4D Study of Grain Growth in Armco Iron Using Laboratory X-ray Diffraction Contrast Tomography: Paper
Publication: Research - peer-review › Conference article – Annual report year: 2017

A method to characterize the roughness of 2-D line features: recrystallization boundaries
Publication: Research - peer-review › Journal article – Annual report year: 2016

Analysis of bearing steel exposed to rolling contact fatigue
Publication: Research - peer-review › Journal article – Annual report year: 2017

Boundary migration in a 3D deformed microstructure inside an opaque sample
Publication: Research - peer-review › Journal article – Annual report year: 2017

Direct observation of nucleation in the bulk of an opaque sample
Publication: Research - peer-review › Journal article – Annual report year: 2017

Fabricating interstitial-free steel with simultaneous high strength and good ductility with homogeneous layer and lamella structure
Publication: Research - peer-review › Journal article – Annual report year: 2017

Publication: Research - peer-review › Book – Annual report year: 2017

Quantification of deformation microstructure at ultra-low tensile strain in pure Al prepared by spark plasma sintering
Publication: Research - peer-review › Conference article – Annual report year: 2017

Roughness of grain boundaries in partly recrystallized aluminum
Publication: Research - peer-review › Journal article – Annual report year: 2016

Synchrotron X-ray measurement of residual strain within the nose of a worn manganese steel railway crossing
Publication: Research - peer-review › Journal article – Annual report year: 2017

Ultra-low-angle boundary networks within recrystallizing grains
Publication: Research - peer-review › Journal article – Annual report year: 2017
3D Characterization of Recrystallization Boundaries

Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Crystallographic Analysis of Nucleation at Hardness Indentations in High-Purity Aluminum

Publication: Research - peer-review › Journal article – Annual report year: 2016

Microstructural Analysis of Orientation-Dependent Recovery and Recrystallization in a Modified 9Cr-1Mo Steel Deformed by Compression at a High Strain Rate

Publication: Research - peer-review › Journal article – Annual report year: 2016

Nucleation of recrystallization at selected sites in deformed fcc metals

Publication: Research › Ph.D. thesis – Annual report year: 2017

Perspectives on Materials Science in 3D

Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Quantitative Characterization of Boundary Roughness in Metals

Publication: Research › Ph.D. thesis – Annual report year: 2017

A phase-field simulation study of irregular grain boundary migration during recrystallization

Publication: Research - peer-review › Conference article – Annual report year: 2015

Boundary Fractal Analysis of Two Cube-oriented Grains in Partly Recrystallized Copper

Publication: Research - peer-review › Conference article – Annual report year: 2015

Boundary migration during recrystallization: experimental observations

Publication: Research - peer-review › Conference article – Annual report year: 2015

Characterization of boundary roughness of two cube grains in partly recrystallized copper

Publication: Research - peer-review › Conference article – Annual report year: 2015

Dark field X-ray microscopy for studies of recrystallization

Publication: Research - peer-review › Conference article – Annual report year: 2015

Effects of structural heterogeneity of nanostructured copper on the evolution of the sizes of recrystallized grains during annealing

Publication: Research - peer-review › Conference article – Annual report year: 2015

Evolution of microstructure and texture during recovery and recrystallization in heavily rolled aluminum

Publication: Research - peer-review › Conference article – Annual report year: 2015

In-situ observations of nucleation in Al-0.1Mg

Publication: Research - peer-review › Conference article – Annual report year: 2015

Kinetics of individual grains during recrystallization of cold-rolled copper

Publication: Research - peer-review › Conference article – Annual report year: 2015

Local strain distributions in partially recrystallized copper determined by in situ tensile investigation

Publication: Research - peer-review › Conference article – Annual report year: 2015
Nucleation at hardness indentations in cold rolled Al
Publication: Research - peer-review › Conference article – Annual report year: 2015

Orientations of recrystallization nuclei developed in columnar-grained Ni at triple junctions
Publication: Research - peer-review › Conference article – Annual report year: 2015

Supercube grains leading to a strong cube texture and a broad grain size distribution after recrystallization
Publication: Research - peer-review › Journal article – Annual report year: 2015

Thermal stability of a highly-deformed warm-rolled tungsten plate in the temperature range 1100 °C to 1250 °C
Publication: Research - peer-review › Journal article – Annual report year: 2015

Thermal stability of warm-rolled tungsten
Publication: Research › Ph.D. thesis – Annual report year: 2015

3D -Ray Diffraction Microscopy
Publication: Research - peer-review › Book chapter – Annual report year: 2015

Comparative characterization of Cu–Ni substrates for coated conductors
Publication: Research - peer-review › Journal article – Annual report year: 2014

Direct observation of grain boundary migration during recrystallization within the bulk of a moderately deformed aluminium single crystal
Publication: Research - peer-review › Journal article – Annual report year: 2014

Effects of heterogeneity on recrystallization kinetics of nanocrystalline copper prepared by dynamic plastic deformation
Publication: Research - peer-review › Journal article – Annual report year: 2014

Fatigue damage of steel components
Publication: Communication › Report chapter – Annual report year: 2014

