and Sustainable Chemistry & Engineering, Melbourne (Australia)
18.09.2024	<i>Key-note invited lecture</i> at E-MRS, Warsaw, 16-20 September 2024 (Poland)
25.09.2024	<i>Invited plenary lecture</i> a Workshop on circular economy and sustainable development in research and innovation, Brussels (Belgium)
11.03.2024	<i>Key-note invited lecture</i> at International Conference on Resource Chemistry, Alzenau (Germany)
20.09.2023	<i>Key-note invited lecture</i> at E-MRS Fall 2023, Symposium for Advanced ceramics for environmental remediation, Varsavia (Poland)
07.09.2023	<i>Invited lecture</i> at „Nanotage“, Dresden, 6-7 September, 2023
03.09.2023	<i>Plenary invited lecture</i> at Wissenschaftsforum Chemie, WiFo2023, Leipzig (Germany)
08.06.2023	<i>Invited lecture</i> a Convegno nazionale “Nano23@univ”
12.07.2021	<i>Key-note invited lecture</i> at Inn4Mech (on-line)
03.06.2021	<i>Invited webinar</i> on sustainable chemistry (MDPI)
11.03.2021	<i>Key-note invited lecture</i> at 3 rd Innovation Catalysis Forum (on line)
04.06.2020	<i>Key-note invited lecture</i> at 2 nd Innovation Catalysis Forum, Frankfurt (Germany)
26.11.2019	<i>Plenary lecture</i> at Merck <i>Young Chemists'</i> Symposium 2019, Rimini (Italy)
25.09.2019	<i>Key-note invited lecture</i> at the Innovation Catalysis Forum, Frankfurt (Germany)
02.09.2019	<i>Key-note invited lecture</i> at the European Conference on Solid State Chemistry, ECSSC 17, Lille (France)

28.8.2019	<i>Invited lecture</i> at GrK International Workshop, Castle of Rauschholzhausen, Giessen (Germany)
19.06.2018	<i>Invited lecture</i> Symposium I: Solution processing and properties of oxide thin films and nanostructures, E-MRS 2018, Strasburgo (France)
28.09.2017	<i>Invited Key-Note nel simposio</i> Advanced nanomaterials and technologies for energy exploitation at the Nanoinnovation 2017, Rome (Italy)
10.09.2015	<i>Key-note invited lecture</i> at Congresso Nazionale di Chimica Inorganica
30.07.2015	<i>Invited lecture</i> at CeO ₂ -based materials in catalysis and electrochemistry Symposium, Castle of Rauschholzhausen, Giessen (Germany)
10.05.2015	<i>Invited lecture</i> Symposium A CO ₂ conversion, E-MRS 2015, Lille (France)
17.04.2015	<i>Invited lecture</i> at Workshop Raman, Salzburg (Austria)
17.06.2014	<i>Invited lecture</i> at SOLMAT Conference Vipava (Slovenia)
25.05.2014	<i>Invited lecture</i> Symposium I: Solution processing and properties of oxide thin films and nanostructures, E-MRS 2014, Strasburg (France)
15.05.2012	<i>Invited lecture</i> Symposium Q Hybrid Materials, E-MRS 2012, Strasburg (France)
14.05.2008	<i>Invited lecture</i> at CERC3, TU Wien, Vienna (Austria)
18.01.2007	<i>Invited lecture</i> at Nanoweek 2006, 18 gennaio 2007, Verona (Italy)
26.09.2006	<i>Invited lecture</i> at International Conference “Le cerebrolesioni”, Cassino (Italy)
27.05.2006	<i>Invited lecture</i> at Finmeccanica Conference, Politecnico di Milano, Milano (Italy)
29.09.2005	<i>Invited lecture</i> at International Conference La malattia di Parkinson, Sirmione (Italy)
12.04.2005	<i>Invited lecture</i> at 14 th International Symposium Spectroscopy, Nova Gorica (Slovenia)
22.10.2004	<i>Invited lecture</i> at SloNano 2004, Ljubljana (Slovenia)
22.09.2000	<i>Invited lecture</i> at 10th Int. Symposium on Fine Chemistry and Functional Polymers, Jinan (Cina)

