Research outputs:

**Compression of dry lysozyme targets: The target preparation pressure as a new parameter in protein thin film production by pulsed laser deposition**
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

**Comparison of potassium-functionalized Cu2ZnSnS4 nanoparticles annealed in different reactive sulfide atmospheres**
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2018 › Research › peer-review

**Large process-dependent variations in band alignment and interface band gaps of Cu2ZnSnS4/CdS solar cells**
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

**Liquid phase assisted grain growth in Cu2ZnSnS4 nanoparticle thin films by alkali element incorporation**
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

**Micro-scale Real-Time Wear Dynamics Investigated by Synchroton Radiation**
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2018 › Research › peer-review

**Pulsed laser deposition of chalcogenide sulfides from multi- and single-component targets: the non-stoichiometric material transfer**
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

**Boosting the Open Circuit Voltage of Cu2ZnSnS4 Solar Cells by a Lattice-Matched CeO2 Layer and Theoretical Understanding of Interface Defects**
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

**Development of CZTSSe Thin Film Solar Cells with Inclusions of Selenium in the Precursor Stack**
Research output: Contribution to conference › Poster – Annual report year: 2018 › Research › peer-review

**Effect of alkali elements in thin-film Cu2ZnSnS4 solar cells produced by solution-processing**
Research output: Contribution to conference › Paper – Annual report year: 2017 › Research › peer-review

**High-energy deposition methods for CZTS and CTS solar cells**
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review
Investigation of Cu$_2$ZnSnS$_4$ nanoparticles for thin-film solar cell applications
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Na-assisted grain growth in CZTS nanoparticle thin films for solar cell applications
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Nonstoichiometric transfer during laser ablation of metal alloys
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Non-stoichiometry in sulfides produced by pulsed laser deposition
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Pulsed laser deposition (PLD) of multi-component oxide target for Cu$_2$ZnSnS$_4$ solar cells
Research output: Contribution to conference › Poster – Annual report year: 2018 › Research › peer-review

Pulsed laser deposition (PLD) of the CZTS absorber for thin solar cells with up to 5.2-% -efficiency
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Pulsed laser deposition (PLD) of the CZTS absorber for thin solar cells with up to 5.2-% -efficiency
Research output: Contribution to conference › Poster – Annual report year: 2017 › Research › peer-review

Spray-coated Cu$_2$ZnSnS$_4$ thin films for large-scale photovoltaic applications
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2017 › Research › peer-review

Spray-coated ligand-free Cu$_2$ZnSnS$_4$ nanoparticle thin films
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Technology for Si/CZTS Tandem Solar Cell
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2017 › Research › peer-review

Temperature dependent photoreflectance study of Cu$_2$SnS$_3$ thin films produced by pulsed laser deposition
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

The effect of dopants on grain growth and PL in CZTS nanoparticle thin films for solar cell applications
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Ultra-thin Cu$_2$ZnSnS$_4$ solar cell by pulsed laser deposition
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Versatile two-dimensional transition metal dichalcogenides
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Al-doped ZnO: RF- or DC-sputtering?
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2016 › Research › peer-review
Band gap tuning of amorphous Al oxides by Zr alloying
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Comparison of Pulsed Electron Deposition and Pulsed Laser Deposition of selected materials
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Depth-dependent composition of sputtered ZnO:Al
Research output: Contribution to conference › Poster – Annual report year: 2016 › Research › peer-review

Dielectric function and double absorption onset of monoclinic Cu$_2$SnS$_3$: Origin of experimental features explained by first-principles calculations
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Formation of copper tin sulfide films by pulsed laser deposition at 248 and 355 nm
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Large CZTS Nanoparticles Synthesized by Hot-injection for Thin Film Solar Cells
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2016 › Research › peer-review

Lattice-matched Cu$_2$ZnSnS$_4$/CeO$_2$ solar cell with open circuit voltage boost
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Material transfer in Pulsed Laser Deposition of the solar cell materials Cu$_2$SnS$_3$ and Cu$_2$ZnSnS$_4$.
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Novel field test design for acquisition of DC and AC parameters during service
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2016 › Research › peer-review

Novel field test design for acquisition of DC and AC parameters during service
Research output: Contribution to conference › Poster – Annual report year: 2016 › Research › peer-review

On performance limitations and property correlations of Al-doped ZnO deposited by radio-frequency sputtering: Paper
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Optical and electrical properties of polycrystalline and amorphous Al-Ti thin films
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review

Pulsed laser deposition of Cu$_2$ZnSnS$_4$ absorber layers assisted by a reactive sulfur beam for solar cells
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Pulsed Laser Deposition (PLD) of the Solar Cell Materials CZTS and CTS
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Synthesis of ligand-free CZTS nanoparticles via a facile hot injection route
Research output: Contribution to journal › Journal article – Annual report year: 2016 › Research › peer-review
Thermal analysis of CZTS nanoparticles and inks
Research output: Contribution to conference › Poster – Annual report year: 2016 › Research

Chalcogenide compounds made by pulsed laser deposition at 355 and 248 nm
Research output: Contribution to conference › Poster – Annual report year: 2015 › Research › peer-review

Large CZTS Nanoparticles Synthesized by Hot-Injection for Thin Film Solar Cells.
Research output: Contribution to conference › Poster – Annual report year: 2015 › Research › peer-review

Morphology of Copper Tin Sulfide Films Grown by Pulsed Laser Deposition at 248 and 355 nm
Research output: Contribution to conference › Poster – Annual report year: 2015 › Research › peer-review

Optical properties and surface characterization of pulsed laser-deposited Cu$_2$ZnSnS$_4$ by spectroscopic ellipsometry
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Optical properties of photovoltaic Cu$_2$SnS$_3$ films deposited on soda lime glass and Mo-coated glass
Research output: Contribution to conference › Poster – Annual report year: 2015 › Research › peer-review

Optical properties of pulsed laser-deposited Cu$_2$SnS$_3$ films for photovoltaics
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2015 › Research › peer-review

Optimized Packing Density of Large CZTS Nanoparticles Synthesized by Hot-injection for Thin Film Solar Cells.
Research output: Contribution to conference › Poster – Annual report year: 2015 › Research › peer-review

Pulsed Electron Deposition of CZTS
Research output: Contribution to conference › Poster – Annual report year: 2015 › Research