In-Situ Investigation of Local Boundary Migration During Recrystallization
Publication: Research - peer-review › Journal article – Annual report year: 2014

Microstructural investigation of the recrystallization of warm-rolled tungsten
Publication: Research - peer-review › Conference article – Annual report year: 2014

New Frontiers of Nanometals. Proceedings of the 35th Risø International Symposium on Materials Science
Publication: Research - peer-review › Book – Annual report year: 2014

Oriented growth during recrystallization revisited in three dimensions
Publication: Research - peer-review › Journal article – Annual report year: 2014

Partially recrystallized microstructures of cold-rolled copper and mechanical properties
Publication: Research - peer-review › Conference article – Annual report year: 2014

Recrystallization kinetics of warm-rolled tungsten in the temperature range 1150-1350 °C
Publication: Research - peer-review › Conference article – Annual report year: 2014

4D Characterization of Metal Microstructures
Publication: Research - peer-review › Book chapter – Annual report year: 2013
Annealing behaviour of a nanostructured Cu–45 at.%Ni alloy
Publication: Research - peer-review › Journal article – Annual report year: 2013

Danish Chinese Center for Nanometals - Annual report 2012
Publication: Communication › Report – Annual report year: 2013

Effects of widening during rolling on the subsequent recrystallization kinetics of copper
Publication: Research - peer-review › Conference article – Annual report year: 2013

Importance of Local Structural Variations on Recrystallization
Publication: Research - peer-review › Conference article – Annual report year: 2013

Kinetics of thermal grooving during low temperature recrystallization of pure aluminum
Publication: Research - peer-review › Conference article – Annual report year: 2013

Phase-field simulation study of the migration of recrystallization boundaries
Publication: Research - peer-review › Journal article – Annual report year: 2013

Recovery and recrystallization in commercial purity aluminum cold rolled to an ultrahigh strain
Publication: Research - peer-review › Journal article – Annual report year: 2013

Recrystallization of deformed copper - kinetics and microstructural evolution
Publication: Research › Ph.D. thesis – Annual report year: 2013

Studier af rekrystatation med 3DXRD
Publication: Research › Sound/Visual production (digital) – Annual report year: 2013

Very strong nanometals and nanostructured surfaces
Publication: Research › Sound/Visual production (digital) – Annual report year: 2013

3D studies of coarsening kinetics of individual grains
Publication: Research › Ph.D. thesis – Annual report year: 2012

Boundary migration during recrystallization of heavily deformed pure nickel
Publication: Research - peer-review › Conference article – Annual report year: 2012

Characterization of nanometals
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2013

Danish Chinese Center for Nanometals - Annual report 2011
Publication: Communication › Report – Annual report year: 2012

Effects of Initial Parameters on the Development of Cube Texture during Recrystallization of Copper
Publication: Research - peer-review › Conference article – Annual report year: 2011

In-situ measurement of annealing kinetics of individual bulk grains in nanostructured aluminium
Publication: Research - peer-review › Journal article – Annual report year: 2012

Nanometals - Status and Perspective: Proceedings of the 33rd Risø International Symposium on Materials Science
Publication: Research - peer-review › Book – Annual report year: 2012
New 3DXRD results on recrystallization and grain growth
Publication: Research - peer-review › Conference article – Annual report year: 2012

Orientation changes during annealing of nanostructured aluminium
Publication: Research - peer-review › Conference article – Annual report year: 2012

Recrystallization kinetics of nanostructured copper processed by dynamic plastic deformation
Publication: Research - peer-review › Conference article – Annual report year: 2012

The influence of strain on annealing behaviour of heavily rolled aluminium AA1050
Publication: Research - peer-review › Conference article – Annual report year: 2012

The three dimensional X-ray diffraction technique
Publication: Research - peer-review › Journal article – Annual report year: 2012

Three-dimensional investigation of recrystallization nucleation in a particle-containing Al alloy
Publication: Research - peer-review › Journal article – Annual report year: 2012

Analysis of Orientation Relations Between Deformed Grains and Recrystallization Nuclei
Publication: Research - peer-review › Journal article – Annual report year: 2010

Publication: Research - peer-review › Book – Annual report year: 2011

Deformed metals - structure, recrystallisation and strength
Publication: Research - peer-review › Journal article – Annual report year: 2011

Evolution of orientations and deformation structures within individual grains in cold rolled columnar grained nickel
Publication: Research - peer-review › Journal article – Annual report year: 2011

In situ measurements of growth rates and grain-averaged activation energies of individual grains during recrystallization of 50% cold-rolled aluminium
Publication: Research - peer-review › Journal article – Annual report year: 2011

In situ observation of boundary migration during recrystallization of pure aluminum cold-rolled to high strain
Publication: Research › Poster – Annual report year: 2011

Local boundary migration during recrystallization in pure aluminium
Publication: Research - peer-review › Journal article – Annual report year: 2010

Recrystallization kinetics
Publication: Research › Conference abstract for conference – Annual report year: 2011

Recrystallization kinetics of 90% cold rolled copper with different initial grain sizes
Publication: Research › Conference abstract for conference – Annual report year: 2011

