

PERSONAL INFORMATION & TRACK RECORD

Surname, Name: **Grancini, Giulia**

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

Highly Cited Scientist for five years since 2019 Clarivate.

H index=63 (scopus); total number of citations >32000 (scopus).

N. of scientific Publications: 166; 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

21/02/2012 **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

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

164 Scientific Publications, most cited publications:

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

I actively take part in the organization of international symposia within the MRS and nanoGe conferences, such as the PEREMER21, NIPHO 22 (organized in Pavia) and NIPHO 24 (which will take place in Sardinia); the E-MRS Symposium O (Halide Perovskites for photonic applications: stability and durability issues); the MRS Fall 2021 symposia. Scientific panelist of SPIE Optics+Photonics International Conference 2024 (SPIE Organic Photonics + Electronics in 2022 and in 2020).