Pulsed laser deposition from ZnS and Cu$_2$SnS$_3$ multicomponent targets
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Pulsed laser deposition (PLD) of the solar cell materials CZTS and CTS
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2015 › Research › peer-review

Simulation of reflectance from white-anodised aluminium surfaces using polyurethane–TiO$_2$ composite coatings
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2015 › Research › peer-review

Synthesis of large CZTSe nanoparticles through a two-step hot-injection method
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Thin film CZTS solar cells made by Pulsed Electron Deposition
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2015 › Research › peer-review

Thin films of CZTS prepared by Pulsed Laser Deposition
Research output: Contribution to conference › Poster – Annual report year: 2015 › Research › peer-review
Use 200x less material! Solar cells based on the Cu$_2$ZnSnS$_4$ compound
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2015 › Research › peer-review

ZnS top layer for enhancement of the crystallinity of CZTS absorber during the annealing
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Annealing in Sulfur of Doctor Bladed CZTS Nanoparticles
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research › peer-review

Anodization and Optical Appearance of Sputter Deposited Al-Zr Coatings
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2014 › Research › peer-review

Appearance of anodised aluminium: Effect of alloy composition and prior surface finish
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Band gap structure modification of amorphous anodic Al oxide film by Ti-alloying
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Controlling the Ratio of CZTS to CZTSe Nanocrystals by Hot Injection of Selenium.
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research › peer-review

Cu2SnS3 for solar cells produced by pulsed laser deposition
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research

CZTS - A new environmentally friendly material for thin-film solar cells
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2014 › Research › peer-review

Electrical characterization of sputtered ZnO:Al films with microprobe technique
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2014 › Research › peer-review

Electrical property mapping of ZnO:Al films with micro four-point-probe technique
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research › peer-review

Enhanced Desorption From Solid Deuterium Driven by Charging with KeV Electrons
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2014 › Research › peer-review

Nanosecond laser ablation and deposition of silver, copper, zinc and tin
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Optical properties and secondary phase identification in PLD-grown Cu$_2$ZnSnS$_4$ for thin-film photovoltaics
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2014 › Research

Optical properties and surface characterization of PLD-grown Cu$_2$ZnSnS$_4$ by spectroscopic ellipsometry
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research
Production of top and bottom layers for CZTS-based solar cells
Research output: Contribution to conference › Poster – Annual report year: 2015 › Research › peer-review

Pulsed laser deposition of Cu-Sn-S for thin film solar cells
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research

Pulsed laser deposition of ZnS and Cu2SnS3 multicomponent targets
Research output: Contribution to conference › Poster – Annual report year: 2014 › Research

Pulsed laser deposition (PLD) of dielectrics – is femtosecond laser ablation better than nanosecond ablation
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2014 › Research › peer-review

Study of Grain Growth of CZTS Nanoparticles Annealed in Sulfur Atmosphere
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2014 › Research › peer-review

Synthesis of CZTS Nanocrystals and Transformation into CZTSe
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

The minimum amount of *matrix* needed for matrix-assisted pulsed laser deposition of biomolecules
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Thin films of absorber material Cu2ZnSnS4 for solar cells
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2014 › Research › peer-review

Anodization of sputter deposited Al-Zr coatings and microstructural issues
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Deposition of matrix-free fullerene films with improved morphology by matrix-assisted pulsed laser evaporation (MAPLE)
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Energy distribution of ions produced by laser ablation of silver in vacuum
Research output: Contribution to journal › Conference article – Annual report year: 2013 › Research › peer-review

Femtosecond-laser ablation dynamics of dielectrics: basics and applications for thin films
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Femtosecond ultraviolet laser ablation of silver and comparison with nanosecond ablation
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Functionalized ormosil scaffolds processed by direct laser polymerization for application in tissue engineering
Research output: Contribution to journal › Conference article – Annual report year: 2012 › Research › peer-review

Investigation of photocatalytic activity of titanium dioxide deposited on metallic substrates by DC magnetron sputtering
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review
Laser ablation of lysozyme with UV, visible and infrared femto- and nanosecond pulses
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2013 › Research › peer-review

Laser deposition rates of thin films of selected metals and alloys
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2013 › Research › peer-review

Pulsed laser deposition of lysozyme: the dependence on shot numbers and the angular distribution
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

Reflectance spectroscopy from TiO₂ particles embedded in polyurethane
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2013 › Research › peer-review

Thin films of C₆₀ produced by matrix-assisted pulsed laser evaporation (MAPLE)
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2013 › Research › peer-review

Time-resolved and integrated angular distributions of plume ions from silver at low and medium laser fluence
Research output: Contribution to journal › Journal article – Annual report year: 2013 › Research › peer-review

A study on matrix assisted pulsed evaporation (MAPLE) of organic materials
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2012 › Research › peer-review

Energy distributions of plume ions from silver at different angles ablated in vacuum.
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2012 › Research › peer-review

Excitation of anodized alumina films with a light source
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2012 › Research › peer-review

Functionalized Ormosil Scaffolds Processed by Direct Laser Polymerization for Application in Tissue Engineering
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2012 › Research › peer-review

Growth of thin carbon-based films by laser assisted methods
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research › peer-review

In vitro studies of PEG thin films with different molecular weights deposited by MAPLE
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Laser ablation dynamics and production of thin films of lysozyme
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2012 › Research › peer-review

Laser ablation of the protein lysozyme
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2012 › Research › peer-review
Light Scattering of TiO₂ Nanoparticles Embedded in Polyurethane
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2012 › Research › peer-review

Pulsed laser deposition of the lysozyme protein: an unexpected "Inverse MAPLE" process
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2012 › Research › peer-review

Epitaxial growth of atomically flat gadolinia-doped ceria thin films by pulsed laser deposition
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Growth of thin films of low molecular weight proteins by matrix assisted pulsed laser evaporation (MAPLE)
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Growth of thin fullerene films by matrix assisted pulsed laser evaporation
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2011 › Research › peer-review

Growth of thin fullerene films by Matrix Assisted Pulsed Laser Evaporation
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2011 › Research › peer-review

Investigation of photocatalytic activity of titanium dioxide coating deposited on aluminium alloy substrate by plasma technique
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2011 › Research › peer-review

Laser ablation dynamics and production of thin films of lysozyme
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2011 › Research › peer-review

Laser ablation of the lysozyme protein: a model system for soft materials
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2011 › Research › peer-review