The influence of strain on annealing behaviour of heavily rolled aluminium AA1050
Publication: Research › Conference abstract for conference – Annual report year: 2011
Towards an integrated materials characterization toolbox
Publication: Research - peer-review › Journal article – Annual report year: 2011

3D EBSD characterization of deformation structures in commercial purity aluminum
Publication: Research - peer-review › Journal article – Annual report year: 2010

Alignment of serial sections for 3D microstructural characterization of cold rolled aluminum by EBSD
Publication: Research - peer-review › Conference article – Annual report year: 2010

Challenges in materials science and possibilities in 3D and 4D characterization techniques. Proceedings of the 31st Risø International Symposium on Materials Science
Publication: Research - peer-review › Book – Annual report year: 2010

Evolution of Microstructure and Texture during Annealing of Aluminum AA1050 Cold Rolled to High and Ultrahigh Strains
Publication: Research - peer-review › Journal article – Annual report year: 2010

In-situ observations of migration of recrystallization boundaries in pure aluminium
Publication: Research - peer-review › Conference article – Annual report year: 2010

Monitoring grain boundary migration during recrystallisation using topotomography
Publication: Research - peer-review › Conference article – Annual report year: 2010

Nanometaller
Publication: Communication › Journal article – Annual report year: 2010

Nanometaller bøjer naturens love
Publication: Communication › Internet publication – Annual report year: 2010

Recrystallization in 3D and 4D
Publication: Research - peer-review › Conference article – Annual report year: 2010

Recrystallization kinetics of 50% cold-rolled aluminum
Publication: Research - peer-review › Conference article – Annual report year: 2010

3DXRD Characterization and Modelling of Recrystallization
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2009

Analysis of Deformation Structures in FCC Materials Using EBSD and TEM Techniques
Publication: Research - peer-review › Book chapter – Annual report year: 2009

Analysis of the growth of individual grains during recrystallization in pure nickel
Publication: Research - peer-review › Journal article – Annual report year: 2009

Direct non-destructive observation of bulk nucleation in 30% deformed aluminum
Publication: Research - peer-review › Journal article – Annual report year: 2009

DXRD and Its Applications Leading to New Modelling
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Effects of clustered nucleation on recrystallization
Publication: Research - peer-review › Journal article – Annual report year: 2009
Effects of strain on recrystallization of nickel metals and nanometals produced by heavy cold rolling
Publication: Research - peer-review › Conference article – Annual report year: 2009

Measurements of the Curvature of Protrusions/Retrusions on Migrating Recrystallization Boundaries
Publication: Research - peer-review › Journal article – Annual report year: 2009

Microstructural path model and strain dependence of recrystallisation in commercial aluminium
Publication: Research - peer-review › Journal article – Annual report year: 2009

Nanostructured metals: Fundamentals to applications: Proceedings of the 30th Risø International Symposium on Materials Science
Publication: Research - peer-review › Book – Annual report year: 2009

Time Evolution in 3D Metal Microstructures-Recrystallization
Publication: Research - peer-review › Journal article – Annual report year: 2009

3DXRD characterization and modeling of solid-state transformation processes
Publication: Research - peer-review › Journal article – Annual report year: 2008

Automatic determination of recrystallization parameters based on EBSD mapping
Publication: Research - peer-review › Journal article – Annual report year: 2008

Cube texture in heavily cold rolled pure nickel
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

Direct observation of 3-D grain growth in Al-0.1% Mn
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

Publication: Research - peer-review › Book – Annual report year: 2008

Experimental quantification of nucleation
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

Molecular dynamics simulations of grain boundary migration during recrystallization employing tilt and twist dislocation boundaries to provide the driving pressure
Publication: Research - peer-review › Journal article – Annual report year: 2008

Neutron and synchrotron X-ray studies of recrystallization kinetics
Publication: Research - peer-review › Conference article – Annual report year: 2008

Structural parameters and annealing behaviour of heavily rolled aluminium
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

Three-dimensional geometric simulations of random anisotropic growth during transformation phenomena
Publication: Research - peer-review › Journal article – Annual report year: 2007

3D spatial distribution of nuclei in 90 % cold rolled aluminium
Publication: Research - peer-review › Conference article – Annual report year: 2007
Development of the cube texture at low annealing temperatures in highly rolled pure nickel
Publication: Research › Article in proceedings – Annual report year: 2007

Effect of annealing temperature on recrystallisation in Al (AA1200) cold rolled to a true strain of 4
Publication: Research › Conference article – Annual report year: 2007

Effects of distributions of growth rates on recrystallization kinetics and microstructure
Publication: Research › Journal article – Annual report year: 2007

Mapping partially recrystallised structures by 3DXRD
Publication: Research › Conference article – Annual report year: 2007

Microstructural-based measurement of local stored energy variations in deformed metals
Publication: Research › Journal article – Annual report year: 2007

Misorientation aspects of growth during recrystallisation
Publication: Research › Conference article – Annual report year: 2007

Orientations of recrystallization nuclei developed in columnar-grained Ni at triple junctions and a high-angle grain boundary
Publication: Research › Journal article – Annual report year: 2007

