

CV Anders Hagfeldt. March 4, 2020.

Birth

February 16th, Norrköping, Sweden

Address

Director of Laboratory of Photomolecular Science, Swiss Federal Institute of Technology (EPFL), CH-1015 Lausanne, Switzerland. Phone: + 41 21 693 5308 | e-mail: Anders.Hagfeldt@epfl.ch | web: www.lspm.epfl.ch

Google scholar: Anders Hagfeldt, OrcID: 0000-0001-6725-8856, ResearcherID: B-8123-2014

Education

1989 Master of Science (Fil.kand.) in Physics and Chemistry; Uppsala University
1993 PhD, Physical Chemistry; Uppsala University (Profs. Hans Siegbahn, Sten-Eric Lindquist, Sten Lunell)
1994 Post-doctoral Fellow; EPFL, Switzerland (Prof. Michael Grätzel)

Employment History/Professional Chronology

2014 – to date Professor chair in Physical Chemistry, EPFL
2007 Professor chair in Physical Chemistry, Uppsala University
2004 Professor in Chemical Physics, Uppsala University
2000 Associate Professor in Chemical Physics, Uppsala University
1998 Associate Professor in Physical Chemistry, Uppsala University
1994 Assistant Professor in Physical Chemistry, Uppsala University

Visiting/Adjunct Professor:

- Institut Català de Nanociència i Nanotecnologia (ICN2), Barcelona, Spain, (2020 -)
- Alagappa University, India (2019 -)
- Uppsala University, Sweden (2014-2018)
- Nanyang Technological University, Singapore (2012-2018)
- King Abdulaziz University, Saudi Arabia (2014-2017)
- Sungkyunkwan University, Korea (2013-2014)
- Université Paris Diderot, France (2013)
- Institute of Materials Research and Engineering, Singapore (2008–2010)
- Dalian University of Technology, China (2006-2010)
- Royal Institute of Technology (KTH), Sweden (2005 – 2007)

RESEARCH AND MANAGEMENT ACTIVITY

He is a Full Professor in Physical Chemistry at EPFL, Switzerland, and Director of Laboratory for Photomolecular Science. His research focuses on the fields of dye-sensitized solar cells (DSSC), perovskite solar cells (PSC) and solar fuels. His research includes physical chemical approaches for fundamental understanding of electronic properties and dynamics of materials, interfaces and devices, materials science and device development, and development of up-scalable manufacturing methods. For DSSC his group made the breakthrough of combining organic dyes and organometallic redox complexes, which is now used in world record devices. For PSCs Hagfeldt and Grätzel laboratories took the world record of 21.0% in 2015 by introducing the strategies of compositional engineering of the perovskite materials. This concept is state-of-the-art for the highest performance PSCs and used virtually by all PSC groups world-wide. He also introduced high efficiency planar PSCs which is used in the latest world record devices.

He has acted as Head of Departments and Dean of Chemistry at Uppsala University and at present he is at EPFL the section director for education in chemistry and chemical engineering, member of the Department's Steering Committee, the board of the EPFL Energy Center, and the board of academic promotion.

During 2013-2019 he chaired the Committee for Development Research at the Swedish Research Council.

He is co-founder and board member of the company Dyenamo AB.

Institutional Responsibilities

2020 – to date Director Teaching Section of Chemistry and Chemical Engineering, EPFL

2018- to date Member, ISIC Steering Committee, Institute of Chemical Sciences and Engineering, EPFL

2017- to date	Member, Board of EPFL Energy Center
2017- to date	Member, Board of Committee of Academic Evaluation, School of Basic Sciences, EPFL
2009-2013	Dean of Chemistry, Uppsala University
2008-2009	Head, Department of Physical and Analytical Chemistry, Uppsala University
2005 – 2014	Director, Center for Molecular Devices (KTH), 2005-2014
2006 – 2014	Director, Joint Education and Research Center on Molecular Devices, Dalian University of Technology, Dalian, China, and KTH, Stockholm
2004	Head, Dept. of Physical Chemistry, Uppsala University

Supervisor

PhD Students (36 total, 5 current)

Postdoctoral Scholars (27 total, 6 current)

Teaching Activities

1994 – 2014	Uppsala University, Average 25% teaching, Several courses in the field of physical chemistry (general chemistry, thermodynamics, statistical thermodynamics, kinetics, electrochemistry, surfaces and interfaces, solar energy conversion, photoelectrochemistry, photovoltaics) at bachelor, master and PhD levels
2014 – present	EPFL, Autumn semester: Statistical Thermodynamics, Spring semester: Classical Thermodynamics, Physical Chemistry of Interfaces

Bibliometric Data

Web of Science, 2020-02-28: Number of articles: 538. Number of citations (without self-citations): > 65'000. h-index: 124. Google Scholar, Number of citations: > 86'000. h-index: 135.

