

**CRYSTAL STRUCTURE STUDIES OF MATERIALS
FOR POTENTIAL USE IN SOLAR ENERGY
CONVERSION**

By Klaas Eriks

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<http://www.authormapper.com/search.aspx?size=100&val=subject%3AChemistry&val=country%3ASouth+Africa&P=5>

Synthesis, crystal structure and spectroscopic -

Synthesis, crystal structure and spectroscopic studies of some organic/inorganic hybrid materials containing isostructural monomeric uranyl complexes bridged by

<http://www.sciencedirect.com/science/article/pii/S0020169314001595>

Alexander von Humboldt-Foundation - Researching -

Publications in 2006 Physics Akinlade, Determination of partial structure factors by reverse Monte Carlo modelling Journal of High Energy Physics. 2006,

http://www.humboldt-foundation.de/web/pub_hn_query.bibliographia_index_pub?p_lang=en&p_year=2006&p_group=&p_fg2=2C

world-food.net -

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<http://world-food.net/wflldb.sql>

Journal of Physical Chemistry B 2005 - Abstracts - -

Journal of Physical Chemistry B 2005 Biomimetic assemblies of carbon nanostructures for photochemical energy conversion. Crystal structure of an ethylene

<http://www.faqs.org/abstracts/author/journal-of-physical-chemistry-b-2005/other/>

Publications - Lawrence Berkeley National Laboratory -

Windows & Envelope Materials Group; Energy Analysis and Environmental Impacts. International Energy Studies Group; This publications database is an ongoing

<http://eetd.lbl.gov/publications/filter>

Authors Contributions - DESY PHOTON SCIENCE -

Author Contributions (M) in 2010. Maarros,

http://photon-science.desy.de/annual_report/authors.php?letter=m&year=2010

Electrocatalytic and antibacterial applications of -

Electrocatalytic and antibacterial applications of sandwich type polyoxometalates. potential recommendation reach. To recommend this Materials Science, Fuel

http://www.academia.edu/1646233/Electrocatalytic_and_antibacterial_applications_of_sandwich_type_polyoxometalates

Alexander von Humboldt-Foundation - Recherche im -

[crossed molecular beams scattering; potential energy o85 [Crystal Structure, 2 Dye-Sensitized Solar Cells. In: Chemistry of Materials

http://www.humboldt-foundation.org/pls/web/pub_hn_query.bibliographia_index_pub?p_lang=de&p_year=2008&p_group=&p_fg2=2F

Progress in Photovoltaics: Research and -

Progress in Photovoltaics: Research and Fraunhofer Institute for Solar Energy by introducing the photonic crystal structure, and consequently the conversion

[http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1099-159X/earlyview](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1099-159X/earlyview)

MDPI Open Access Journals Platform -

MDPI is a publisher of peer-reviewed, open access journals since its establishment in 1996.

<http://www.mdpi.com/search?q=static%20characteristics>

Vrije Universiteit Brussel -

The use of nucleosides and arginine as alternative energy sources by blend of polymer solar cells by Sheet Conversion in the Crystal Structure of the

http://www.vub.ac.be/infovoor/onderzoekers/research/team_pub.php?team_code=D BIT

The Journal of Chemical Physics - About -

Insight into reaction coordinates and dynamics from the potential energy Abstract Crystal structure and materials science. Electronic structure

<http://scitation.aip.org/content/aip/journal/jcp/info/spotlights>

Crystal structure, optical and thermal studies of -

A new organic nonlinear optical material l-histidinium maleate 1.5-hydrate (LHM) with the molecular formula $C_{10}H_{16}N_3O_{7.5}$ has been successfully synthesized from

<http://www.sciencedirect.com/science/article/pii/S0025540812001882>

European Journal of Inorganic Chemistry - - Wiley -

Crystal Structure, and Biological Study of Pt Sensitized Solar Cells [Full Paper] Eur. J. Inorg. Chem on DNA Structure [Full Paper] Eur. J. Inorg. Chem

<http://www.wiley.com/trackthrough?urlcode=467872>

APS -APS March Meeting 2013 - Session Index MAR13 -

we study the electronic structure and possibility of The development and use of these functional materials requires basic efficient energy conversion

<http://meetings.aps.org/Meeting/MAR13/SessionIndex3/%3FSessionEventID%3D?VirtualSession=J>

EMRS - Strasbourg -

The crystal structure of the TiC/TiO₂ Y. Cao, Solar Energy Materials & Solar of solar energy, it is clear that the study of the materials and

http://www.emrs-strasbourg.com/index.php?option=com_abstract&task=view&id=61&day=2009-06-10&Itemid=92

spie.org -

2 SPIE Optics+Photonics 2015 spie.org/op Return to Contents 9557:

Nanobiosystems: Processing, Characterization, and Applications VIII 207
9558

<http://spie.org/Documents/ConferencesExhibitions/OP15-abstracts.pdf>

Theoretical Chemistry literature database -

Rotationally inelastic scattering of ND 3 with H 2 as a probe of the intermolecular potential energy The electronic structure of and Energy Conversion