Simulation of recrystallization using molecular dynamics; Effects of the interatomic potential
Publication: Research › Conference article – Annual report year: 2007

Simulations of boundary migration during recrystallization using molecular dynamics
Publication: Research › Journal article – Annual report year: 2007

Three dimensional characterization of grain structures by EBSP and 3DXRD
Publication: Research › Conference article – Annual report year: 2007

Analytical expression for the evolution of interfacial area density between transformed grains during nucleation and growth transformations
Publication: Research › Journal article – Annual report year: 2006

Nondestructive approaches for 3-D materials characterization
Publication: Research › Journal article – Annual report year: 2006

Non-destructive characterization of recrystallization kinetics using three-dimensional X-ray diffraction microscopy
Publication: Research › Journal article – Annual report year: 2006

Recrystallization of AA1050 studied by 3DXRD
Publication: Research › Conference article – Annual report year: 2006

X-ray microscopy in four dimensions
Publication: Research › Journal article – Annual report year: 2006
Deformation strain inhomogeneity in columnar grain nickel
Publication: Research › Journal article – Annual report year: 2005

Local orientation measurements in 3D
Publication: Research › Conference article – Annual report year: 2005

Metal structures in four dimensions
Publication: Research › Journal article – Annual report year: 2005

Nucleation of recrystallization observed in situ in the bulk of a deformed metal
Publication: Research › Journal article – Annual report year: 2005

Orientation correlations in metal structures from the micrometer to nanometer range
Publication: Research › Conference article – Annual report year: 2004

Orientation of recrystallization nuclei studied by 3DXRD
Publication: Research › Conference article – Annual report year: 2005

Recrystallisation kinetics: From statics to dynamics and from 2D to 3D
Publication: Research › Journal article – Annual report year: 2005

Recrystallisation kinetics of aluminium AA1200 cold rolled to true strain of 2
Publication: Research › Journal article – Annual report year: 2005

The orientations of nuclei at triple junctions in deformed columnar grain Ni
Publication: Research › Conference article – Annual report year: 2005

Towards atomic level simulations of recrystallisation - setting up suitable geometry
Publication: Research › Journal article – Annual report year: 2005

A method for in-situ measurements of the growth in the bulk of deformed single crystals at the 3DXRD microscope
Publication: Research › Article in proceedings – Annual report year: 2004

Effects on nuclei clustering on recrystallization kinetics
Publication: Research › Conference article – Annual report year: 2004

Evolution of deformation microstructures in 3D. Proceedings
Publication: Research › Book – Annual report year: 2004

Evolution of Mechanical and Microstructural Properties of ECAP Deformed Copper
Publication: Research › Book chapter – Annual report year: 2004

Growth aspects of recrystallization
Publication: Research › Conference article – Annual report year: 2004

Growth rate distributions during recrystallization of copper
Publication: Research › Conference article – Annual report year: 2004
In-situ investigation of bulk nucleation by X-ray diffraction
Publication: Research - peer-review › Conference article – Annual report year: 2004

In-situ measurements of growth of nuclei within the bulk of deformed aluminum single crystals
Publication: Research - peer-review › Conference article – Annual report year: 2004

Local measurements of stored energy: Microstructural and stereological considerations
Publication: Research › Article in proceedings – Annual report year: 2004

Microstructural parameters and flow stress in Al-0.13% Mg deformed by ECAE processing
Publication: Research - peer-review › Conference article – Annual report year: 2004

Non-destructive characterisation of grain boundaries in 3D
Publication: Research - peer-review › Conference article – Annual report year: 2004

Recrystallization kinetics in the bulk and at the surface
Publication: Research - peer-review › Conference article – Annual report year: 2004

Statistical TEM analysis of boundary misorientations in aluminium deformed to large and extra large strains by ECAE
Publication: Research › Article in proceedings – Annual report year: 2004

The effect of roll gap geometry on microstructure in cold-rolled aluminum
Publication: Research - peer-review › Journal article – Annual report year: 2004

Three-dimensional X-ray diffraction microscopy using high-energy X-rays
Publication: Research - peer-review › Journal article – Annual report year: 2004

Watching the growth of bulk grains during recrystallization of deformed metals
Publication: Research - peer-review › Journal article – Annual report year: 2004

3DXRD microscopy (Invited talk)
Publication: Research › Conference abstract in proceedings – Annual report year: 2003

Automatic determination of recrystallization parameters in metals by electron backscatter pattern line scans
Publication: Research - peer-review › Journal article – Annual report year: 2004

Center for Fundamental Research. Metal Structures in Four Dimensions. Annual report 2002
Publication: Research › Report – Annual report year: 2003

Growth kinetics of individual grains during recrystallization with an intermediate cooling cycle
Publication: Research - peer-review › Journal article – Annual report year: 2003

In situ characterisation of thermomechanical processes
Publication: Research › Article in proceedings – Annual report year: 2003

Microstructural parameters and flow stress in Al-0.13%Mg deformed by ECAE
Publication: Research › Conference abstract in proceedings – Annual report year: 2003

