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Publikationer

Performance and dye-stability of semi-transparent dye-sensitized solar cell pavilion modules after six years of operation

Lund, T., Paskett, W. A., Højgård, L. & Neerup-Jensen, R., aug. 2023, I: *Journal of Physics and Chemistry of Solids*. 179, 111396.

Physiological response in *E. coli* to YdgR overexpression depends on whether the protein has an intact function

Sajid, S., Hernandez-Salas, L. P., Rafiq, M., Lund, T., Girke Jørgensen, M., Honore, B., Poskjær Christensen, L., Hansen, P. R., Franzyk, H., Mirza, O. & Krishna Prabhala, B., 18 jun. 2023, I: *Biochemical and Biophysical Research Communications*. 661, s. 42-49 8 s.

Performance and dye stability of semitransparent dye-sensitized solar cell pavilion modules after 6 years of operation

Lund, T., Allan Paskett, W., Højgård, L. & Neerup_jensen, R., 20 apr. 2023, (Accepteret/In press) I: *Journal of Physics and Chemistry of Solids*.

Essentiality of the *Escherichia coli* YgfZ Protein for the In Vivo Thiomethylation of Ribosomal Protein S12 by the RimO Enzyme

Lund, T., Kulkova, M. Y., Jersie-Christensen, R. & Atlung, T., mar. 2023, I: *International Journal of Molecular Sciences*. 24, 5, 4728.

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Beregning af Jordens middeltemperaturstigning ved en fordobling af CO₂-indholdet i atmosfæren

Lund, T., Storr-Hansen, E., Christensen, V. V. E., Nilsson, C. H. U., Norén, D. V. & Empacher, S. H., okt. 2020, I: *Kvant*. 2020, 3, s. 21-26 6 s.

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Martinenghi, L. D., Jønsson, R., Lund, T. & Jenssen, H., 12 jun. 2020, I: *Biomolecules*. 10, 6, s. 1-16 16 s., 900.

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Le, T. K., Nguyen, T. L., Hoang, C. N., Nguyen, D. K. A., Lund, T., Nguyen, H. K. H. & Huynh, T. K. X., 2 jan. 2020, I: *Journal of Asian Ceramic Societies*. 8, 1, s. 193-202 10 s.

Enhanced photocatalytic activity of ZnO nanoparticles by surface modification with KF using thermal shock method

Le, T. K., Nguyen, T. M. T., Nguyen, H. T. P., Nguyen, T. K. L., Lund, T., Nguyen, H. K. H. & Huynh, T. K. X., jan. 2020, I: *Arabian Journal of Chemistry*. 13, 1, s. 1032-1039 8 s.

Characterization and photocatalytic activity of new photocatalysts based on Ag, F-modified ZnO nanoparticles prepared by thermal shock method

Nguyen, H. T. P., Nguyen, T. M. T., Ngoc Hoang, C., Le, T. K., Lund, T., Nguyen, H. K. H. & Huynh, T. K. X., 2020, I: Arabian Journal of Chemistry. 13, 1, s. 1837-1847 11 s.

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Phan, T. A. P., Nguyen, N. P., Nguyen, L. T., Nguyen, P. H., Lea, T. K., Huynhb, T. V. H., Lund, T., Tsai, D-H., Weid, T-C. & Nguyen, P. T., 2020, I: Applied Surface Science. 2020, 509, 9 s., 144878.

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Drazevic, E., Szabo, C., Konya, D., Lund, T., Wedege, K. & Bientien, A., 17 jun. 2019, I: ACS Applied Energy Materials. 2, 7, s. 4745-4754 10 s.

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Lund, T., Ohlrich, D. & Borling, P., 1999, I: ACTA chemica Scandinavica. 53, s. 932-937

En ny solcelletype baseret på farvestof-sensibiliserede nanokrystalinske halvleder-oxidfilm (Grätzel-solcellen)

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Complete inversion of configuration in aliphatic nucleophilic substitution reactions with small inner-sphere stabilization

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Electron transfer in some nucleophilic reactions

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Kinetic studies of the homogeneous coupling reaction between electrochemically generated aromatic radical anions and alkyl radicals

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Experimental determination of the reorganization energy of the $\text{NO}_2^+/\text{NO}_2$ redox couple: comparison with theory

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On radical anions in elucidation of mechanisms of organic reactions

Lund, H., Daasbjerg, K., Lund, T., Occhialini, D. & Pedersen, S. U., 1997, I: ACTA chemica Scandinavica. 51, s. 135-143

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Lipid biomarkers: linking the utilization of frontal plankton biomass to enhanced condition of juvenile North Sea cod

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Photoinduced alkylation of anthracene by butyltriphenylborate ion. a comparison between products from the photochemical and electrochemical butylation of anthracene

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On electron transfer in aliphatic nucleophilic substitution

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Does the reaction between fluorenone and grignard reagents involve free fluorenone anion radicals?

