

CURRICULUM VITAE

PERSONAL INFORMATION

NAME and SURNAME: GIOVANNI DI LIBERTO

PLACE and DATE of birth: BERGAMO il 13/04/1991

PhD in Chemistry Date: 22/01/2019 **Place:** Università degli Studi di Milano

Job Position (07/2023-Present): Tenure-Track Assistant Professor (RTDb),
Dipartimento di Scienza dei Materiali, Università degli Studi di Milano Bicocca.



WORKING EXPERIENCE

- Assistant Professor (RTDa), Università degli Studi di Milano Bicocca (10/2020-06/2023).
- Post-Doc in the group of Prof. Gianfranco Pacchioni, Università degli Studi di Milano Bicocca (12/2018-09/2020).
- HPC-Europa 3 “HPC17W04A2” project visiting scientist at Universitat de Barcelona, Prof. Francesc Illas group (09/2019-11/2019).
- PhD, Università degli Studi di Milano (2015-2018).

SCIENTIFIC PRODUCTION AND BIBLIOMETRIC DATA

Scientific Production: Author of about 100 publications, >30 of which as first author, and >30 as corresponding author, > 70 without the PhD Supervisor. 15 invited to talk at International and National workshops. Some of the publications are contained in the following journals: Advanced Functional Materials (1), Journal of Materials Chemistry A (3), Nature Synthesis (1), ACS Catalysis (8), Journal of the American Chemical Society (2), Nature Communication (2), Chemical Society Reviews (1), Small (3), Advanced Materials (1), Angewandte Chemie (1).

Bibliometrics records: Citations: ~3300 (Scopus), ~3800 (Google Scholar). H index: 36.

PROJECTS AND AWARDS

Peer-Reviewed Projects

- PI of the project FIS3 “NEXT Generation Single-Atom Catalysis: Theory of Plasma-promoted Molecular Activation (NEXTSACS)”, **1024 kEuro (2025)**.
- PI of the project EHPC-REG-2025R02-089 for computational power of the EUROHPC JU CALL FOR PROPOSALS FOR REGULAR ACCESS MODE (2026).
- PI of the Project Activation of Molecules by Tailored Vibrational Excitation for Next Generation Plasma Catalytic Technologies (ACTIVE), **25kEuro (2025)**.
- PI of five ISCRAB project at Italian Supercomputing Center, for a total amount of $\sim 4.5 \cdot 10^6$ CPU hours (2019-2023).
- PI of the international project “*Coordination Chemistry of Single-Atom Alloys*” for computational power of the EUROHPC JU CALL FOR PROPOSALS FOR REGULAR ACCESS MODE (2024).
- PI of one PRIN 2022 PNRR project SACToH₂, “Rational design of single-atom catalysts for

- light to H₂ generation, **240Keuro (2022)**.
- Local Unit Coordinator, PRIN 2022 project UNDERSAC, “Understanding the structure and nature of single-atom catalysts” **220Keuro (2022)**.
- PI of the “HPC17W04A2” HPC Europa3 project **(2019)**.

Awards

- 2024 :“*Junior in Research*” award from **Catalysis Thematic Group of the Italian Chemical Society**, 1000 Euro.
- 2024 :“*Eolo Scrocco*” award from **Theoretical and Computational Chemistry Division of the Italian Chemical Society**.
- 2022:“*Gianpaolo Brivio International award for the physics and chemistry of Materials*”, 5000 Euro.
- 2020:“*Giuseppe del Re*” award from **Theoretical and Computational Chemistry Division of the Italian Chemical Society**.
- 2019:“*Young Talents*” award from **Università degli Studi di Milano Bicocca and Accademia Nazionale dei Lincei**, 5000 Euro.
- 2018:“*Young Physico-Chemist award*” from the **Physical Chemistry Division of the Italian Chemical Society**.

