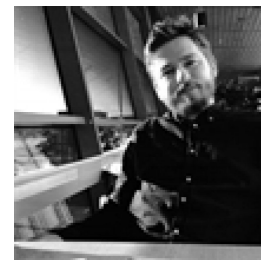


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Publikationer

Effects of bromination on anthryl-capped DPP-based semiconductor materials: Improved electrical characteristics of organic field-effect transistors

Xu, W., Aryal, U. K., Wu, J., Madsen, M., Kjelstrup-Hansen, J., Cao, Z. & Yu, D., 8. aug. 2022, I: *Synthetic Metals*. 290, 7 s., 117153.

Unveiling the energy alignment across ultrathin 4P-NPD hole extraction interlayers in organic solar cells

Ahmad, M., Amelot, D., Cruguel, H., Patil, B. R., Ahmadpour, M., Giangrisostomi, E., Ovsyannikov, R., Silly, M. G., Dudy, L., Madsen, M. & Witkowski, N., 25. apr. 2022, I: *ACS Applied Energy Materials*. 5, 4, s. 5018–5025

2D materials for organic and perovskite photovoltaics

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Efficiency-enhanced scalable organic photovoltaics using roll-to-roll nanoimprint lithography

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Scanning electron microscopy of semiconducting nanowires at low voltages

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Projekter

Bitten & Mads Clausen Foundation - Development of Smart Materials: From research to production

Madsen, M.

01/05/2019 → 31/12/2022

DFF FTP - Large scale integration of nanowire based solar cells

Madsen, M.

01/02/2010 → 31/01/2011

DFF FTP - Reactively sputtered metal oxides for high performance photovoltaics (React-PV)

Madsen, M.

01/10/2018 → 31/03/2023

DFF FTP - Tuning the Photostability of Organic Photovoltaics Components

Madsen, M.

01/07/2020 → 30/06/2024

Fabrikant Mads Clausen Foundation - High Efficiency Solar Cells for PV Units

Madsen, M.
01/01/2013 → 31/12/2013

FP7 Marie Curie ITN - Thin-film Hybrid Interfaces: a training initiative for the design of next-generation energy devices (THINFACE)

Madsen, M.
01/09/2013 → 31/08/2017

InnovationsFonden - High-efficiency solar cells by spectral transformation using nano-optical enhancement (SunTune)

Madsen, M.
01/03/2015 → 31/12/2019

Interreg5A - RollFlex – An innovation project center for Roll-to-Roll processed flexible devices

Madsen, M.
01/04/2016 → 31/12/2020

Optimisation of small-scale OPV device fabrication

Greenbank, W. & Madsen, M.
01/06/2018 → 31/05/2019

Porphyrin materials for OPV applications

Greenbank, W., Madsen, M. & Bähring, S.
19/02/2019 → 31/05/2019

SDU2020 - Production of next-generation energy devices

Madsen, M.
01/01/2014 → 30/06/2017

Simulation and X-ray analysis of high efficiency OPV active layers

Greenbank, W., Madsen, M., Andreasen, J. W., Prete, M. & Engmann, V.
28/01/2019 → ...

UFM - Structures of Materials in Real Time

Madsen, M.
15/12/2019 → 14/12/2022

Villum Fonden - Mechanical and photochemical stabilization of flexible organic solar cells (Compliant-PV)

Engmann, V. & Madsen, M.
01/01/2017 → 31/05/2020

Undervisning og vejledning

Advanced Topics in Renewable Energy Technologies

Morten Madsen
01/10/2012 → 01/02/2013

ENPHYS (Guest Lecturer)

Morten Madsen
01/09/2018 → 30/11/2018

Experts in Teams

Morten Madsen
01/09/2018 → 21/01/2019

Master and Bachelor projects

Morten Madsen
01/02/2011 → ...

Mechanics 1: Statics (MECH1)

Morten Madsen
01/09/2015 → ...

Mechatronics Design and Build 2

Morten Madsen
01/09/2011 → 31/01/2012

Micro- and Nanofabrication 2 (Guest Lecturer)

Morten Madsen
01/09/2011 → 30/11/2017

Nano Project

Morten Madsen
01/02/2011 → 31/01/2015

Nanofabrication Technology (NFAB)

Yogendra Kumar Mishra & Morten Madsen
04/02/2022 → 27/05/2022

Nanofabrication Technology, (F20)

Morten Madsen & Yogendra Kumar Mishra
01/02/2021 → 30/06/2021

Optoelectronic Device Project (ODPRO)

Morten Madsen
01/02/2011 → ...

Optoelectronic Device Technology (ODT)

Morten Madsen
01/02/2011 → ...

Pædagogisk grundsyn

Morten Madsen
01/02/2011 → ...

PhD André Cauduro

Morten Madsen
01/10/2012 → 01/10/2016

PhD Arkadiusz Goszczak

Morten Madsen
25/02/2013 → 25/02/2016

PhD Bhushan Patil

Morten Madsen
01/10/2014 → 01/10/2017

PhD Golnaz Sherafatipour

Morten Madsen
01/11/2014 → 01/06/2018

PhD Le Lena Maria Nguyen

Morten Madsen
01/06/2020 → ...

PhD Mariam Ahmad

Morten Madsen
15/12/2019 → ...

PhD Mehrad Ahmadpour

Morten Madsen
01/10/2014 → 01/10/2017

PhD Michal Radziwon

Morten Madsen
01/02/2011 → 25/03/2013

PhD Michela Prete

Morten Madsen
01/01/2018 → ...

PhD Mina Mirsafaei

Morten Madsen
01/10/2014 → 01/02/2018

Sustainable Materials in Product Creation

Lykke Margot Ricard
01/02/2020 → ...

Ansættelse

Postdoc

University of California, Berkeley

Berkeley, USA

1. feb. 2010 → 31. jan. 2011

Kvalifikationer

Functional Materials and Nanotechnology, PhD, Syddansk Universitet

Dimissionsdato: 15. sep. 2009

Priser

BHJ Foundation Research Prize 2016

Madsen, Morten (Modtager), 1. feb. 2016

DFF FTP - Large scale integration of nanowire based solar cells

Madsen, Morten (Modtager), 1. feb. 2010