Lund, T., Pedersen, M. L. & Frandsen, L. A., 1994, I: Tetrahedron Letters. 35, 49, s. 9225-9226

Debromination of meso- and (+-)-1,2-dibromo-1,2-diphenylethane by 9-substituted fluorenone ions»c correlation between stereochemical results and redox potentials

Lund, T., Bjørn, C., Hansen, H. S., Jensen, A. K. & Thorsen, T. K., 1993, I: ACTA chemica Scandinavica. 47, s. 877-884

Electron transfer and regioselectivity in the alkylation of a hydrocarbon mono- and dianion

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Correlation between inner-sphere stabilization and stereochemistry for the aliphatic nucleophilic substitution

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Homogeneous rate constants for coupling between electrochemically generated aromatic anion radicals and alkyl radicals

Pedersen, S. U. & Lund, T., 1991, I: ACTA chemica Scandinavica. 45, s. 397-402

On the reaction between alkyl halides and dianions of aromatic compounds

Lund, T. & Lund, H., 1991, I: ACTA chemica Scandinavica. 45, s. 655-658

On the stereoisomerization of radicals during aliphatic nucleophilic substitutions

Daasbjerg, K., Lund, T. & Lund, H., 1989, I: Tetrahedron Letters. 30, 4, s. 493-496 4 s.

Rate of homogeneous electron-transfer in self-exchange reactions of methylviologen

Fuhlendorff, R., Lund, T., Lund, H. & Pedersen, J. A., 1987, I: Tetrahedron Letters. 28, 44, s. 5335-5338 4 s.

Single electron-transfer as rate-determining step in an aliphatic nucleophilic substitution

Lund, T. & Lund, H., 1986, I: Tetrahedron Letters. 27, 1, s. 95-98 4 s.

Relative signs of ^{13}C -X coupling constants from ^{13}C satellites in ^{13}C NMR spectra

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^{13}C - $\{^1\text{H}, ^{14}\text{N}\}$ triple-resonance experiments. A useful technique in ^{13}C NMR of nitrogen-containing molecules

Jakobsen, H. J., Lund, T., Hansen, R. S. & Daugaard, P., dec. 1978, I: Journal of Magnetic Resonance. 32, 3, s. 459-462 4 s.

Projekter

Anthocyaniners fysiologiske roller i planters blade

Nielsen, S. L. & Lund, T.

Forskningsrådet for Natur og Univers

01/01/2007 → 31/12/2009

DSC New ways to high efficiency Dye-sensitized Solar Cells

Lund, T.

15/09/2013 → ...

En undersøgelse af nedbrydningskemi og stabilitet af en række kendte og nye Grätzel solcelle ruthenium farvestofkomponenter

Lund, T.

Statens Teknisk Videnskabelige Forskningsråd

11/08/2010 → ...

Aktiviteter

A contribution to reducing uncertainty in risk assessments of polluted sediments?

Torben Lund (Oplægsholder)

15 maj 1999 → 29 maj 1999

Analyse af produktblandinger fra elektrokemisk oxidation af substituerede pyrroler ved hjælp af HPLC-UV-MS

Torben Lund (Oplægsholder)

20 aug. 2002 → 21 aug. 2002

Analyse af resveratrol og anthocyaniner i rødvin ved hjælp af LC-MSⁿ - Kan druetypen bestemmes ud fra en simpel kemisk analyse?

Torben Lund (Foredragsholder)

27 nov. 2008

Applied Organometallic Chemistry (Tidsskrift)

Torben Lund (Redaktør)

1 aug. 2019

Dansk Elektrokemisk Forening (Ekstern organisation)

Torben Lund (Medlem)

1 sep. 2008 → ...

Degradation chemistry of dye sensitized solar cell ruthenium dyes N719 and Z907 dyes

Torben Lund (Foredragsholder)

8 jun. 2009

Degradation chemistry of dye sensitized solar cell ruthenium dyes N719 and Z907 dyes

Torben Lund (Foredragsholder)

19 jun. 2009

Degradation chemistry of dye sensitized solar cell ruthenium dyes N719 and Z907 dyes

Torben Lund (Foredragsholder)

27 aug. 2009

Degradation chemistry of RuLL'(NCS)₂ dyes in dye sensitized solar cells

Torben Lund (Foredragsholder)

21 aug. 2012 → 22 aug. 2012

Degradation chemistry of RuLL'(NCS)₂ dyes in dye sensitized solar cells

Torben Lund (Foredragsholder)

21 aug. 2012

Degradation chemistry of ruthenium dyes in dye sensitized solar cells

Torben Lund (Foredragsholder)

14 jan. 2010

Degradation chemistry of ruthenium dyes in dye sensitized solar cells

Torben Lund (Foredragsholder)

1 sep. 2010

Dye degradation chemistry and stability of Dye Sensitized Solar Cells

Torben Lund (Foredragsholder)

3 okt. 2008

Dye stability and performances of Dye-sensitized solar cells with different nitrogen additives at elevated temperatures – Can sterically hindered pyridines prevent dye degradation?

