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Publikationer

Simplified Flow Photosynthesis of Deuterium-Labeled Pyocyanin

Lund, T., Krake, J., Hansen, P. E. & Alatrakchi, F. A., 15 nov. 2024, I: Journal of Labelled Compounds and Radiopharmaceuticals. 67, 14, s. 434-440 7 s.

CO₂-udveksling mellem atmosfære og oceaner belyst ud fra en nyfortolkning af Henrys lov

Lund, T., Dissing Jensen, M. E., Ringsgårt, M. & Nielsen, R. B., 2024, I: Dansk Kemi. 105, 6, s. 24-27 4 s.

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.

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.

Kan man flyve uden klimaaftfryk? - og til hvilken pris?

Lund, T., 23 feb. 2021, I: Dansk Kemi.

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.

Isolation, Purification, and Antimicrobial Characterization of Cannabidiolic Acid and Cannabidiol from *Cannabis sativa* L.

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

Direct experimental evidence for the adsorption of 4-*tert*-butylpyridine and 2,2'-bipyridine on TiO₂ surface and their influence on dye-sensitized solar cells' performance

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., 15 apr. 2020, I: Applied Surface Science. 509, 509, 9 s., 144878.

Kan vi stole på varedeklarationerne på cannabisprodukter?

Andersen, E. H., Christensen, M. L., Empacher, S. H., Kamhieh, A. A. & Lund, T., feb. 2020, I: Dansk Kemi. 101, 1, s. 6-8 3 s.

Formation of surface defects by thermal shock method for the improved photocatalytic activity of ZnO nanoparticles
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.

Impacts of copper-containing precursors on the photocatalytic activity of Cu-modified ZnO nanoparticles
Nguyen, T. L., Le, T. K., Lund, T., Nguyen, H. K. H. & Huynh, T. K. X., 2020, I: International Journal of Nanotechnology. 17, 7-10, s. 514-528 15 s.

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
Lund, T., Hansen, P. E., Josephsen, J., Krake, J. & Mortensen, J., 1 sep. 2019, I: Solar Energy. 189, 189, s. 235-243 9 s.

Light-induced electrolyte improvement in cobalt tris(bipyridine)-mediated dye-sensitized solar cells
Gao, J., Yang, W., El-Zohry, A., Prajapati, G. K., Fang, Y., Dai, J., Hao, Y., Leandri, V., Svensson, P., Furo, I., Boschloo, G., Lund, T. & Kloo, L., 1 aug. 2019, I: Journal of Materials Chemistry A. 7, 33, s. 19495-19505 11 s.

Investigation of Tetramorpholinohydroquinone as a Potential Catholyte in a Flow Battery
Drazevic, E., Szabo, C., Konya, D., Lund, T., Wedege, K. & Bentien, A., 17 jun. 2019, I: ACS Applied Energy Materials. 2, 7, s. 4745-4754 10 s.

2,2'-Bipyridine – A new electrolyte additive in dye-sensitized solar cells
Phuong, N. T., Phan, T. A. P., Ngo, N. H. T., Huynh, T. V. & Lund, T., 2018, I: Solid State Ionics. 314, s. 98-102 5 s.

Modification of fluorine-doped tin oxide-electrodes by electrochemical reduction of di(4-nitrophenyl)iodonium tetrafluoroborate - And its application as a photo-anode in dye-sensitized solar cells
Christiansen, C. D., Sørensen, L. A. & Lund, T., 2018, I: Journal of Electroanalytical Chemistry. 809, s. 44-51 8 s.

Application of nitrogen-doped TiO₂ nano-tubes in dye-sensitized solar cells
Tran, V. A., Thinh Troung, T., Pham Phan, T. A., Ngoc Nguyen, T., Huynh, T. V., Agresti, A., Pescetelli, S., Khoa Le, T., Di Carlo, A., Lund, T., Le, S.-N. & Tuyet Nguyen, P., 31 mar. 2017, I: Applied Surface Science. 399, s. 515-522 8 s.

Nicotinic acid as a new co-adsorbent in dye-sensitized solar cells
Nguyen, P. T., Nguyen, V. S., Pham Phan, T. A., Van Le, T. N., My Le, D., Dang Le, D., Tran, V. A., Van Huynh, T. & Lund, T., 2017, I: Applied Surface Science. 392, s. 441-447 7 s.

Thermal degradation chemistry of ruthenium complexes in the dye-sensitized solar cell and strategies for reducing the dark current
Lund, T., 2017. 2 s.

A Reinvestigation of the Ionic Liquid Diisopropylethylammonium Formate by NMR and DFT Methods
Hansen, P. E., Lund, T., Krake, J., Spanget-Larsen, J. & Hvidt, S., 12 okt. 2016, I: The Journal of Physical Chemistry Part B: Condensed Matter, Materials, Surfaces, Interfaces & Biophysical. 120, 43, s. 11279-11286 8 s.

In Vitro Polarized Resonance Raman Study of N719 and N719-TBP in Dye Sensitized Solar Cells

Hassig, S., Jernshøj, K., Phuong, N. T. & Lund, T., 2016, I: Journal of Technology Innovations in Renewable Energy. 5, 1, s. 21-32 12 s.