ADDITIONAL INFORMATION

- **SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS**

2024 – Present: **Supervisor of three Postdoc researchers**, 1) Elisabetta Inico, 2) Mesfin Eshete, 3) Alessandro Bonardi

2024 – Present: **Supervisor of two PhD students** 1) Clara Saetta, 2) Matteo Spotti

2022– Present: **Supervisor of six Master (6)**, and **fifteen Bachelor (15)** students in Chemistry and Physics. One student is a PhD student at the Fritz Haber Institute (Germany), one student is PhD at ICIQ (Spain), two are PhD students at Università degli Studi di Milano – Bicocca (Italy).

- **TEACHING ACTIVITY**

2020 – Present: Lecturer of “Laboratory of General Chemistry”, “Chemistry” bachelor degree (40 Students), Department of Materials Science, Università degli Studi di Milano - Bicocca/Italy

2022 – Present: Lecturer of “Chemistry”, “Physics” bachelor degree (150 Students), Department of Materials Science/Università degli Studi di Milano - Bicocca/Italy

2025 – Present: Lecturer of “Chemistry of Ceramic Materials”, “Materials Science” bachelor degree (100 Students), Department of Materials Science/Università degli Studi di Milano - Bicocca/Italy

- **ORGANISATION OF SCIENTIFIC MEETINGS**

2026: 1st International school in Single-Atom Catalysis – To be held on May 25th-28th 2026 in Como (Lake Como Summer School), Chair.

2026: 1st International school in Computational Catalysis – To be held on June 10th-12th 2026 in Modena, Chair.

2025: “Catalisi in Gioco”, Meeting of young researchers in Catalysis, an initiative of the Thematic group of Catalysis of the Italian Chemical Society, Member of the Organizing Committee.

2024: II Edition of International Workshop on Single Atom Catalysis, Chair.

2024: Twins in Catalysis: Merging Theory and Experiment, to be held in November 2024, Barcelona, Member of the Organizing Committee.

2024: Topical Meeting in Catalysis during the national meeting of the Italian Chemical Society, Member of the Organizing Committee.

2022: I Edition of International Workshop on Single Atom Catalysis, Co-Chair.

- **INSTITUTIONAL RESPONSIBILITIES**

2026 – 2028: Board Member and Secretary of the Division of Theoretical and Computational Chemistry of the Italian Chemical Society.

2026 – 2028: Board Member and Secretary of the Regional Lombardy Section of the Italian Chemical Society.

2024 – Present: Board Member for Evaluation of Quality of Research (VQR) in Chemical Science in Italy.

2026 – Present : Delegate of « Centro di Ateneo per la formazione degli insegnanti ».

2025 – Present: Vice-Director of the Teaching Board « Percorsi di formazione insegnanti », section of Chemistry (A34) of University of Milano Bicocca.

2023 – Present: President of the Orienteering Commission of the bachelor's degree in chemistry (University of Milano Bicocca)

- **COMMISSIONS OF TRUST**

2024: Guest Editor of a Special Collection of J. Physical Chemistry C

2024 – Present: Member of the Editorial Board of Materials Today Catalysis.

2020 – Present: Reviewer (>15 papers/year) for Nature Review Chemistry, Nature Communication, Angewandte Chemie, JACS, Nature Synthesis, Physical Review Letters, ACS Catalysis, Small, Chemical Science, & others.

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

2024 – Present: Member of the International Society of Electrochemistry (ISE)

2020 – Present: Member of the American Chemical Society (ACS)

2018 – Present: Member of the Italian Chemical Society (SCI)

- **MAJOR COLLABORATIONS**

Prof. Gianvito Vilé, Nature and Reactivity of Single-Atom Catalysts, Politecnico di Milano, Italy.

Prof. Stefan Bromley, Modelling of materials Interfaces, Universitat de Barcelona and ICREA, Spain.

Prof. In Wan Lee, Nanostructures Electrocatalytic materials, Korea University, Korea.

Prof. Fabio La Mantia, Fundamental aspects of electrochemistry and electrocatalysis, Universität Bremen, Germany.

Prof. Francesc Illas and Angel Morales, Modeling catalytic materials with quantum chemical methods.

Place and Date

Milano, 11/05/2026

Signature

Giovanni Di Liberto