



DIMENSIONS

Workshop Open Access Monitor 2019

07. JUNI 2019 | ANDREAS MEIER

DIMENSIONS

Grunddaten

- „Next-generation linked research information system“
- Gehört zu Digital Science (u.a. auch Altmetric, figshare uvm.)
- Im Januar 2018 gestartet
- Freie und kommerzielle Version verfügbar
- Über 140 Millionen Einträge

DIMENSIONS


Was steckt drin?

Publications	101.753.197
Grants	4.580.561
Patents	38.399.611
Clinical Trials	461.411
Policy Documents	422.437

Stand: Ende Mai 2019

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Beispiel

e.g. plastic AND instrumentSupportRegisterLog in




FILTERS FAVORITES




- > PUBLICATION YEAR
- > RESEARCHER
- > FUNDER
- > RESEARCH ORGANIZATION
- > COUNTRY/TERRITORY
- > FIELDS OF RESEARCH
- > PUBLICATION TYPE
- > SOURCE TITLE
- > JOURNAL LIST
- > OPEN ACCESS




PUBLICATIONS 102,943,387	GRANTS 4,891,573	PATENTS 38,420,014	CLINICAL TRIALS 462,954	POLICY DOCUMENTS 422,561
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Sort by: Publication Date ▾


Title, Author(s), Bibliographic reference - [About the metrics](#)

A new interpretation of the $\sqrt{7}\times\sqrt{7}$ R19.1° structure for P adsorbed on a Ni(111) surface
Elizabeth Barrow, Grant S. Seuser, Hiroko Ariga-Miwa, Donna A. Chen, Jochen Lauterbach, Kiyotaka Asakura
2019, Science and Technology of Advanced Materials - Article
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Twinning behavior of orthorhombic- α' martensite in a Ti-7.5Mo alloy
Xin Ji, Ivan Gutierrez-Urrutia, Satoshi Emura, Tianwei Liu, Toru Hara, Xiaohua Min, Dehai Ping, Koichi Tsuchiya
2019, Science and Technology of Advanced Materials - Article
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Reactive metal-support interaction in the Cu-In2O3 system: intermetallic compound formation and its consequences for CO2-selective methanol steam reforming
Kevin Ploner, Lukas Schlicker, Albert Gili, Aleksander Gurlo, Andrew Doran, Lei Zhang, Marc Armbrüster, Dagmar Obendorf, Joh...
2019, Science and Technology of Advanced Materials - Article
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< ANALYTICAL VIEWS

 FIELDS OF RESEARCH ▾

1103 Clinical Sciences	5,395,480
0601 Biochemistry and Cell Biology	2,978,394
1117 Public Health and Health Services	2,941,698
0306 Physical Chemistry (incl. Structural)	2,793,429
0912 Materials Engineering	2,541,058

 OVERVIEW ▾

RCR Mean **0.76** FCR Mean **1.31**



● Publications (total)

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Beispiel

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Publication - Article
Twinning behavior of orthorhombic- α' martensite in a Ti-7.5Mo alloy
Science and Technology of Advanced Materials, 20(1), 401-411, 2019
<https://doi.org/10.1080/14686996.2019.1600201/>

Authors
Xin Ji - National Institute for Materials Science
Ivan Gutierrez-Urrutia - National Institute for Materials Science
Satoshi Emura - National Institute for Materials Science
[5 more](#)





Abstract
Deformation microstructure of orthorhombic- α' martensite in a Ti-7.5Mo (wt.%) alloy was investigated by tracking a local area of microstructure using scanning electron microscopy, electron back-scattered diffraction, and transmission electron microscopy. The as-quenched α' plates contain $(111)_{\alpha'}$ -type I transformation twins generated to accommodate transformation strain from bcc- β to orthorhombic- α' martensite. Tensile deformation up to strain level of 5% induces $(112)_{\alpha'}$ -type I deformation twins. The activation of $(112)_{\alpha'}$ -type I deformation twinning mode is reported for the first time in α' martensite in β -Ti alloys. $(112)_{\alpha'}$ -type I twinning mode was analyzed by the crystallographic twinning theory by Bilby and Crocker and the most possible mechanism of atomic displacements (shears and shuffles) controlling the newly reported $(112)_{\alpha'}$ -type I twinning were proposed.
[more](#)




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Research Categories
Fields of Research
0912 Materials Engineering

External sources
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[Abstract at PubMed](#)
[Full text at PMC](#)