Memberships and affiliations

Member of the Royal Society of Chemistry (RSC)
Member of the Gesellschaft Deutscher Chemiker (German Chem. Soc. (GdCh)
Member of the German Kolloid-Gesellschaft EV (2019)
Member of the DECHEMA
Member of the Società Chimica Italiana (Italian Chemical Society (SCI), Divisione Chimica Inorganica
Italian Delegate in the European Synchrotron User Organization (www.esuo.org)
Member of the Società Italiana di Luce di Sincrotrone (SILS)
Member of Consorzio Interuniversitario Scienza e Tecnologia dei Materiali (INSTM)

Language skills

Italian	mother tongue
German	proficient, written and spoken
English	good, written and spoken

Bibliographic records, invited lectures and talks

~ 210	papers in international peer-reviewed ISI journals (11 as reviews, highlights or feature articles)
1	Book “Unconventional Green Synthesis of Inorganic Nanomaterials”, RSC, 2024
4	patents
41	h-index (source: Scopus, September 2025)
58	invited lectures at foreign Universities and Institutions or companies
55	invited lectures and key notes at international and national conferences and symposia
~70	oral contributions at international and national conferences and symposia
7	chapters in book
6	papers in reviewed non ISI technical database (Surface Science Spectra)
17	papers in conference proceedings (4 peer reviewed)

15 relevant recent publications (2015-2024) in the field of green chemistry, sustainability and circular economy

1. P. Ostellari and S. Gross
A Mature Tool to Address New Challenges: Harnessing Coordination Chemistry for the Sustainable Copper Recovery from Industrial and E-Waste in the Age of Energy Transition
Eur. J. Inorg. Chem., e2024007042024
DOI:[10.1002/ejic.202400704](https://doi.org/10.1002/ejic.202400704)
2. D. Karimian, V. Anzuoni, Z. Smania, L. Orian, S. Gross, M. Carraro
Enhanced Nanocellulose Production from Cotton and Textile Waste Using Binary and Ternary Natural Deep Eutectic Solvents
Adv. Sustainable Syst. eLoc. 2400525 2024
DOI:[10.1002/adsu.202400525](https://doi.org/10.1002/adsu.202400525)
3. P. Ostellari, M. Tapparelli, G. Bragaggia, A. Sandon, M. C. Lavagnolo, L. Girardi, M. Manica, L. Salmaso and S. Gross
Hydroxy-carboxylic Acids as Green and Abundant Ligands for Sustainable Recovery of Copper from a Multimetallic Powder: a Proof of Concept
ChemSusChem, e202401389, 2024
DOI:[10.1002/cssc.202401389](https://doi.org/10.1002/cssc.202401389)
4. T. Gatti, F. Lamberti, R. Mazzaro, I. Kriegel, D. Schlettwein, F. Enrichi, N. Lago, E. Di Maria, G. Meneghesso, A. Vomiero and S. Gross
Opportunities from doping of non-critical metal oxides in last generation light-conversion devices
Advanced Energy Materials, 2021, 2101041
DOI:[10.1002/aenm.202101041](https://doi.org/10.1002/aenm.202101041)
5. J. van Embden, S. Gross, K. R. Kittilstved, E. Della Gaspera
Colloidal Approaches to Zinc Oxide Nanocrystals
Chemical Reviews, 2022, 123(1), 271-326
DOI:[10.1021/acs.chemrev.2c00456](https://doi.org/10.1021/acs.chemrev.2c00456)
6. G. Salviulo, M. C. Lavagnolo, M. Dabalà, E. Bernardo, A. Polimeno, M. Sambì, F. Bonollo and S. Gross
Enabling circular economy: the overlooked role of inorganic materials chemistry
Chemistry-A European Journal, 2021, 27, 1-21
DOI:[10.1002/chem.202002844](https://doi.org/10.1002/chem.202002844)
7. S. Diodati, R. Walton, S. Mascotto and S. Gross
Low-temperature wet chemistry synthetic approaches towards ferrites

- Inorganic Chemistry Frontiers, 2020, 7, 3282-3314
DOI:[10.1039/D0QI00294A](https://doi.org/10.1039/D0QI00294A)
8. I. Bretos, S. Diodati, R. Jimenez, F. Tajoli, J. Ricote, G. Bragaggia, M. Franca, M. L. Calzada and S. Gross
Low-temperature solution crystallization of nanostructured oxides and thin films
Chemistry-A European Journal, 2020, 26, 42, 9157-9179
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Padova, January 13th, 2025

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