

## PERSONAL INFORMATION & TRACK RECORD

Surname, Name: **Grancini, Giulia**

Date of birth: **05/05/1984**; Nationality: **Italian**

**Highly Cited Scientist for five years since 2019 Clarivative.**

H index=65 (Scholar); total number of citations >34000 (Scholar).

N. of scientific Publications: 167; 13 patents; one book chapter.

Researcher unique identifiers:

ORCID ID: 0000-0001-8704-4222; Scopus ID: 6508101563;

Researcher ID: K-9060-2013; Web of Science Researcher ID: AAH-3557-2019

**web site**: <https://pvsquared2.unipv.it/>



## EDUCATION

2012 **PhD cum laude in Physics**, Politecnico di Milano, Physics Department, Milano, Italy; PhD SupervisorS: Prof. Guglielmo Lanzani & Prof. Giulio Cerullo

2008 Master Degree in Physical Engineering, Politecnico di Milano Milano, Italy

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## CURRENT POSITIONS

- 06/2025 – now **Full Professor, Chemistry Department, University of Pavia**, Pavia, Italy Head of the PVsquared2 team of 15 scientists, responsible for the PVsquared2 laboratories. *Principal Investigator (PI)* of the ERC CoG 2024 “ELOW-DI”, Fare Project “Express”, Fondazione Cariplo “FLHYPER” and MITE “GOPV” for a total of 9.4M Euros to my name since 2019. **Mission**: advance in fundamental and applied science on emerging solar technology: from developing advanced materials to sustainable photovoltaic technologies.
- 07/2020 – now **Editorial Advisory Board** of Chem Soc Rev, ACS Energy Letters, and JACS Au American Chemical Society

## PREVIOUS POSITIONS

- 07/2019 – 06/2025 **Associate Professor, Chemistry Department, University of Pavia**, Pavia, Italy Head of the PVsquared2 team of 12 scientists, responsible for the PVsquared2 laboratories. *Principal Investigator (PI)* of the ERC StG 2019 “HYNANO”
- 05/2017 – 06/2019 **Team Leader, École Polytechnique Fédérale de Lausanne (EPFL)** Valais, Sion, Switzerland. **Mission**: PI of the Ambizione Energy HYPER grant (740 kCHF), Responsible of a group of 2 PhD students and 2 Post docs.
- 07/2022 – 01/2024 **Associate Editor** of Chem Soc Rev IF=46.2
- 09/2015 – 05/2017 **Scientist, École Polytechnique Fédérale de Lausanne (EPFL)** Valais, Sion, Switzerland with Prof. M. k. Nazeeruddin *EPFL COFUND Marie Skłodowska-Curie* (68 kCHF), **Mission**: Manager of optical spectroscopy lab on advanced perovskite solar cell. Responsible of a group of 2 PhD students and 1 Post doc. Co-PI of Project EPISODE (500K CHF) and of CTI project (760K CHF).
- 01/2012 – 08/2015 **Post-Doc Researcher, Istituto Italiano di Tecnologia (IIT)**, under MESO European Project of Dr. Petrozza. **Mission**: Understanding hybrid perovskites physics. Management of spectroscopy lab and of 4 PhDs and 2 students.
- 02/2013 – 04/2013 **Visiting Scientist, University of Utah, Salt Lake City**, Utah, USA in the group of Prof. V. Vardeny. **Mission**: development of a new ultrafast transient absorption setup in the IR spectral region.
- 08/2010 – 04/2011 **Visiting PhD Student, Oxford University**, Oxford, UK with Dr. Henry Snaith. **Mission**: fabrication and optoelectronic characterization of hybrid solar cells.