Laser-assisted deposition of thin C60 films
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2011 › Research › peer-review

Matrix Assisted Pulsed Laser Evaporation for growth of fullerene thin films
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2011 › Research › peer-review

Nanostructured PLD-grown gadolinia doped ceria: Chemical and structural characterization by transmission electron microscopy techniques
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Processing of C60 thin films by Matrix-Assisted Pulsed Laser Evaporation (MAPLE)
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Pulsed laser deposition growth of FeSb2 films for thermoelectric applications
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review
The effects of thermal annealing on the structure and the electrical transport properties of ultrathin gadolinia-doped ceria films grown by pulsed laser deposition
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Time-resolved angular distributions of plume ions from silver at low and medium laser fluence
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2011 › Research › peer-review

Ablation plume dynamics in a background gas: [invited]
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2010 › Research › peer-review

Electrical characterization of gadolinia doped ceria films grown by pulsed laser deposition
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Energy balance of a laser ablation plume expanding in a background gas
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Epitaxial growth of atomically flat gadolinia-doped ceria thin films by pulsed laser deposition
Research output: Contribution to conference › Poster – Annual report year: 2010 › Research › peer-review

Factors controlling the microstructure of Ce0.9Gd0.1O2-δ films in pulsed laser deposition process
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Growth and thermoelectric properties of FeSb2 films produced by pulsed laser deposition
Research output: Contribution to conference › Poster – Annual report year: 2010 › Research › peer-review

Instantaneous monitoring of wear on a micro-nanometer scale through hard coatings by synchrotron radiation
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2010 › Research › peer-review

Ion Production by Laser Impact on a Silver Surface
Research output: Contribution to conference › Poster – Annual report year: 2010 › Research › peer-review

Optical detections from worn and unworn titanium compound surfaces
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Pulsed laser deposition of gadolinia doped ceria layers at moderate temperature – a seeding approach
Research output: Contribution to conference › Poster – Annual report year: 2010 › Research › peer-review

Quantitative TEM analysis of Al/Cu multilayer systems prepared by pulsed laser deposition
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Structural and magnetic properties of Gd/Fe multilayers grown by pulsed laser deposition
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Wear monitoring of protective nitride coatings using image processing
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Charging-assisted desorption of deuterium films by keV electrons
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2009 › Research › peer-review
Den fantastiske laser: fra CD-rom til Star Wars
Research output: Contribution to conference › Paper – Annual report year: 2009 › Research

Factors controlling the microstructure of Ce0.9Gd0.1O2-δ films in pulsed laser deposition process
Research output: Contribution to conference › Poster – Annual report year: 2009 › Research › peer-review

Image processing of worn and unworn protective coatings of TiAlN and TiN on 100Cr6 steel
Research output: Contribution to conference › Poster – Annual report year: 2009 › Research › peer-review

It is absolutely fascinating to work with lasers
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2009 › Communication

Laser ablation plume expansion into an ambient gas: propagation dynamics and energetics
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2010 › Research › peer-review

Materials through light, light through materials: interaction of light and matter
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2009 › Communication

On the growth of gadolinia-doped ceria by pulsed laser deposition
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Physical aspects of the pulsed laser deposition technique: The stoichiometric transfer of material from target to film
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Quantitative TEM analysis of Al/Cu multilayer prepared by pulsed laser deposition
Research output: Contribution to conference › Poster – Annual report year: 2009 › Research › peer-review

RHEED study of titanium dioxide with pulsed laser deposition
Research output: Contribution to journal › Conference article – Annual report year: 2009 › Research › peer-review

Sputtering of cryogenic films of hydrogen by keV ions: Thickness dependence and surface morphology
Research output: Contribution to journal › Conference article – Annual report year: 2009 › Research › peer-review

Structural and magnetic properties of Gd/Fe multilayers grown by pulsed laser deposition
Research output: Contribution to conference › Poster – Annual report year: 2009 › Research › peer-review

Transport properties of nanocrystalline gadolinia doped ceria films grown by pulsed laser deposition
Research output: Contribution to conference › Poster – Annual report year: 2009 › Research › peer-review

Design of optical reflectance signals for wear control by varying the thickness of thin films of Ti-compounds
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Desorption of cryogenic layers of the solid hydrogens by electron bombardment: The role of the metal substrate
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Fast print - universets mærkeligste stof
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Communication
Formation of plasma from pure and polymer-doped water ice during intense laser irradiation
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Fundamentals of laser-assisted fabrication of inorganic and organic films
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review

Growth of thin films of TiN on MgO(100) monitored by high-pressure RHEED
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Influence of the atomic mass of the background gas on laser ablation plume propagation
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Laser-induced plasma from pure and doped water-ice at high fluence by ultraviolet and infrared radiation - art. no. 70050X
Research output: Contribution to journal › Conference article – Annual report year: 2008 › Research › peer-review

Physical Aspects of the Pulsed Laser Deposition Technique: The Stoichiometric Transfer of Material from Target to Film
Research output: Contribution to conference › Paper – Annual report year: 2008 › Research

Physical aspects of the pulsed laser deposition technique: The stoichiometric transfer of material from target
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2008 › Research

Production and fragmentation of lysozyme films at 355 nm by pulsed laser deposition (PLD)
Research output: Contribution to conference › Poster – Annual report year: 2008 › Research

Production of thin protein films by direct laser irradiation (PLD) and laser irradiation in a water ice matrix (MAPLE)
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2008 › Research

Reflectance measured from worn and unworn surfaces of titanium compounds
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2008 › Research

RHEED study of titanium dioxide using pulsed laser deposition
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2008 › Research

RHEED Study of Titanium Dioxide Using Pulsed Laser Deposition
Research output: Contribution to conference › Poster – Annual report year: 2008 › Research

Sputtering of cryogenic films of hydrogen by keV ions: Thickness dependence and surface morphology
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2008 › Research

Thin films of proteins produced in a dry environment by laser irradiation
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2008 › Research
Thin films of proteins produced in a dry environment by laser irradiation
Research output: Contribution to conference › Paper – Annual report year: 2008 › Research

A RHEED study of thin films grown on MgO samples by pulsed laser deposition
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2007 › Research

A tribological study of titanium nitrides with synchrotron radiation
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2007 › Research