Microstructures and boundary populations in materials produced by equal channel angular extrusion
Publication: Research - peer-review › Journal article – Annual report year: 2003
In-situ characterization of thermomechanical processes
Publication: Research › Conference abstract for conference – Annual report year: 2002

In-situ determination of grain boundary migration during recrystallization
Publication: Research - peer-review › Article in proceedings – Annual report year: 2002

Microstructural characterization in 3 dimensions (invited paper)
Publication: Research - peer-review › Article in proceedings – Annual report year: 2002

Orientation correlations in aluminium deformed by ECAE
Publication: Research - peer-review › Journal article – Annual report year: 2002

Orientation correlations in aluminium deformed by ECAE
Publication: Research › Conference abstract in proceedings – Annual report year: 2002

Recrystallization studies using the 3DXRD microscope
Publication: Research › Conference abstract in proceedings – Annual report year: 2002

Stereological studies of recrystallization kinetics
Publication: Research › Conference abstract in proceedings – Annual report year: 2002

A three-dimensional X-ray diffraction microscope for deformation studies of polycrystals
Publication: Research - peer-review › Conference article – Annual report year: 2002

Assessment of microstructural characterisation of heavily deformed materials by electron microscopy
Publication: Research - peer-review › Article in proceedings – Annual report year: 2001

EBSD contra TEM characterization of a deformed aluminum single crystal
Publication: Research - peer-review › Book chapter – Annual report year: 2001

Effect of grain orientation on microstructures during hot deformation of AA 3104 aluminium alloy by plane strain compression
Publication: Research - peer-review › Journal article – Annual report year: 2001

Experimental measurements of nucleation and growth rates
Publication: Research - peer-review › Article in proceedings – Annual report year: 2001

Growth kinetics of individual cube grains as studied by the 3D X-ray diffraction microscope
Publication: Research - peer-review › Article in proceedings – Annual report year: 2001

Growth rates for different texture components during recrystallization of IF steel
Publication: Research - peer-review › Journal article – Annual report year: 2001

Investigation of relationships between matrix orientations and nuclei at triple junctions
Publication: Research - peer-review › Article in proceedings – Annual report year: 2001

Mapping of grain boundaries in 3D
Publication: Research › Conference abstract in proceedings – Annual report year: 2001

Measurement of orientation dependent stored energy of deformation on a local scale
Publication: Research - peer-review › Article in proceedings – Annual report year: 2001
Microstructural path and temperature dependence of recrystallization in commercial aluminum
Publication: Research - peer-review › Journal article – Annual report year: 2001

Nanostructured metals - processing, microstructure and properties
Publication: Research - peer-review › Journal article – Annual report year: 2001

Plastic deformation and recrystallization studied by the 3D X-ray microscope
Publication: Research - peer-review › Article in proceedings – Annual report year: 2001

Quantification of minor texture components by hard X-rays
Publication: Research - peer-review › Journal article – Annual report year: 2001

Quantitative analysis of grain subdivision in cold rolled aluminium
Publication: Research - peer-review › Journal article – Annual report year: 2001

Recrystallisation of channel die deformed single crystals of typical rolling orientations
Publication: Research - peer-review › Journal article – Annual report year: 2001

Publication: Research - peer-review › Book – Annual report year: 2001

Special feature of crystalline structure and magnetic properties of grain oriented 3% Si steels
Publication: Research - peer-review › Journal article – Annual report year: 2001

Three-dimensional maps of grain boundaries and the stress state of individual grains in polycrystals and powders
Publication: Research - peer-review › Journal article – Annual report year: 2001

Three-dimensional orientation imaging
Publication: Research - peer-review › Book chapter – Annual report year: 2001

Application of high-energy synchrotron radiation for texture studies
Publication: Research - peer-review › Journal article – Annual report year: 2000

A three-dimensional X-ray diffraction microscope for deformation studies of polycrystals
Publication: Research › Conference abstract in proceedings – Annual report year: 2000

Characterisation of deformation structures in ECAE-processed copper
Publication: Research › Article in proceedings – Annual report year: 2000

Deformation and recrystallisation studied by EBSP: Breakthroughs and limitations
Publication: Research - peer-review › Journal article – Annual report year: 2001

Distribution of crystallographic orientations in a deformed aluminium bicrystal
Publication: Research › Article in proceedings – Annual report year: 2000

Growth during recrystallization
Publication: Research › Article in proceedings – Annual report year: 2000

Investigation of a cold-rolled microstructure by orientation imaging microscopy
Publication: Research › Article in proceedings – Annual report year: 2000
Kinetics of individual grains during recrystallization
Publication: Research - peer-review › Journal article – Annual report year: 2000

Measurements of crystallographic orientations in 1D, 2D and 3D (invited lecture)
Publication: Research › Conference abstract in proceedings – Annual report year: 2000

Nucleation at triple junctions in pure aluminium
Publication: Research › Article in proceedings – Annual report year: 2000

Recrystallization - Fundamental aspects and relations to deformation microstructure. Proceedings
Publication: Research - peer-review › Book – Annual report year: 2000

