

CV for Bjørk Hammer

Danish citizen, born January 8, 1968. Married. Three children.

Education and career

1990: Master of electrical engineering, Danmarks Tekniske Universitet (DTU).
1993: PhD, Solid state physics, DTU.
1993-1994: Alexander von Humboldt Fellow/post doc (12 months), Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin, Germany.
1994-1995: Post doc., Institut for Fysik, DTU.
1995-1996: Post doc. (6 months), NCSA, Univ. of Illinois at Urbana-Champaign, Illinois, USA.
1996-1997: Research associate professor, Institut for Fysik, DTU.
1997-2000: Associate professor, Institut for Fysik, Aalborg Universitet.
2000-2008: Associate professor, Institut for Fysik og Astronomi, Aarhus Universitet.
2000: Paternal leave of absence (3 months) with 2nd child.
2003: Paternal leave of absence (5 months) with 3rd child.
2009-: Professor, Institut for Fysik og Astronomi, Aarhus Universitet.

Honors and Awards

1995: Direktør P. Gorm-Petersens Mindelegat, Technical University of Denmark (dkk 6.000,-).
1996: STVF's 50 års jubilæumspris, Copenhagen, Denmark (dkk 250.000,-).
2006: Hede Nielsen prisen, Horsens, Denmark (dkk 250.000,-).
2007: Lundbeck Fondens Yngre Forskerpris, Århus (dkk 250.000,-).
2009: Videnskabsministeriets EliteForsk pris, Copenhagen (dkk 1.100.000,-).

Funding record

1998-2003: dkk 3.0 mill., Physical and chemical properties of materials surfaces (STVF).
1999-2005: dkk 2.2 mill., Non-stick coatings (Materialeprogrammet/SNF).
2001-2003: dkk 0.3 mill., Fundamental studies of adsorption (SNF).
2002-2006: dkk 3.0 mill., *Participation in: Towards a hydrogen-based Society* (Centre of Excellence, SNF, STVF).
2003-2006: dkk 1.6 mill., Assembly and manipulation of functional supramolecular nanoarchitectures at surfaces (ESF, SNF).
2004-2006: dkk 0.8 mill., Special sites in heterogeneous catalysis (DCSC).
2004-2006: dkk 1.0 mill., Asymmetric heterogeneous catalysis (FNU, Humboldt Stiftelsen).
2006-2008: dkk 0.8 mill., Functionalization of metal surfaces (DCSC).
2007-2009: dkk 2.9 mill., Katalyse ved grænseflader mellem tre faser (FNU).
2007-2011: dkk 7.8 mill., Hybrid functionals for metal oxide surfaces and nano-particles (NABIIT).
2008-2010: dkk 0.8 mill., Molecular structure and reactions at surfaces (DCSC).
2008-2011: dkk 3.0 mill., Asymmetrisk katalyse ved overflader (Lundbeck Fonden).
2009-2012: dkk 2.0 mill., *Participation in: Growth and Morphology of TiO₂ nano-particles in super-critical fluids* (NABIIT).
2009-2011: dkk 1.0 mill., *Participation in: Danish National Research Foundation Center of Excellence "Self-assembly and Function of Molecular Nanostructures on Surfaces"*.
2010-2012: dkk 1.0 mill., Atomistic simulations of solid-gas interfaces (DCSC).

Publications and presentations

More than 125 papers published in peer-reviewed international journals.

Total citation index: >12000.

H-index: 57 (57 publications are cited 57 times or more).

A search in ISI-Web of Science with the search string:

Author=(Hammer B) AND Address=(Fritz OR Lyngby OR Aalborg OR Aarhus)
reveals more details about my publications.

>90 invited conference, workshop, summer school, or institutional seminar presentations.

Presently invited speaker for the AVS Fall meeting, the ACS Spring 2012 meeting, and the 8th ESPA International Conference.

Scientific leadership

Completed supervision of two PhD, ten master, and six bachelor students, plus eight post docs.

Current group size: Two post docs, seven phd students.