<http://www.theochem.ru.nl/cgi-bin/dbase/pass5.cgi>

JoVE | Peer Reviewed Scientific Video Journal - -

Energy level diagrams were The structure consists a field experiment was conducted in Nanjing City to study the effects of simulated reduced solar radiation

<http://www.jove.com/visualize?author=Jun+Rong>

Seminars & Colloquia - University of Rochester -

Theoretical studies of structure and Quantum dynamics in solar energy materials Metal Complexes for Applications in Solar Energy Conversion and

<http://www.chem.rochester.edu/seminars/>

Concerted Proton-Electron Transfers: Fundamentals -

Concerted Proton-Electron Transfers: Fundamentals and A Morse curve potential energy profile is used for the cleaving bond Solar energy supply and

<http://www.annualreviews.org/doi/full/10.1146/annurev-anchem-071213-020315>

Top 10 PCCP Blog - Royal Society of Chemistry -

Archive for the Top 10 Category Computational methodologies and physical insights into electronic energy transfer in CSD search and theoretical study

<http://blogs.rsc.org/cp/category/top-10/page/2/>

www.springer.com -

Chitosan and Their Derivatives from Marine Rest-Raw Materials: Potential Food to study chromatin structure used to generate crystal

http://www.springer.com/cda/content/document/cda_downloaddocument/Springer_FL_12q1_US_naturalsciences_datasheet.csv?SGWID=0-0-45-1275440-0

Crystal - Wikipedia, the free encyclopedia -

The scientific study of crystals and crystal Crystalline structures occur in all classes of materials, Large numbers of known crystal structures are

<http://en.wikipedia.org/wiki/Crystal>

December 2011 -

46 Martin Next Generation Solar Energy Center, inspired me with his study on the cost of The materials used are calibrated on ap-

<https://www.scribd.com/doc/272289855/December-2011>

Amazon.com: Klaas Eriks: Books, Biography, Blog, -

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Wiersema Klaas Curran Peter A. Kr hler Thomas Melandri Andrea Melandri Andrea Rol Evert Starling Rhaana L C Tanvir Nial R. Van Der Horst Alexander J.

<http://home.izum.si/COBISS/cit/SI/SCOPUS-SI-N.xml>

Symposium PP: Quantum-Dot and Nanoparticle -

Quantum-Dot and Nanoparticle Bioconjugates--Tools for their crystal structure little is known about the electrochemical studies of these materials

<http://www.mrs.org/f07-abstract-pp/>

Forum: Energie Solar power Pagina: 30 | -

scientists from Stanford University concluded in a new study. Right now, silicon solar materials with the same crystal structure solar energy potential

<https://www.iex.nl/forum/topic/1084588/30/default.aspx>

JournalTOCs -

The prediction and the optimization of the energy The model improves the commonly used modeling approach Stable CdTe thin film solar cells

<http://www.journaltoCs.ac.uk/index.php?action=tocs&journalISSN=1062-7995>

Search History -

hydrocarbons-; ice-; ice-crystal-chemistry; ice-crystal-growth; laboratory-studies; materials in the Solar energy-resource potential of gas

http://www.gas-hydrate.org.cn/permafrost/Permafrost_04.doc

Symposium B: Third-Generation and Emerging Solar -

1 SFI-Strategic Research Cluster in Solar Energy Conversion, Materials structure-property study of solar energy sources and provide a potential

<http://www.mrs.org/s11-abstract-b/>

Opto-Ireland 2002: Optics and Photonics -

Solar & Alternative Energy; Ultrafast transient absorption studies of ruthenium and rhenium dipyridophenazine complexes bound to DNA and Klaas J. Wildeman;

<http://spie.org/Publications/Proceedings/Volume/4876>

The Structure of Photosystem II and the Mechanism -

in combination with the results of a vast number of experimental studies conversion of light energy into crystal structure but

<http://www.annualreviews.org/doi/full/10.1146/annurev-arplant-050312-120129>

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Department of Chemistry | Materials Science & -

Graduate Studies; Events & Seminars; MSE 6010 Electronic and Crystal Structure of Materials MSE 6230 Thermodynamics and Phase Equilibria of Materials

<http://chem.virginia.edu/graduate-studies/the-phd-program/phd-requirements/interdisciplinary-graduate-courses/material-science-and-engineering/>

Efficient Sensitization of Nanocrystalline TiO₂ -

of Nanocrystalline TiO₂ Films by a Near-IR-Absorbing Unsymmetrical Zinc Phthalocyanine. Crystal Structure, Solar Energy Materials and Solar

<http://onlinelibrary.wiley.com/doi/10.1002/anie.200603098/citedby>