Recrystallization in 3D
Publication: Research › Article in proceedings – Annual report year: 2000

Three dimensional mapping of grain boundaries
Publication: Research › Article in proceedings – Annual report year: 2000

Three dimensional maps of polycrystalline materials
Publication: Research › Conference abstract in proceedings – Annual report year: 2000

Through-thickness texture gradients in cold-rolled aluminum
Publication: Research - peer-review › Journal article – Annual report year: 2000

Automatic recognition of recrystallized grains in partly recrystallized samples from crystal orientation maps
Publication: Research › Article in proceedings – Annual report year: 1999

Comparison of experimental techniques for characterization of through-thickness texture variations
Publication: Research - peer-review › Article in proceedings – Annual report year: 1999

Deformation-induced microstructures: Analysis and relation to properties. Proceedings
Publication: Research - peer-review › Book – Annual report year: 1999

Deformation microstructure and recrystallization behaviour
Publication: Research › Article in proceedings – Annual report year: 1999

Deformation microstructures and textures in steels - Discussion
Publication: Research - peer-review › Journal article – Annual report year: 1999

Development of microstructure in FCC metals during cold work
Publication: Research - peer-review › Journal article – Annual report year: 1999

Effect of grain orientation on deformation structure and recrystallization behaviour of tensile strained copper
Publication: Research › Article in proceedings – Annual report year: 1999

Materials science applications of high energy synchrotron radiation
Publication: Research › Conference abstract in proceedings – Annual report year: 1999

Mikrostrukturrel modellering af industriel valsning
Publication: Research › Article in proceedings – Annual report year: 1999
Modelling of microstructure evolution in hot deformation - Discussion
Publication: Research - peer-review › Journal article – Annual report year: 1999

Plastic deformation, recrystallization and internal stresses studied by a new 3D X-ray microscope
Publication: Research › Conference abstract in proceedings – Annual report year: 1999

Recrystallization kinetics of AA3104 deformed at room and elevated temperatures
Publication: Research › Article in proceedings – Annual report year: 1999

Reproducibility of experimental texture measurement
Publication: Research › Article in proceedings – Annual report year: 1999

Textures of AA3104 deformed by plane strain compression at multiple temperatures
Publication: Research › Article in proceedings – Annual report year: 1999

The effect of rolling draughts on texture and microstructure in aluminium
Publication: Research - peer-review › Article in proceedings – Annual report year: 1999

Characterization of through-thickness texture variations in cold-rolled aluminium
Publication: Research › Conference abstract in proceedings – Annual report year: 1998

Deformation microstructure and texture evolution and its effects on flow stress anisotropy and annealing behaviour (invited lecture)
Publication: Research › Conference abstract in proceedings – Annual report year: 1998

Effect of grain orientation on deformation structure in cold-rolled polycrystalline aluminium
Publication: Research › Journal article – Annual report year: 1998

Formation of fine grains in aluminium deformed to large strains
Publication: Research › Article in proceedings – Annual report year: 1998

Future trends: Texture analysis for structure-sensitive properties
Publication: Research - peer-review › Journal article – Annual report year: 1998

Hot and cold deformed aluminium: Deformation microstructure and recrystallization behaviour (Invited paper)
Publication: Research › Article in proceedings – Annual report year: 1998

Investigation of medium to high strain deformation microstructures using an automated electron backscattering pattern (EBSP) system
Publication: Research › Conference abstract for conference – Annual report year: 1998

Microstructure development in single-phase materials - applications
Publication: Research › Conference abstract for conference – Annual report year: 1998

Microtexture and microstructure investigations by orientation imaging microscopy (OIM)
Publication: Research › Article in proceedings – Annual report year: 1998

Modern modelling of recrystallization
Publication: Research › Article in proceedings – Annual report year: 1998
Optimization of properties in metals by thermomechanical processing. New possibilities by synchrotron radiation (invited lecture)
Publication: Research › Conference abstract in proceedings – Annual report year: 1998

Orientation pinning during growth
Publication: Research › Article in proceedings – Annual report year: 1998

Slip pattern, microstructure and local crystallography in an aluminium single crystal of brass orientation #left brace#110#right brace#
Publication: Research › Journal article – Annual report year: 1998

Slip pattern, microstructure and local crystallography in an aluminium single crystal of copper orientation #left brace#112#right brace#
Publication: Research › Journal article – Annual report year: 1998

Strain Distribution and Texture Inhomogeneities in Rolled Aluminium
Publication: Research › Conference abstract in proceedings – Annual report year: 1998

The migration of high angle grain boundaries during recrystallization
Publication: Research › Journal article – Annual report year: 1998

Three dimensional X-ray diffraction using high energy synchrotron radiation
Publication: Research › Conference abstract in proceedings – Annual report year: 1998

Through-thickness texture variations determined non-destructively by high energy synchrotron radiation
Publication: Research › Journal article – Annual report year: 1998

Deformation induced dislocation boundaries: Alignment and effect on mechanical properties
Publication: Research › Conference article – Annual report year: 1997

Anisotrope mekaniske egenskaber
Publication: Research › Conference abstract for conference – Annual report year: 1997