Publication references - 50 Sorted by: Date

Quantitative analysis of $\{332\}$ $\langle 113 \rangle$ twinning in a Ti-15Mo alloy by in situ scanning electron microscopy
Ivan Gutierrez-Urrutia, Cheng-Lin Li, Xin Ji, Satoshi Emura, Koichi Tsuchiya
2018, Science and Technology of Advanced Materials - Article
   

Plastic deformation behaviour of single-crystalline martensite of Ti-Nb shape memory alloy
Masaki Tahara, Nao Okano, Tomonari Inamura, Hideki Hosoda
2017, Scientific Reports - Article
  

Strain-rate effect on work-hardening behavior in β -type Ti-10Mo-1Fe alloy with TWIP effect

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Disambiguierung der Einrichtungen durch GRID

- GRID: **G**lobal **R**esearch Identifier **D**atabase
- Fast 100.000 Einträge in der Datenbank
- Einteilung in Unternehmen, Universitäten, Institute, Wissenschaftsorganisationen, Ministerien etc.
- Eindeutigkeit durch GRID-ID
- Frei verfügbare Datenbank im JSON- und CSV-Format

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Disambiguierung der Einrichtungen durch GRID

The screenshot shows the top navigation bar of the GRID website with links for EXPLORE, DOWNLOADS, DISAMBIGUATE, POLICIES, STATISTICS, and CONTACT. The main heading reads "Helmholtz Association of German Research Centres" with the identifier "grid.211011.2" below it. The background features a dark grid pattern.

Metadata:

ID grid.211011.2
Types Government
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External links:

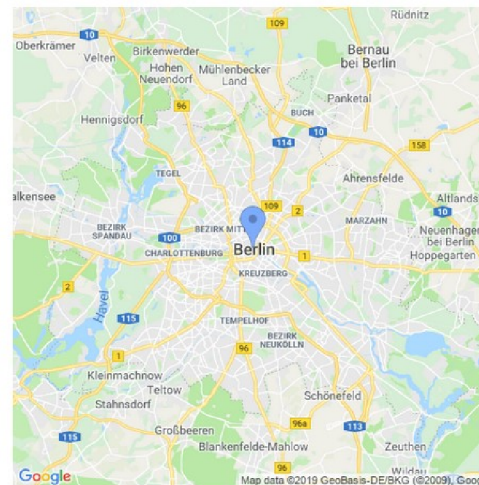
Institute Links <http://www.helmholtz.de/en/>
Wikipedia http://en.wikipedia.org/wiki/Helmholtz_...
ISNI 0000 0001 1942 5154
Crossref 501100001656
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Alternate Labels:

Aliases
Acronyms
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Berlin - Germany

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GeoNames

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Disambiguierung der Einrichtungen durch GRID



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- Alfred Wegener Institute for Polar and Marine Research
- Deutsche Elektronen-Synchrotron DESY
- Forschungszentrum Jülich
- GEOMAR Helmholtz Centre for Ocean Research Kiel
- GSI Helmholtz Centre for Heavy Ion Research
- German Aerospace Center
- German Cancer Research Center
- German Center for Neurodegenerative Diseases
- Helmholtz Alberta Initiative
- Helmholtz Alliance Imaging and Curing Environmental Metabolic Diseases
- Helmholtz Alliance for Astroparticle Physics
- Helmholtz Centre Potsdam - GFZ German Research Centre for Geosciences
- Helmholtz Centre for Environmental Research
- Helmholtz Centre for Infection Research
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- Helmholtz International Center for FAIR
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- Helmholtz-Zentrum Berlin
- Helmholtz-Zentrum Dresden-Rossendorf
- Helmholtz-Zentrum Geesthacht Centre for Materials and Coastal Research
- Karlsruhe Institute of Technology
- Max Delbrück Center for Molecular Medicine
- Max Planck Institute Luxembourg for International, European and Regulatory Procedural Law
- Max Planck Institute of Plasma Physics

Related Institutes Brussels Office of Helmholtz Association

GeoNames

Type	Name	GeoNames Code	GeoNames ID
City	Berlin		2950159
Admin 1 Region	Berlin	DE.16	2950157
Country/Territory	Germany	DE	2921044

NUTS

Level	Name	NUTS code
NUTS 3	Berlin	DE300
NUTS 2	Berlin	DE30
NUTS 1	BERLIN	DE3

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DIMENSIONS

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- Dient als Quelle für den Publikations- sowie Zitationsnachweis
- Im OA-Monitor nur Publikationen des Typs „Article“ enthalten
- Nutzung der normierten Einrichtungen, Verlage und Zeitschriften
- Berücksichtigt werden nur die Länder Deutschland, Österreich und Schweiz
- Weiternutzung der Normdaten zur Pflege des Mappings von anderen Quellen