Memberships in panels, boards, etc (2000 – present)

2013 -	Chairman of the Committee for Development Research, Swedish Research Council
2017 -	Editor-in-chief, Journal of Materials Chemistry A
2019-	Advisory Editorial Board, Chemical Society Reviews
2015 -	Advisory Editorial Board, Nano Energy, 2015 -
2016 -	Advisory Editorial Board, Energy&Environmental Science
2017 -	Advisory Editorial Board, Sustainable Energy & Fuels
2017 -	Advisory Editorial Board, npj Flexible Electronics
2014 -	Advisory Editorial Board, Chemical Physics Letters
2013 – 2014	Member, Board, International Science Programme (ISP), Uppsala University
2009 – 2013	Member, Board, Faculty of Science and Technology, Uppsala University
2009 – 2012	Member of the Steering Committee, Uppsala BIO
2009 -	Founder and board member, Dyenamo AB
2008 – 2014	Board member, Department of Physical and Analytical Chemistry (from 2012 Department of Chemistry – Ångström)
2006 – 2008	Advisory Group for the Solid State Dye-Sensitized Solar Cells Project at the Energy Research Institute (ECN), the Netherlands
2000 – 2004	Board member of the Nanodynamics Group, Gothenburg, of the
1999 – 2004	Board member, Dept. of Physical Chemistry, Uppsala University
1999 – 2002	Board member, Kemiska Sällskapet (The Chemical Society), Uppsala
1996 – 2004	Program Secretary, Ångström Solar Center, Uppsala University

Memberships of Scientific Societies

2016 -	Member of the European Academy of Sciences
2014 -	Member of the Royal Swedish Academy of Sciences (KVA), Stockholm
2011 -	Member of the Royal Society of Sciences at Uppsala
2008 -	Member of the Royal Swedish Academy of Engineering Sciences (IVA), Stockholm

Organization of Scientific Meetings

2021	Chair, Gordon Research Conference “Solar Energy Conversion”, Hong Kong, China
2020	Co-chair, NIPHO, Perovskite solar cells, photonics and optoelectronics, Sevilla, Spain
2019	Co-chair, 2 nd Dyenamo DSSC Conference, Uppsala, Sweden
2017	Co-chair, DSSC strikes back, Uppsala, Sweden
2017	Chairman, The 9th Int. Conference on Hybrid & Organic Photovoltaics (HOPV17, Lausanne)

- 2017 Organizing committee, ICMAT 2017, Session U “Halide Perovskites for Optoelectronics Applications”, Singapore
- 2014 Organizing committee, MRS Boston, Session “Perovskite solar cells”
- 2012 Chairman, The 4th Int. Conference on Hybrid & Organic Photovoltaics (HOPV12) Uppsala
- 2006 Chairman, Int. Conf. on Photochemical conversion & storage of solar energy (IPS-16), Uppsala, Sweden

Awards/Professional Recognition

- 2020 Nominated for the Balzan Prize 2020 “Environmental Challenges: Material science for renewable energy”
- 2017 Doctor Honoris Causa, Dr.h.c., Université Paris Diderot, France
- 2016 The Björkenska Prize, Uppsala University
- 2014 – 2018 Thomson Reuter’s and Clarivate Analytics, Web of Science Highly Cited Researcher: 2014, 2015, 2016, 2017, 2018, 2019 - among the top 1% most cited in chemistry
- 2012 *Nature* Award for Mentoring in Science
- 2011 Ranked as number 46 of the top-100 material scientists of the past decade (2001 – 2010) by Times Higher Education
- 2008 The Thuréus Award from Royal Society of Sciences, Uppsala, 2008
- 1999 The Chemistry Student’s IUPAK Award for best teacher, Uppsala, 1999
- 1995 The Benzelius Award from Royal Society of Sciences (Kungl. Vetenskapsoc.), Uppsala,
- 1993 Bjurzons premium for excellent thesis, 1993
- 1992 Erik Norelands Scholarship for best laboratory assistant at the Dept. of Physics