Applications of high-energy synchrotron radiation for structural studies of polycrystalline materials
Publication: Research › Journal article – Annual report year: 1997

Applications of orientation mapping by scanning and transmission electron microscopy
Publication: Research › Journal article – Annual report year: 1997

Can we make and do we need a 3-D x-ray microscope
Publication: Research › Conference abstract for conference – Annual report year: 1997

Current issues in recrystallization: A review
Publication: Research › Journal article – Annual report year: 1998

Dense dislocation walls and microbands aligned with slip planes - theoretical considerations
Publication: Research › Journal article – Annual report year: 1997

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Publication: Research › Conference article – Annual report year: 1997
Grain boundary mobility during recrystallization of copper
Publication: Research › Journal article – Annual report year: 1997

Growth during recrystallization
Publication: Research › Conference abstract in proceedings – Annual report year: 1997

Growth effects on microstructure and texture development during recrystallization
Publication: Research › Article in proceedings – Annual report year: 1997

Growth in heavily deformed FCC metals: Effects of orientation pinning
Publication: Research › Article in proceedings – Annual report year: 1997

Hvad sker der i et metal når det rekrystalliseres?
Publication: Research › Conference abstract for conference – Annual report year: 1997

Karakterisering og modellering af rekrystallisation
Publication: Research › Article in proceedings – Annual report year: 1997

Modelling flow stress anisotropy caused by deformation induced dislocation boundaries
Publication: Research › Journal article – Annual report year: 1997

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Publication: Research › Conference abstract for conference – Annual report year: 1997

Orientation aspects of growth during recrystallization
Publication: Research › Doctoral thesis – Annual report year: 1997

Simulation of recrystallization microstructures and textures: Effects of preferential growth
Publication: Research - peer-review › Journal article – Annual report year: 1997

Three dimensional mapping of materials science properties using high energy synchrotron radiation
Publication: Research › Conference abstract in proceedings – Annual report year: 1997

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Publication: Research - peer-review › Journal article – Annual report year: 1996

Applications of EBSP technique
Publication: Research › Conference abstract for conference – Annual report year: 1996

Applications of OIM in SEM and TEM
Publication: Research › Conference abstract for conference – Annual report year: 1996

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Publication: Research › Article in proceedings – Annual report year: 1996

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Publication: Research - peer-review › Journal article – Annual report year: 1997

Dislocation structures in deformed metals
Publication: Research › Article in proceedings – Annual report year: 1996
EBSP studies of growth rates during recrystallization
Publication: Research - peer-review › Article in proceedings – Annual report year: 1996

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Publication: Research - peer-review › Journal article – Annual report year: 1996

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Publication: Research › Article in proceedings – Annual report year: 1996

Growth in heavily deformed FCC metals and effects hereof on microstructural and texture development
Publication: Research › Conference abstract for conference – Annual report year: 1996

High energy synchrotron radiation: a new tool for texture and strain determinations
Publication: Research › Conference abstract in proceedings – Annual report year: 1996

High energy synchrotron radiation: A new tool for texture and strain determinations
Publication: Research › Conference abstract in proceedings – Annual report year: 1996

Investigation of local texture by high energy synchrotron radiation
Publication: Research › Conference abstract for conference – Annual report year: 1996

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Publication: Research › Conference abstract in proceedings – Annual report year: 1996

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Publication: Research › Article in proceedings – Annual report year: 1996

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Publication: Research › Article in proceedings – Annual report year: 1996

Quantification of microstructural evolution and texture development during recrystallization
Publication: Research - peer-review › Journal article – Annual report year: 1996

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Publication: Research › Journal article – Annual report year: 1996

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Publication: Research - peer-review › Journal article – Annual report year: 1995

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Publication: Research › Article in proceedings – Annual report year: 1995

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Publication: Research - peer-review › Book – Annual report year: 1995

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Publication: Research › Article in proceedings – Annual report year: 1995

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Publication: Research - peer-review › Journal article – Annual report year: 1995

Modelling microstructure and texture development during recrystallization
Publication: Research › Conference abstract for conference – Annual report year: 1995

Modern diffraction techniques for measurements of residual strain and texture
Publication: Research › Article in proceedings – Annual report year: 1995

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Publication: Research - peer-review › Journal article – Annual report year: 1995

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Publication: Research › Article in proceedings – Annual report year: 1995

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Publication: Research › Article in proceedings – Annual report year: 1995

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Publication: Research › Ph.D. thesis – Annual report year: 1994

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Publication: Research › Article in proceedings – Annual report year: 1994

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Publication: Research › Article in proceedings – Annual report year: 1994

Automatic recognition of deformed and recrystallized regions in partly recrystallized samples using electron back scattering patterns
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Publication: Research › Article in proceedings – Annual report year: 1994
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Publication: Research › Article in proceedings – Annual report year: 1994

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Publication: Research › Article in proceedings – Annual report year: 1994

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Publication: Research - peer-review › Journal article – Annual report year: 1994

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Publication: Research › Article in proceedings – Annual report year: 1994

