

Dr Salvador Eslava - CV

[WoS ResearcherID F-3539-2012](#); [Orcid-0000-0002-2416-3205](#); [Scopus](#); [Google Scholar](#)

• EDUCATION

2015 – 2017 Fellow of the Higher Education Academy, United Kingdom (UK)
2005 – 2009 PhD, Centre for Surface Chemistry and Catalysis (COK), Katholieke Universiteit Leuven and IMEC, Belgium. With Profs K Maex, CEA Kirschhock, and JA Martens.
2004 – 2005 Taught Master in Materials Science, Università degli Studi di Pavia, Italy
1998 – 2003 MEng in Chemical Engineering (1st class), Universitat Autònoma de Barcelona, Spain

• CURRENT AND PREVIOUS POSITIONS

2019 – date Reader (Assoc. Prof.) and (earlier) Senior Lecturer, Dept. Chem. Eng., Imperial
2014 – 2019 Lecturer, Dept. Chem. Eng., University of Bath, UK
2011 – 2014 Postdoctoral research associate, Dept. Materials, Imperial College London, UK
2008 – 2011 Postdoctoral research associate, Dept. Chemistry, University of Cambridge, UK

• TEACHING

2020 – date Lecturer in Heat Transfer (TP2) and Mastery Y2, Imperial College London, UK
2014 – 2019 Lecturer in Chem. Eng. undergraduate and PhD modules including Transport Phenomena 3, Science for Chemical Engineering, Advanced process control and design tools, and Final Year MEng Product & Process Design, Uni. of Bath
2011 – 2014 Lab demonstrator in Y1-Y2 Mater. Eng., Dept. Materials, Imperial College London
2009 – 2011 Teacher of “supervisions”/tutorials in Y1 Chemistry, Dept. Chem., Uni. Cambridge

• ORGANISATION OF SCIENTIFIC MEETINGS

2025 Symposium Organiser, E-MRS Spring Meeting, Strasbourg, France
2024 – 2026 RSC Photophysics Photochemistry Group Early Career Meeting
2023 Symposium organiser, NanoGe MATSUS Fall 2023, Torremolinos, Spain
2023 Symposium organiser, FEMS EUROMAT 2023, Frankfurt, Germany
2019 – 2024 Scientific committee member of E-MRS Fall symposium, Warsaw, Poland

• ORGANISATION OF OUTREACH ACTIVITIES

2022 – 2025 Organised a stand on solar hydrogen research each year, Great Exhibition Road Festival, London. Festival attendance over 50k people over each weekend x 3 years
2022 – 2024 Organised presentations in summer schools to teen age students at Imperial visits and around London school visits. Average audience 50 students x 10 events
2016 – 2019 Organised a stand on water splitting, Bath Taps into Science x 4 years

• FELLOWSHIPS AND AWARDS

To date >30 invited or keynote talks at conferences, e.g. International Solar Fuels, Newcastle, UK; MATSUS 2025-2023 Valencia, Barcelona and Lausanne, Europe; ECS PRiME 2024, Honolulu, USA; EU SOLAR2CHEM Winter School 2023, Spain; 9th UK Solar Fuels Symposium, 2021, Glasgow, UK; 72nd A.M. Intern. Soc. Electrochem, 2021 Jeju, Korea;
To date >30 invited or keynote talks at universities or research centres, e.g. The Institute of Photonic Sciences, Jun 2024, Barcelona, Spain; Univ. of Cambridge, Dec 2024, UK; Univ. of Oulu, Oct 2022, Oulu, Finland; Yonsei University, Jan 2021, Seoul, S. Korea
2024 Fellow Member of the Royal Society of Chemistry
2021 Warner Medal (unanimous awarded), Institution of Chemical Engineers IChemE's Medals & Prizes Committee, for research work on solar fuels and its dissemination
2020 Student Choice Award nomination for my teaching in Chem. Eng. at Imperial.
2019 Awarded £1.3m EPSRC Early Career Fellowship
2018-19 Guest professor at University of Chile, Chile, and Yonsei University, South Korea

• SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL RESEARCHERS

2019 – date 4 Postdocs / 13 PhD / 27 MSc, Dept. Chem. Eng., Imperial College London, UK
2015 – 2019 3 Postdocs / 8 PhD / 1 MPhil / 8 MRes, Dept. Chem. Eng., University of Bath, UK.
2012 – 2013 4 MSc, Dept. Materials, Imperial College London, UK.