Characterization of lysozyme films produced by matrix assisted pulsed laser evaporation (MAPLE)
Research output: Contribution to journal › Conference article – Annual report year: 2007 › Research › peer-review

Characterization of yttria-stabilized zirconia thin films grown by pulsed laser deposition (PLD) on various substrates
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Deposition and fragmentation of protein films produced by MAPLE or PLD
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2007 › Research

Desorption of thin cryogenic layers by electron, ion and photon irradiation
Research output: Contribution to conference › Paper – Annual report year: 2007 › Research

Electron-induced desorption of layers of the solid hydrogens on a metal substrate: The question of the energy dissipation in the substrate
Research output: Contribution to conference › Paper – Annual report year: 2007 › Research

Formation of thin films of yttria-stabilized zirconia thin films grown by pulse laser deposition (PLD) on various substrates
Research output: Contribution to conference › Paper – Annual report year: 2007 › Research

Fundamentals of laser-assisted fabrication of inorganic and organic films
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2007 › Research

Growth dynamics of thin lysozyme films produced by matrix-assisted pulsed laser evaporation (MAPLE)
Research output: Contribution to conference › Paper – Annual report year: 2007 › Research

Growth of thin films of TiN on MgO(100) monitored by high pressure RHEED
Research output: Contribution to conference › Paper – Annual report year: 2007 › Research

High fluence deposition of polyethylene glycol films at 1064 nm by matrix assisted pulsed laser evaporation (MAPLE)
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Influence of the atomic mass of the background gas on laser ablation plume propagation
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2007 › Research

Large-area production of yttria-stabilized zirconia by pulsed laser deposition
Research output: Contribution to journal › Conference article – Annual report year: 2007 › Research › peer-review

Laser-induced plasma from pure and doped water-ice at high fluence
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2007 › Research

Laser irradiation of hard and volatile solids: from laser-produced plasmas to film deposition
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2007 › Research
Optical monitoring of abrasive wear of titanium compounds in tribological hard coatings
Research output: Contribution to conference › Paper – Annual report year: 2007 › Research

Optisk kontrol af tribologiske nanotyndfilm: En laserbaseret slittagesensor
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Communication

Plume dynamics
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2007 › Research › peer-review

Production of active lysozyme films by matrix assisted pulsed laser evaporation at 355 nm
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Slowing-down processes, energy deposition, sputtering and desorption in ion and electron interactions with solids
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2007 › Research

Surface morphology of thin lysozyme films produced by matrix-assisted pulsed laser evaporation (MAPLE)
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

The spatial thickness distribution of metal films produced by large area pulsed laser deposition
Research output: Contribution to journal › Journal article – Annual report year: 2007 › Research › peer-review

Thin films of proteins produced by laser irradiation of dry or frozen targets
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2006 › Research

Water ice as a matrix for film production by matrix assisted pulsed laser evaporation (MAPLE)
Research output: Contribution to journal › Conference article – Annual report year: 2007 › Research › peer-review

Deposition of polyethylene glycol films (PEG) by matrix assisted pulsed laser evaporation (MAPLE) using infrared light
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2006 › Research

Har Dansk Fysisk Selskab udspillet sin rolle?
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Communication

High fluence deposition of polyethylene glycol films at 1064 nm by matrix assisted pulsed laser evaporation (MAPLE)
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2006 › Research

High-quality protein films produced by Maple (Matrix assisted pulsed laser evaporation)
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2006 › Research

Ion, electron and photon interactions with solids: Energy deposition, sputtering and desorption
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2006 › Research

Large area metal films produced by pulsed laser deposition
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2006 › Research

Laser beam-solid interactions: Fundamental aspects
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2006 › Research › peer-review
Materialer, solceller og lys
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2006 › Research

Multiple-scattering effects in laser ablation plume propagation in gases
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Research › peer-review

Nonlinear effects in ion-beam science
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2006 › Research

Optical control of tribological nanofilms: A wear sensor
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2006 › Research

Particle emission from polymer-doped water ice matrices induced by non-linear absorption of laser light at 1064 nm
Research output: Contribution to journal › Journal article – Annual report year: 2006 › Research › peer-review

Plume propagation dynamics and multiple scattering effects during UV pulsed laser ablation in background gases
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2006 › Research

Protein films produced by Maple (Matrix assisted pulsed laser evaporation)
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2006 › Research

Surface morphology of polyethylene glycol films produced by matrix-assisted pulsed laser evaporation (MAPLE): Dependence on substrate temperature
Research output: Contribution to journal › Conference article – Annual report year: 2006 › Research › peer-review

Thickness determination of large-area films of yttria-stabilized zirconia produced by pulsed laser deposition
Research output: Contribution to journal › Conference article – Annual report year: 2006 › Research › peer-review

Wear control of tribological hard coatings with embedded optical nano-layers
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2006 › Research

Broadening and attenuation of UV laser ablation plumes in background gases
Research output: Contribution to journal › Conference article – Annual report year: 2005 › Research › peer-review

Electrical and structural properties of La0.8Sr0.2Mn0.5Co0.5O3±δ films produced by pulsed laser deposition
Research output: Contribution to journal › Conference article – Annual report year: 2005 › Research › peer-review

Fundamental features of UV laser ablation by ns-pulses
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2005 › Research

High laser-fluence deposition of organic materials in water ice matrices by "MAPLE"
Research output: Contribution to journal › Conference article – Annual report year: 2005 › Research › peer-review

Infrared matrix assisted pulsed laser evaporation of polymeric films (poster)
Research output: Contribution to conference › Poster – Annual report year: 2005 › Research

Ion, electron and photon interactions with solids: Sputtering and desorption (Invited lecture)
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2005 › Research
Large-scale production of yttria-stabilized zirconia by pulsed laser deposition
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2005 › Research

Large-scale pulsed laser deposition (poster)
Research output: Contribution to conference › Poster – Annual report year: 2005 › Research

Laser irradiation of polymer-doped cryogenic matrices
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

Surface structure of polyethylene glycol films produced by matrix assisted pulsed laser evaporation (MAPLE)
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2005 › Research

Thickness determination of large-area films of yttria-stabilized zirconia produced by pulsed laser ablation
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2005 › Research

Thin film-deposition of organic material from laser-irradiated water-ice matrices
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2005 › Research

Water ice as a matrix for film production by matrix-assisted pulsed laser evaporation (MAPLE)
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2005 › Research