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Publication: Research › Article in proceedings – Annual report year: 1994

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Publication: Research › Journal article – Annual report year: 1994

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Publication: Research › Journal article – Annual report year: 1994

Relations between microstructure texture and mechanical properties
Publication: Research - peer-review › Book chapter – Annual report year: 1994

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Publication: Research - peer-review › Article in proceedings – Annual report year: 1994

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Publication: Research › Conference abstract for conference – Annual report year: 1993

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Publication: Research - peer-review › Article in proceedings – Annual report year: 1993

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Publication: Communication › Journal article – Annual report year: 1993

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Publication: Research › Conference abstract for conference – Annual report year: 1993

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Publication: Research - peer-review › Journal article – Annual report year: 1994
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Kinetic texture measurements
Publication: Research › Journal article – Annual report year: 1992

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Publication: Research › Journal article – Annual report year: 1989

Fast Texture Measurements using a Position Sensitive Detector
Publication: Research › Article in proceedings – Annual report year: 1989

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Microstructure, Texture and Mechanical Properties of Al-SiC	extsubscript{w} Composites Manufactured by Powder Blending
Publication: Research › Article in proceedings – Annual report year: 1989

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Publication: Research › Peer-review › Journal article – Annual report year: 1989

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Publication: Research › Article in proceedings – Annual report year: 1989

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Publication: Research › Article in proceedings – Annual report year: 1988

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Publication: Research › Article in proceedings – Annual report year: 1988

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Publication: Research › Article in proceedings – Annual report year: 1988

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Publication: Research › Article in proceedings – Annual report year: 1988

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In-Situ Measurement of Phase Transformation Kinetics using Neutron Diffraction
Publication: Research › Journal article – Annual report year: 1988

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Publication: Research › Article in proceedings – Annual report year: 1988

Texture and Flow Stress of Cold-drawn Aluminium Alloys
Publication: Research › Article in proceedings – Annual report year: 1988

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Publication: Research › Article in proceedings – Annual report year: 1988

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Publication: Research › Article in proceedings – Annual report year: 1987

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Publication: Research › Article in proceedings – Annual report year: 1987

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Publication: Research › Article in proceedings – Annual report year: 1987

Relations between Texture and Flow Stress in Commercially Pure Aluminium
Publication: Research › Article in proceedings – Annual report year: 1987

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Publication: Research - peer-review › Journal article – Annual report year: 1986

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Publication: Research - peer-review › Article in proceedings – Annual report year: 1986

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Publication: Research - peer-review › Article in proceedings – Annual report year: 1986

Måling af indre spændinger med neutrondiffraktion
Publication: Research - peer-review › Article in proceedings – Annual report year: 1986

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Publication: Research - peer-review › Article in proceedings – Annual report year: 1986

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Publication: Research › Article in proceedings – Annual report year: 1985

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Publication: Research - peer-review › Article in proceedings – Annual report year: 1985

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Publication: Research - peer-review › Journal article – Annual report year: 1985

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Publication: Research - peer-review › Article in proceedings – Annual report year: 1984
Calorimetric Studies of Recrystallization
Publication: Research › Article in proceedings – Annual report year: 1984

Correlation between Texture and Line Width in fcc. Materials with Deformation Twin Lamellae
Publication: Research - peer-review › Article in proceedings – Annual report year: 1984

In-Situ Texture Measurements by Neutron Diffraction used in a Study of Recrystallization Kinetics
Publication: Research - peer-review › Article in proceedings – Annual report year: 1984

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Publication: Research - peer-review › Article in proceedings – Annual report year: 1984

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Publication: Research - peer-review › Article in proceedings – Annual report year: 1984

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Publication: Research - peer-review › Article in proceedings – Annual report year: 1984

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Publication: Research - peer-review › Article in proceedings – Annual report year: 1984

Apparatus for Dynamical Texture Measurements by Neutron Diffraction using a Position Sensitive-Detector
Publication: Research › Journal article – Annual report year: 1983

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Publication: Research › Article in proceedings – Annual report year: 1982

Projects:

Microstructure and Fatigue Properties of Railway Steels for Switches and Crossings
Project: PhD

Intelligent Quality Assessment of Railway Switches and Crossings
Project

Intelligent Quality Assessment of Railway Switches and Crossings (INTELLISWITCH)
Project

Nucleation of recrystallization at selected sites in deformed fcc metals
Project: PhD

Statistical characterization of metal microstructures
Project: PhD

Thermomechanical modelling of casting large wind turbine parts
Project: PhD
Electromechanical Drivetrain Simulation  
Project: PhD

Thermal Stability of Tungsten  
Project: PhD

Kinetics of coarsening during annealing  
Project: PhD

Development of long cube textured metal substrates suitable for reel-to-reel processing and applications under both ac and dc conditions  
Project: PhD

Structural and textural control in high strength dual phase steels  
Project: PhD

3D Studies of Coarsening Kinetics of Individual Grains  
Project: PhD

Synchrotron studies and modelling of the dynamics of dislocation structures  
Project: PhD

Fysisk metallurgi/digital billedbehandling  
Project: PhD