

Dr. Renaud DEMADRILLE (44 years old, French)

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Scopus Author ID: [6602428772](https://orcid.org/0000-0002-7455-5709) and Researcher ID: J-6088-2018



RESEARCH TOPICS

Organic materials for optoelectronics, Organic semiconductors, Photovoltaics, Polymers for energy conversion and storage (solar cells, thermoelectricity...), Dye-sensitized solar cells.

AWARDS and GRANTS

2019: ERC Advanced Grant. Project PISCO: “Photochromic Solar Cells: Towards Photovoltaic Devices with Variable and Self-Adaptable Optical Transmission”

2018: Chemistry and Energy Prize, award from the “Société Chimique de France”

ACADEMIC TRAINING

2016: Habilitation à Diriger les Recherches (HDR), Univ. Grenoble-Alpes (UGA), France

1997-2000: Ph.D in Chemistry, University of Aix Marseille II, Luminy, France.

Subject: “Photodegradation mechanisms and stabilisation processes of photochromic materials in polymer matrices for optical lenses applications”.

Mentors: Profs R. Guglielmetti, G. Giusti and M. Campredon

POSITIONS and PROFESSIONAL EXPERIENCES

Since 2016: Senior Expert Research Engineer, project leader in the field of organic and hybrid materials for photovoltaics and organic electronics

2009-2011: Research Engineer, Policy Officer in charge of the development of organic and hybrid photovoltaics activities at CEA-INAC

Since 2005: Research Engineer, project leader in the field of materials for organic electronics.

2004-2005: Post-doctoral fellow at XLIM Institute of the University of Limoges, France,
Subject: “Preparation of lanthanide-based emitters for application in Infra-Red organic light-emitting diodes.” *Mentor:* Prof. André Moliton.

2002-2004: Post-doctoral fellow at CEA-DRF Grenoble, France

Subject: “Synthesis and characterisation of pi-conjugated polymers for applications in organic bulk-heterojunction solar cells”. *Mentor:* Prof. A. Pron.

2000-2001: Temporary Researcher, Rhodia Silicon Company (now Solvay), Lyon, France

Subject: “Formulation of silicone elastomers for high performances applications, study of the degradation processes during the storing period”. *Mentors:* Drs A. Pouchelon and G. Mignani.

SCIENTIFIC CONTRIBUTIONS (Source: Web of Science May 2019)

2 book chapters (invited), **71 publications** including **2 reviews**, **8 granted patents** including 2 with licensing agreements, **15 invited and keynotes lectures** in international conferences and schools, **3 invited lectures** in national conferences, **more than 30 contributed talks** in national, international conferences and workshops.

Web of Science: H-Factor: **23**, Total citations > **1900**, average citations per article > **27**