Diagnostics of laser ablated plasma plumes
Research output: Contribution to journal › Journal article – Annual report year: 2004 › Research › peer-review

Conductive and protective properties of La0.8Sr0.2Mn0.5Co0.5O3 films produced by pulsed laser deposition
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2004 › Research

Deposition of organic materials from ice matrices by laser irradiation
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2004 › Research

Dynamics of a laser-produced silver plume in an oxygen background gas
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2004 › Research

Ejection of atoms and molecules from solid argon by keV light ion bombardment
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2004 › Research

Ejection of polymers from ice matrices induced by laser irradiation
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2004 › Research

Expansion of a laser-produced silver plume in light background gases
Research output: Contribution to journal › Journal article – Annual report year: 2004 › Research › peer-review

Fundamental interactions in laser irradiation of silver in low-pressure background gases
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2004 › Research

Fundamental interactions in pulsed laser deposition of metals
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2004 › Research

High laser-fluence deposition of organic materials in water ice matrices by "MAPLE"
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2004 › Research
Ions produced by laser-surface interactions
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2004 › Research

Langmuir probe measurements of silver plasma expanding in vacuum and argon atmosphere (poster)
Research output: Contribution to conference › Poster – Annual report year: 2004 › Research

Laser-induced ion emission during polymer deposition from a flash-frozen water ice matrix
Research output: Contribution to journal › Journal article – Annual report year: 2004 › Research › peer-review

Laser radiation of polymer-doped water ice matrices: From fundamental processes to polymer film deposition
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2004 › Research

Polymer film deposition and laser-plume interactions from laser irradiation of doped water ice
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2004 › Research

Pulsed laser deposition: From basic processes to film deposition
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2004 › Research

Pulsed laser deposition of aluminum-doped ZnO films at 355 nm
Research output: Contribution to journal › Journal article – Annual report year: 2004 › Research › peer-review

Pulsed laser deposition of thin films
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2004 › Research

The expansion of a laser-produced silver plume in background gases
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2004 › Research

Thermalization of a UV laser ablation plume in a background gas: From a directed to a diffusionlike flow
Research output: Contribution to journal › Journal article – Annual report year: 2004 › Research › peer-review

UV and RIR matrix assisted pulsed laser deposition of organic MEH-PPV films
Research output: Contribution to journal › Conference article – Annual report year: 2004 › Research › peer-review

A comparison of the laser plume from Cu and YBCO studied with ion probes
Research output: Contribution to journal › Journal article – Annual report year: 2003 › Research › peer-review

Deposition and characterization of aluminum-doped ZnO films produced by pulsed laser deposition
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2003 › Research

Diagnostics of laser ablated plasma plumes
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2003 › Research

Dynamics of the plume produced by nanosecond ultraviolet laser ablation of metals
Research output: Contribution to journal › Journal article – Annual report year: 2003 › Research › peer-review

Expansion of a laser-produced silver plume in light and heavy background gases
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2003 › Research

Laser ablation at 355 nm of organic materials embedded in matrices
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2003 › Research
Matrix assisted pulsed laser evaporation (MAPLE) of polyethylene glycol (PEG)
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2003 › Research

Plume dynamics of UV laser ablation of silver in vacuum with fs-pulses
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2003 › Research

Sputtering of water ice
Research output: Contribution to journal › Conference article – Annual report year: 2003 › Research › peer-review

The angular distribution of plume ions from fs-laser irradiation
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2003 › Research

A study on Matrix assisted pulsed laser deposition of organic MEH-PPV films (poster)
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2002 › Research

Deposition and characterization of ITO films produced by laser ablation at 355 nm
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

Energy requirements to cut plants with a CO2 laser
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2002 › Research

Evolution of the plasma parameters in the expanding laser ablation plume of silver
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

Ion dynamics in laser ablation plumes from selected metals at 355 nm
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

Laser ablation of living plants
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2002 › Research

Plume expansion of a laser-induced plasma studied with the particle-in-cell method
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

Polyethylene glycol thin film production by MAPLE (poster)
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2002 › Research

Preparations of targets for interaction of heavy ions with dense plasmas (poster)
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2002 › Research

Pure and Sn-doped ZnO films produced by pulsed laser deposition
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

Sputtering of isotopes of the solid hydrogens by ions
Research output: Contribution to journal › Journal article – Annual report year: 2002 › Research › peer-review

Thermalization of a laser produced silver plume in a background gas
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2002 › Research
Ablation from artificial or laser-induced crater surfaces of silver by laser irradiation at 355 nm
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review

Ablation from flat or crater surfaces of silver induced by laser irradiation at 355 nm
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1999 › Research

AZO - et nyt optisk materialer
Research output: Contribution to journal › Journal article – Annual report year: 1999 › Communication

Electrical and optical properties of thin indium tin oxide films produced by pulsed laser ablation in oxygen or rare gas atmospheres
Research output: Contribution to journal › Journal article – Annual report year: 1999 › Research

Gasflow and collision dynamics in a thermally laser ablated plume of silver atoms described by Monte Carlo simulations
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 1999 › Research

Holographic gratings induced in laser deposited AZO and ITO films
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1999 › Research

Ion time-of-flight study of laser ablation of silver in low pressure gases
Research output: Contribution to journal › Journal article – Annual report year: 1999 › Research

Langmuir probe study of plasma expansion in pulsed laser ablation
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review

Laser ablation at different angles of incidence
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 1999 › Research

Laser ablation from radiation-produced or artificial craters
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 1999 › Research

Monte Carlo description of gas flow from laser-evaporated silver
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review

Production of films of transparent semiconductors by laser ablation
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 1999 › Research

Pulsed laser deposition of transparent, conducting AZO and ITO films
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 1999 › Research

Sputtering by excitonic and elastic processes from solid neon by He ion bombardment
Research output: Contribution to journal › Journal article – Annual report year: 1999 › Research › peer-review

Transparent conducting AZO and ITO films produced by pulsed laser ablation at 355 nm
Research output: Contribution to journal › Journal article – Annual report year: 2000 › Research › peer-review
Ablation of volatile films by laser heating of substrates
Research output: Contribution to journal › Journal article – Annual report year: 1998 › Research › peer-review

Angular energy distributions of laser ablated silver ions in vacuum
Research output: Contribution to journal › Journal article – Annual report year: 1998 › Research