## RESEARCH ACHIEVEMENTS AND PEER RECOGNITION

**167 Scientific Publications, most cited publications:**

[https://scholar.google.com/citations?user=R1\\_uLQsAAAAJ&hl=en](https://scholar.google.com/citations?user=R1_uLQsAAAAJ&hl=en)

## RESEARCH GRANTS

- IMPACT - MUR PNRR - “Fondo per il Programma Nazionale di Ricerca e Progetti di Rilevante Interesse Nazionale (PRIN)”, 63.281 €
- Materiali di nuova Generazione Per celle fotoVoltaiche tandem (GoPV), MITE Piano triennale 2019-2021 della Ricerca di sistema elettrico nazionale, 515.037 €
- 2D/3D Perovskite Heterojunction Solar Cells: Pairing Performance with Stability (HERO) Competitive Research Grants (CRG) Program CRG11 2022, KAUST 81.600 \$
- Green Flexible Hybrid Perovskite Solar Module For The Market: From Smart Lead Manipulation To Recycling (FLHYPER) Circular Economy for a sustainable future – 2020 Fondazione Cariplo 200k€
- Engineering Water Repellent Coatings by Functional Nano-Sponges: a Springboard to Stable Perovskite Devices (SPIKE) ERC-2022-Proof of Concept (POC) Horizon Europe 150k€
- Exploring Photoferroelectricity in halide perovskites for optoelectronics (EXPRESS) MUR Framework Per L'attrazione E Il Rafforzamento Delle Eccellenze Per La Ricerca In Italia (FARE) 2018, 299.816 €
- Hybrid NANOstructured multifunctional interfaces for stable, efficient and ecofriendly photovoltaic devices (HY-NANO) H2020 ERCEA ERC Starting Grant 2018 1.5M€

## SELECTED PRIZES AND AWARDS

- The Second Nano Materials Science Award by Nanomaterials Science (2023)
- Rosa Camuna Award for Research 2023, Lombardy Region
- Special Honour from Italian Republic President Mattarella for Scientific Merits as “Cavaliere della Repubblica” (2021)
- Italian Abilitation for Full Professor obtained both in Chemistry and in Physics
- Journal of Materials Chemistry Lectureship from Royal Society of Chemistry (2020)
- Highly Cited Scientist for the last 5 years in a row since 2019 (ranking in the top 1% by citations for field and year) (cross field) – Clarivate Analytics
- USERN Laureate in Physical Science 2019, Budapest (2019).
- Swiss Physical Society Award 2018 in Applied Physics (2018)
- IUPAP Young Scientist Prize in Optics 2017 for “deep knowledge on photophysical properties and ultrafast light-induced dynamical processes” (2017)

## MEMBERSHIPS

- Panel Member of ERC CoG 2025, ERCEA
- Member of “top 1% highly cited scientists” from Clarivate – mostly cited in the world (since 2019)
- Invited Fellow of the Royal Society of Chemistry (2023)
- Member Elected of “Accademia XL”, one of the ancient academies of top Italian scientists (2022)
- Invited Member of “Gruppo 2003 per la ricerca scientifica”, made of the top 1% highly cited scientist in Italy (2020)
- Italian Ambassador USERN Universal Scientific Education and Research Network (since 2020)
- Member of “100 donne nella scienza contro gli stereotipi” Fondazione Bracco, Milano, selecting the most influential women scientists in Italy (since 2020).
- Member of Board of the Young Academy of Europe (2019-2021)
- 2010-2012, 2015, 2017-2023 Member of the Materials Research Society (MRS)

## SELECTED TALKS:

**Since 2020 I have been invited to deliver 10 plenary and 32 invited talks.** Here a selection:

- Invited Talk at HOPV 2025, Roma (2025)
- Invited Talk at Nature Conference, Nanjing (2024)
- Plenary MRS Session, Featured Invited Talk at MRS/The Kavli Foundation Frontiers of Materials “Hybrid Perovskite Solar Cells—A Game Changer for Near-Future Photovoltaics”, Boston, (2023)
- Two Invited Talks at EN05 and EN06 symposia, MRS Fall 2023 Boston (2023)
- Plenary Talk at The Second Nano Materials Science Award by Nanomaterials Science (2023)
- Invited Talk at the International Conference PSCO 23, Oxford (2023)
- Two Invited Talks at MRS Spring, online (2023)

## CONFERENCE ORGANIZATION

Took part in the organization of international symposia for MRS and nanoGe, such as PEREMER21, NIPHO 22, NIPHO 24, the E-MRS Symposium O (Halide Perovskites for photonic applications: stability and durability issues), and the MRS Fall 2021 symposia. Scientific panelist of SPIE Organic Photonics+Electronics in 2022 and 2020, and SPIE Optics+Photonics in 2024.