• INSTITUTIONAL RESPONSIBILITIES

2026 – date Director of the UK Solar Chemicals Network
 2024 – date Coordinator of the MSc courses in Chemical Engineering at Imperial
 2024 – date Non-Prof's rep in the Department of Chemical Engineering at Imperial
 2024 – date Committee member of the RSC Photophysics and Photochemistry group
 2019 – date Meeting Secretary of the Clean Energy Special Interest Group of the IChemE.
 2018 – 2019 Undergraduate Admissions Tutor, Dept. of Chem. Eng. at University of Bath, UK
 2015 – 2018 Equality and Diversity Coordinator, Dept. of Chem. Eng. at University of Bath, UK
 2012 – 2014 Postdoctoral rep, Centre for Advanced Structural Ceramics, Imperial

• EDITORIAL AND REVIEWING ACTIVITIES

2020 – date Editorial Board member of the journal *Hydrogen*, MDPI
 2010 – date Regular proposals evaluator of the UK EPSRC, EU ERC, EU MSCA, Irish SEAI National Energy RDD, Spanish Research council, German DAAD, Romanian National Research Council, FONDECYT-CHILE, and United Arab Emirates (UAE)
 2019 – 2021 Guest editor in Current Opinion in Green and Sustainable Chemistry, Elsevier.
 2019 – 2020 Assessor of Research Fellowships for Cambridge colleges
 2018 – date External PhD examiner of 15 students at Universities of York, Liverpool, Heriot-Watt, Cambridge, Bristol, Oviedo, Santiago de Chile, and IIT Delhi
 2006 – date Peer-reviewer of ~ 20 journal articles per year in *Nat. Commun.*, *Nat. Energy*, *Chem. Soc. Rev.*, *Angew. Chem. Int. Ed.*, *Adv. Mater.*, and ACS journals

• MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2015 – date Associate Member of The Institution of Chemical Engineers (AMIChemE)
 2013 – date Member of UK SFN, SCN, CO2Chem, MISE and UK&I Semicon. Photochem.
 2006 – date Member of American Chemical Society ACS and Materials Research Society MRS
 2011 – date Fellow of Royal Society of Chemistry (FRSC)

• SELECTED FUNDED PROJECTS (total £5.4m)

EPSRC Responsive	£1.54m	PI	Integrated PV and EC for Solar Chemicals	09/26–08/29
UK Cat Hub	£167k	PI	Chalcogenide photocatalysts for C-C coupling	04/26–02/27
ICP-5 Royce	£129k	PI	Graphene-Integrated Solar Devices for Chemicals	10/25–02/26
BASF	£135k	PI	Photo(electro)catalysts for sustainable C-C coupling	10/23–09/27
BP-ICAM	£167k	PI	Novel photocathodes for hydrogen production	10/21–09/25
EPSRC Fellowship	£1.29m	PI	Interface Engineering for Solar Fuels	11/19–11/25
EPSRC CapitalAward	£344k	Co-I	Capital Equipment Award (Chemisorption analyser)	10/18–10/19
Leverhulme award	£125k	Co-I	Pyroelectric H ₂ O splitting using ferroelectrics	09/18–08/20
EPSRC Bright Ideas	£339k	PI	Engineering halide perovskites for artificial leaves	04/18–02/21
EPSRC First Grant	£125k	PI	Nanostructured metal oxides for solar fuels	03/17–07/18
CDT CSCT & Cat	£800k	Sup.	7 PhD scholarships on solar fuels	09/15–06/22
Innovate UK	£261k	Co-I	AFT–low emission, fuel enrichment technology...	04/17–03/18

• RESEARCH METRICS and PUBLICATIONS

Peer-reviewed journal publications: 95; Patents: 1
 Conference presentations: >75
 Google Scholar citations on 6th Aug 2026: >5.3k
 Google Scholar h-index: 40

Examples as corresponding author:

* [Nat. Energy 2025, 10, 581–591](#) Enhanced solar water oxidation and unassisted water splitting using graphite-protected bulk heterojunction organic photoactive layer.
 * [Nat. Commun. 2024, 15, 2791](#) Ultrastable halide perovskite CsPbBr₃ photoanodes achieved with electrocatalytic glassy-carbon and boron-doped diamond sheets
 * [Adv. Energy Mater. 2024, 2401298](#) Advancing Hematite Photoanodes for Photoelectrochemical Water Splitting: The Impact of g-C₃N₄ Supported Ni-CoP on Photogenerated Hole Dynamics
 * [Nat. Commun. 2019, 10, 2097](#) Graphite protected CsPbBr₃ halide perovskite based photoanodes for oxygen evolution in water

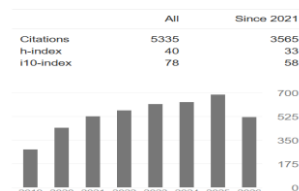


Fig. 1. [Google Scholar](#) results