Angular distributions of emitted particles by laser ablation of silver at 355 nm
Research output: Contribution to journal › Journal article – Annual report year: 1998 › Research › peer-review

A study on indium tin oxide films produced by laser ablation in different background gases
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 1998 › Research

Background gas effects on deposition of ITO films by pulsed laser deposition
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 1998 › Research

Electron temperatures of laser-induced plasmas
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1998 › Research

Laser ablation of silver in a background gas
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1998 › Research

Production of thin films of ITO by laser ablation
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1998 › Research

Pulsed laser deposition of ITO in different background gases
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1998 › Research

Sputtering of Surfaces of the Solid Hydrogens
Research output: Contribution to journal › Conference article – Annual report year: 1998 › Research › peer-review

Use of image-processing tools for texture analysis of high-energy X-ray synchrotron data
Research output: Contribution to journal › Journal article – Annual report year: 1998 › Research › peer-review

Ablation of solids by pulsed UV-lasers
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1997 › Research

Ablation of volatile films from multilayer systems by laser heating of substrates
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 1997 › Research

Angular distribution and total yield of laser ablated silver
Research output: Contribution to journal › Journal article – Annual report year: 1997 › Research › peer-review

Angular distributions and total yield of laser ablated silver
Research output: Contribution to journal › Journal article – Annual report year: 1997 › Research › peer-review

Angular distributions of ions and neutrals from laser ablated silver
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1997 › Research
Angular distributions of ions from laser irradiated silver
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 1997 › Research

Angular distributions of silver ions and neutrals emitted in vacuum by laser ablation
Research output: Contribution to journal › Journal article – Annual report year: 1997 › Research › peer-review

Research output: Contribution to journal › Journal article – Annual report year: 1997 › Research › peer-review

Ejection of molecules from solid deuterium excited by keV electrons
Research output: Contribution to journal › Journal article – Annual report year: 1997 › Research

Electronic sputtering of quantum solids: Solid deuterium bombarded by keV electrons
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 1997 › Research

Electronic sputtering of quantum solids: Solid Deuterium bombarded by keV electrons
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1997 › Research

Electronic sputtering of quantum solids: Solid deuterium bombarded by keV electrons
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1997 › Research

Electron temperatures of laser-induced plasmas
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1997 › Research

Kinetic energy distributions of atoms sputtered from electron-excited solid neon
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1997 › Research

Laser ablation: bestråling af overflade med ekstrem høj lysintensitet
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1997 › Research

Laser ablation of silver studied by angular-resolved ion probe measurements
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1997 › Research

Laser ablation of silver in a background gas
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1997 › Research

Lattice dynamics during electronic sputtering of solid Ne
Research output: Contribution to journal › Conference article – Annual report year: 1997 › Research › peer-review

Open questions in fundamental processes of laser ablation from surfaces
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1997 › Research

Resistivity measurements of ITO thin films deposited by laser ablation
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 1997 › Research

Sputtering of insulators
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1997 › Research

Sputtering of quantum solids: A study on solid deuterium
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1997 › Research
Sputtering of quantum solids by electrons - a study on solid deuterium
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1997 › Research

Sputtering of surfaces of the solid hydrogens by electron and ions
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1997 › Research

Ablation from metals induced by visible and UV laser irradiation
Research output: Contribution to journal › Conference article – Annual report year: 1996 › Research › peer-review

Angular resolved ablation from silver induced by intense UV laser irradiation
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1996 › Research

Angular resolved UV laser ablation from silver
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1996 › Research

Electron emission from solids
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 1996 › Research

Electronic sputtering
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1996 › Research

Electronic sputtering and charge accumulation in thick deuterium films
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1996 › Research

Holographic gratings induced in laser ablated thin films of indium tin oxide
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 1996 › Research

Laser ablation deposition measurements from silver and nickel
Research output: Contribution to journal › Journal article – Annual report year: 1996 › Research › peer-review

Laser induced evaporation of volatile films from a multicomponent system
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1996 › Research

Lattice dynamics during electronic sputtering of solid Ne
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1996 › Research

Linear and nonlinear effects at low energy ion bombardment of solid xenon
Research output: Contribution to journal › Conference article – Annual report year: 1996 › Research › peer-review

Molecular-dynamics simulation of ejection processes in electronically excited solid Ne
Research output: Contribution to journal › Journal article – Annual report year: 1996 › Research › peer-review

Secondary electrons from heavy-ion tracks
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1996 › Research

Secondary electron spectra from charged particle interactions
Research output: Book/Report › Book – Annual report year: 1996 › Research › peer-review
Thin films of ITO produced by pulsed laser deposition
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1996 › Research

Ablation from metals induced by visible and UV laser irradiation
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1995 › Research

Ablation of silver and nickel induced by visible and UV laser irradiation
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 1995 › Research

A multipurpose cluster ion source
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1995 › Research

Laser-induced evaporation of metals studied by numerical methods
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1995 › Research

Linear and nonlinear effects at low energy ion bombardment of solid xenon
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1995 › Research

Particle dynamics during electronic sputtering of solid krypton
Research output: Contribution to journal › Conference article – Annual report year: 1995 › Research › peer-review

Particle emission induced by ionization tracks in water ice
Research output: Contribution to journal › Journal article – Annual report year: 1995 › Research › peer-review

Secondary electron emission from solids
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1995 › Research

Secondary electron emission from solids: Fundamental aspects
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1995 › Research

Secondary electrons from solids
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1995 › Research

Secondary particle emission from water ice irradiated by photons and charged particles
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1995 › Research

Setup for pulsed laser deposition of thin ITO films
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 1995 › Research

Sputtering of the most volatile solids: The solid hydrogens
Research output: Contribution to journal › Journal article – Annual report year: 1995 › Research › peer-review

Sputtering of thin and intermediate thick films of solid deuterium by keV electrons
Research output: Contribution to journal › Conference article – Annual report year: 1995 › Research › peer-review

Sputtering of water ice surfaces and the production of extended neutral atmospheres
Research output: Contribution to journal › Journal article – Annual report year: 1996 › Research › peer-review
Transition from linear to nonlinear sputtering of solid xenon  
Research output: Contribution to journal › Journal article – Annual report year: 1995 › Research › peer-review

Dynamics of rigid bodies  
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1994 › Research

Erosion of solid deuterium of various film thicknesses by keV electrons  
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1994 › Research