Torben Lund (Foredragsholder)

23 maj 2010 → 27 maj 2010

Dye stability and performances of Dye-sensitized solar cells with different nitrogen additives at elevated temperatures – Can sterically hindered pyridines prevent dye degradation?

Torben Lund (Foredragsholder)

29 nov. 2010

En undersøgelse af den oxidative nedbrydning af solcellefarvestoffer cis-L-2Ru(NCS)-2 ved hjælp af LC-ESI-MS

Torben Lund (Oplægsholder)

20 aug. 2002 → 21 aug. 2002

Farvestofnedbrydningskemi i Grätzel solcellen

Torben Lund (Foredragsholder)

12 feb. 2010

Farvestofsensibiliserede solceller - en ny spændende type solcelle

Torben Lund (Foredragsholder)

3 mar. 2010

Farvestofsensibiliserede solceller - en ny spændende type solcelle

Torben Lund (Foredragsholder)

7 dec. 2009

Identification of anthocyanin pigments in amphibious plants

Torben Lund (Oplægsholder)

2005

Identifikation af glucuronsyre konjugeret hydroxy-PAH i en marin havbørsteorm ved hjælp af APCI LC/MS

Torben Lund (Oplægsholder)

20 aug. 2002 → 21 aug. 2002

Kinetic studies of the homogeneous coupling reaction between electrochemically generated aromatic radical anions and alkyl radicals

Torben Lund (Oplægsholder)

5 aug. 1998 → 8 aug. 1998

Kinetic studies of the homogeneous coupling reaction between electrochemically generated aromatic radical anions and alkyl radicals

Torben Lund (Oplægsholder)

21 okt. 1998 → 23 okt. 1998

LC/MS detection of amino acids with zero-voltage electrospray

Torben Lund (Foredragsholder)

24 sep. 2009

LC/MS detection of amino acids with zero-voltage electrospray,

Torben Lund (Foredragsholder)

20 aug. 2008

Ph.d. bedømmelsesudvalg (Ekstern organisation)

Torben Lund (Medlem)

8 jun. 2009 → ...

Ph.d. bedømmelsesudvalg (Ekstern organisation)

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30 nov. 2010

Ruthenium complexes. Water and Dye Sensitized Solar Cells.

Torben Lund (Andet), Poul Erik Hansen (Oplægsholder), Jens Josephsen (Andet), Jacob Krake (Andet) & John Mortensen (Andet)

3 jun. 2019 → 7 jun. 2019

Stability of the oxidized form of RuLL'(NCS)₂ dyes in acetonitrile in the presence of water and pyridines – Why the Dye-sensitized solar cell electrolyte should be dry.

Torben Lund (Oplægsholder)

14 okt. 2019

Stability of the oxidized form of RuLL'(NCS)₂ dyes in acetonitrile in the presence of water and pyridines – Why the Dye-sensitized solar cell electrolyte should be dry.

Torben Lund (Oplægsholder)

31 okt. 2019

The role of N-additives in Dye sensitized solar cells

Torben Lund (Foredragsholder)

12 okt. 2012

The role of N-additives in Dye sensitized solar cells

Torben Lund (Foredragsholder)

12 okt. 2012

Uppsala Universitet (Ekstern organisation)

Torben Lund (Medlem)

21 mar. 2013

Presseklip**Energi. Kan Danmark få styr på solens stråler?**

Poul Erik Hansen & Torben Lund

17/02/2013

1 element af Mediedækning

Frølse fra himlen

Torben Lund

08/03/2019

1 element af Mediedækning

Gør det selv-solceller

Torben Lund

12/10/2012

1 element af Mediedækning

Intens jagt på fremtidens solcelle

Torben Lund

02/06/2013

1 element af Mediedækning

Politisk slagsmål om milliarder til trafik

Per Homann Jespersen & Torben Lund

11/12/2012

1 element af Mediedækning

Virksomhed får 9.000 kvadratmeter solceller på taget

Torben Lund

02/03/2023

1 element af Mediedækning