Ion-surface scattering  
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1994 › Research

Laser ablation from metallic targets  
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1994 › Research

Laser ablation from metals  
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1994 › Research

Laser ablation from silver targets  
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1994 › Research

Laser-induced evaporation yields of metallic systems evaluated by numerical methods  
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1994 › Research

Particle dynamics during electronic sputtering of solid krypton  
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1994 › Research

Plasmon-assisted electron emission from Al and Mg surfaces  
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1994 › Research

Satellite and ring atmospheres produced by ion, electron and photo-sputtering of icy satellites and ring particles: Laboratory measurements  
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1994 › Research

Sputtering by excimer production from solid krypton  
Research output: Contribution to journal › Journal article – Annual report year: 1994 › Research › peer-review

Sputtering of frozen gases by ion and electron bombardment  
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1994 › Research › peer-review

Sputtering of solid nitrogen and oxygen by keV hydrogen ions  
Research output: Contribution to journal › Journal article – Annual report year: 1994 › Research › peer-review

Sputtering of Thick Deuterium Films by KeV Electrons  
Research output: Contribution to journal › Journal article – Annual report year: 1994 › Research › peer-review

Sputtering of thin and intermediately thick films of solid deuterium by keV electrons  
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1994 › Research
Sputtering of solid neon and argon by medium mass ions
Research output: Contribution to journal › Journal article – Annual report year: 1992 › Research › peer-review

Sputtering of solid nitrogen by keV helium ions
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 1992 › Research

Sputtering of thick nitrogen and oxygen films by keV hydrogen ions
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 1992 › Research

Sputtering yields and energy distributions from nonoverlapping subspeaks in ion bombarded volatile solids
Research output: Contribution to journal › Journal article – Annual report year: 1992 › Research › peer-review

Erosion of Volatile Elemental Condensed Gases by keV Electron and Light-Ion Bombardment
Research output: Book/Report › Report – Annual report year: 1991 › Research

Fundamental electron and ion beam interactions with solids for microscopy, microanalysis and microlithography
Research output: Book/Report › Book – Annual report year: 1991 › Research › peer-review

Radiation in the wavelength range 120-900 nm from keV electron bombardment of solid hydrogens
Research output: Contribution to journal › Journal article – Annual report year: 1991 › Research

Sputtering of frozen gases by molecular hydrogen ions
Research output: Contribution to journal › Journal article – Annual report year: 1991 › Research › peer-review

Sputtering of solid hydrogenic targets by keV hydrogen ions
Research output: Contribution to journal › Journal article – Annual report year: 1991 › Research

Sputtering of volatile solids from nonoverlapping subspeaks
Research output: Contribution to journal › Journal article – Annual report year: 1990 › Research › peer-review

Thickness dependence of the sputtering yield from solid deuterium by light keV ions
Research output: Contribution to journal › Journal article – Annual report year: 1990 › Research › peer-review

Energy Deposition of keV Electrons in Light Elements
Research output: Contribution to journal › Journal article – Annual report year: 1989 › Research › peer-review

Energy Distributions from Electron-Sputtered Solid Nitrogen
Research output: Contribution to journal › Journal article – Annual report year: 1989 › Research › peer-review

Erosion and Luminescence from Pure and Impure Solid Deuterium
Research output: Contribution to journal › Journal article – Annual report year: 1989 › Research › peer-review

Ion Energy Dissipation and Sputtering during Bombardment of Multicomponent Materials
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1989 › Research › peer-review

Observation of Fluorescence from Heavy Rare-gas Hydrides and Deuterides in Electron-Irradiated Matrices of Solid Hydrogen and Deuterium
Research output: Contribution to journal › Journal article – Annual report year: 1989 › Research › peer-review
Secondary Electron Emission: Progress and Prospects
Research output: Contribution to journal › Journal article – Annual report year: 1989 › Research › peer-review

Electronic and Knock-on Sputtering of Solid Rare Gases by Light keV Ions
Research output: Contribution to journal › Journal article – Annual report year: 1988 › Research › peer-review

Erosion of Rare Gas Solids by Electron Bombardment
Research output: Contribution to journal › Journal article – Annual report year: 1988 › Research › peer-review

Range and Stopping Power of keV Electrons in the Solid Hydrogens
Research output: Contribution to journal › Journal article – Annual report year: 1988 › Research › peer-review

Secondary-Electron Emission from Solids by Electron and Proton-Bombardment
Research output: Contribution to journal › Journal article – Annual report year: 1988 › Research › peer-review

Electronic Sputtering of Solid Argon and Krypton by keV Hydrogen Ions
Research output: Contribution to journal › Journal article – Annual report year: 1987 › Research › peer-review

Sputtering of Frozen Gases
Research output: Contribution to journal › Journal article – Annual report year: 1987 › Research › peer-review

Electronic sputtering of solid nitrogen and oxygen by keV electrons
Research output: Contribution to journal › Journal article – Annual report year: 1986 › Research › peer-review

Erosion of solid neon by keV electrons
Research output: Contribution to journal › Journal article – Annual report year: 1986 › Research › peer-review

Sputtering of solid neon by keV hydrogen ions
Research output: Contribution to journal › Journal article – Annual report year: 1986 › Research › peer-review

The Erosion of Condensed Gases by keV Electron Bombardment
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1985 › Research › peer-review

The Range of 1-3 keV Electrons in Solid Oxygen and Carbon Monoxide.
Research output: Contribution to journal › Journal article – Annual report year: 1985 › Research › peer-review

Range Measurements of keV Hydrogen Ions in Solid Oxygen and Carbon Monoxide
Research output: Contribution to journal › Journal article – Annual report year: 1984 › Research › peer-review

The Measurement of Electron-Induced Erosion of Condensed Gases: Experimental Methods
Research output: Contribution to journal › Journal article – Annual report year: 1984 › Research › peer-review

Festkörperanalysen Mittels Nachionisation Zerstäubter Neutralteilchen
Research output: Contribution to journal › Journal article – Annual report year: 1983 › Research › peer-review

Secondary electron emission from solid HD and a solid H2-D2 mixture
Research output: Contribution to journal › Journal article – Annual report year: 1983 › Research › peer-review

Charged Particle Erosion of Solid Rare Gases and Dilute Rare Gas Alloys
Research output: Contribution to journal › Journal article – Annual report year: 1982 › Research › peer-review
On the Emission of Electrons from Solid H\textsubscript{2} and D\textsubscript{2} by Bombardment with 1-3 keV Electrons up to Very Large Angles of Incidence
Research output: Contribution to journal › Journal article – Annual report year: 1982 › Research › peer-review

Probe Measurements of the Impurity Flux at the Plasma Edge of the Stellerator Wiendelstein VII A
Research output: Contribution to journal › Journal article – Annual report year: 1982 › Research › peer-review

Sputtered Clusters from Niobium-Vanadium Alloys
Research output: Contribution to journal › Journal article – Annual report year: 1982 › Research › peer-review

Comments to transport theory for secondary electron emission
Research output: Book/Report › Report – Annual report year: 1980 › Research

Erosion of Thin Films of D\textsubscript{2} by keV Light Ions
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 1980 › Research

Ion-Induced Emission of Charged Particles from Solid Hydrogen and Deuterium
Research output: Contribution to journal › Journal article – Annual report year: 1980 › Research › peer-review

Transport Theory for Kinetic Emission of Secondary Electrons from Solids
Research output: Contribution to journal › Journal article – Annual report year: 1980 › Research › peer-review

Direct and Recoil-Induced Electron Emission from Ion-Bombarded Solids
Research output: Contribution to journal › Journal article – Annual report year: 1979 › Research › peer-review

Studies on keV and eV electrons in solids
Research output: Book/Report › Report – Annual report year: 1979 › Research

Energy Reflection Coefficients for 5-10 keV He Ions Incident on Au, Ag, and Cu
Research output: Contribution to journal › Journal article – Annual report year: 1978 › Research › peer-review

Interaction between Solid Nitrogen and 1-3-keV Electrons
Research output: Contribution to journal › Journal article – Annual report year: 1978 › Research › peer-review

On Secondary Electron Emission from Solid H\textsubscript{2} and D\textsubscript{2}
Research output: Contribution to journal › Journal article – Annual report year: 1978 › Research › peer-review

Penetration Depth of 0.5-3-keV Electrons in Solid Hydrogen and Deuterium
Research output: Contribution to journal › Journal article – Annual report year: 1978 › Research › peer-review

Projects:

New thin solar cell films makes silicon cells better
Project: PhD

New thin solar cell films makes silicon cells better
Project: PhD
Compressed sensing for material characterization and simulation
Project: PhD

Reagentless dissolved Oxygen-sensor for Microfluidic Applications (water/blood analysis)
Project: PhD

Fabrication and Characterization of Mixed Ionic Electronic Conducting Thin Films for Use in Solid Oxide Fuel Cells
Project: PhD

Thin-film Deposition and Characterization of new Solar Cell Materials
Project: PhD

Thin-film deposition and characterization of new solar cell materials
Project: PhD

Thin-film deposition an characterization of new solar cell materials
Project: PhD

New technology for fast localization and characterization of faults in solar cell systems
Project: Research

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Project: Research

Large area pulsed laser deposition (PLD)
Project: Research

Wear Control : Wear control of tribological hard coatings with embedded optical nanolayers
Project: Research

Activities:

Assessment of the photovoltaic properties of CZTS grown on representative Si solar cell structures for monolithic CZTS/Si tandem applications
Activity: Talks and presentations › Conference presentations

Development of CZTS absorbers by sputter deposition for application in CZTS/Si tandem photovoltaics: The Copper problem
Activity: Talks and presentations › Conference presentations

Advanced Concepts in Photovoltaics
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Pulsed laser deposition (PLD) of the CZTS absorber for thin solar cells with up to 5.2-% -efficiency
Activity: Talks and presentations › Conference presentations

EMRS Spring meeting 2017
Activity: Attending an event › Participating in or organising a conference

High-energy deposition methods for CZTS and CTS solar cells
Activity: Talks and presentations › Conference presentations
Materials Research Society Spring Meeting 2017
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

Compression of dry lysozyme targets: A new parameter in protein thin film production by PLD
Activity: Talks and presentations › Conference presentations

Annual Meeting of the Danish Physical Society
Activity: Attending an event › Participating in or organising a conference

Annual Meeting of the Danish Physical Society
Activity: Attending an event › Participating in or organising a conference

Lys revolutionerer fysikken såvel som vores dagligdag
Activity: Talks and presentations › Conference presentations

Laserens vej fra specialfysik til dagligdag: -
Activity: Talks and presentations › Conference presentations

Sputtering of solid deuterium below 3 K by keV electrons: An extreme case of electronic sputtering at low temperature..
Activity: Talks and presentations › Conference presentations

Lys der har ændret vores verdensbillede og vort dagligliv
Activity: Talks and presentations › Conference presentations

Morphology of Copper Tin Sulfide Films Grown by Pulsed Laser Deposition at 248 and 355 nm
Activity: Talks and presentations › Conference presentations

CZTS a new environmentallyfriendly material for thin film solar cells
Activity: Talks and presentations › Conference presentations

2014 MRS Spring Meeting
Activity: Attending an event › Participating in or organising a conference

Laseren - de første 50 år: -
Activity: Talks and presentations › Conference presentations

10th International Conference on Cryocrystals and Quantum Crystals (invited) (CC-2014)
Activity: Talks and presentations › Conference presentations

Pulsed laser deposition (PLD) of dielectrics – is femtosecond laser ablation better than nanosecond ablation? (Invited Talk)
Activity: Talks and presentations › Conference presentations

Investigating the fragmentation of C60 by Matrix Assisted Pulsed Laser Evaporation
Activity: Talks and presentations › Conference presentations
International High-Power Laser Ablation Conference (HPLA): [invited]
Activity: Talks and presentations › Conference presentations

NanoDay at DTU: nm-thin films produced by pulsed laser deposition - a direction for new materials
Activity: Talks and presentations › Conference presentations

10th International Conference on Laser Ablation
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

International Conference on Laser Ablation (COLA); 10: energetics of laser ablation plume expanding in a background gas
Activity: Talks and presentations › Conference presentations

2010 FONDECYT - National Research Funding Competition (FONDECYT) (Journal)
Activity: Editorial work and peer review › Peer review of manuscripts › Research

Den Nordiske Konference for de fysiske selskaber
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

The Twelfth International Workshop on Desorption Induced by Electronic Transitions (DIETXII); 12
Activity: Talks and presentations › Conference presentations