Electrochemical grafting of TiO₂-based photo-anodes and its effect in dye-sensitized solar cells

Lund, T., Phuong, N. T. & Ruhland, T. G. A., 2015, I: Journal of Electroanalytical Chemistry. 758, s. 85–92

Structure of protic ionic liquids studies by NMR, IR and DFT calculations. An isotope effect study

Hansen, P. E., Lund, T., Krake, J., Hvidt, S. & Spanget-Larsen, J., 2 feb. 2014.

Thermal stability of the DSC ruthenium dye C106 in robust electrolytes

Lund, T., Phuong, N. T., Pechy, P., Zakeeruddin, S. M., Grätzel, M. & Tran, H. M., 2014, I: Solar Energy. 110, s. 96-104 9 s.

Thermal stability of the C106 dye in robust electrolytes.

Lund, T., Phuong, N. T., Pechy, P., Zakeeruddin, S. M. & Grätzel, M., 13 maj 2013.

Differences in the structure of anthocyanins from the two amphibious plants, *Lobelia cardinalis* and *Nesaea crassicaulis*

Mozetic Vodopivec, B., Wang, J., Møller, A. L., Krake, J., Lund, T., Hansen, P. E. & Nielsen, S. L., 2013, I: Natural Product Research. 27, 7, s. 655-664 10 s.

Investigation of the Stability of the Ruthenium-Based Dye (N719) Utilizing the Polarization Properties of Dispersive Raman Modes and/or of the Fluorescent Emission

Hassing, S., Jernshøj, K. D., Phuong, N. T. & Lund, T., 2013, I: The Journal of Physical Chemistry Part C. 117, 45, s. 23500-23506 7 s.

The effect of 4-tert-butylpyridine and Li⁺ on the thermal degradation of TiO₂ - bound ruthenium dye N719

Nguyen, P. T., Hansen, P. E. & Lund, T., 2013, I: Solar Energy. 88, s. 23-30

Farvestofsensibiliserede solceller og farvestofstabilitet

Lund, T., sep. 2012, I: Dansk Kemi. 93, 9, s. 40-42 3 s.

Degradation chemistry of RuLL'(NCS)2 complexes in the Dye-sensitized solar cell

Lund, T., 20 aug. 2012. 10 s.

The effect of 4-tert-butylpyridine and Li⁺ on the thermal degradation of TiO₂ – bound ruthenium dye N719

Phuong, N. T., Hansen, P. E. & Lund, T., 6 maj 2012. 1 s.

Dye-sensitized solar cells and complexes between pyridines and iodines: A NMR, IR and DFT study

Hansen, P. E., Phuong, N. T., Krake, J., Spanget-Larsen, J. & Lund, T., 2012, I: Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy. 98, s. 247-251 5 s.

Dye-sensitized Solar Cells and Complexes between Pyridines and Iodines. A NMR, IR and DFT study

Hansen, P. E., Phuong, N. T., Krake, J., Spanget-Larsen, J. & Lund, T., 2012. 1 s.

Charge Transport and Photocurrent Generation Characteristics in Dye Solar Cells Containing Thermally Degraded N719 Dye Molecules

Andersen, A. R., Halme, J., Lund, T., Asghar, M. I., Phuong, N. T., Miettunen, K., Kemppainen, E. & Albrektsen, O., 2011, I: Journal of Physical Chemistry Part C: Nanomaterials and Interfaces. 115, 31, s. 15598-15606 9 s.

Photovoltaic performance and characteristics of dye sensitized solar cells prepared with the N719 thermal degradation products [Ru(L-H)2(NCS)(4-tert-butylpyridine)]-, +N(Bu)4 and [Ru(L-H)2(NCS)(1-methylbenzimidazole)]-, +N(Bu)4

Phuong, N. T., Xuan Thi Lam, B., Hansen, P. E., Lund, T. & Andersen, A. R., 2011, I: European Journal of Inorganic Chemistry. 2011, 16, s. 2533-2539 7 s.

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

Phuong, N. T., Andersen, A. R., Skou, E. M. & Lund, T., 23 apr. 2010, I: Solar Energy Materials & Solar Cells. 94, 10, s. 1582-1590 9 s.

Are Reactions Between Metal Cyanides and Aryl Diazonium Ions Really Outer-Sphere Electron Transfer Processes?

Klæning, U., Lund, T., Lund, H., Pedersen, S. U. & Daasbjerg, K., 19 apr. 2010, I: Journal of Physical Chemistry Part A: Molecules, Spectroscopy, Kinetics, Environment and General Theory. 114, 24, s. 6575-6585 11 s.

Er der flest antioxidanter i vin eller rødbedesaf?

Mojoska, B., Muszala, L., Ebdrup, L. & Lund, T., 2010, I: Dansk Kemi. 91, 9, s. 24-28 5 s.

The performance of dye sensitized solar cells with 4-tert-butylpyridine and 1-methylbenzimidazole N719 substituted ruthenium dyes as sensitizers

Phuong, N. T., Xuan Thi Lam, B., Rand, A. & Lund, T., 2010.

Degradation chemistry of N719 and Z-907 dyes at elevated temperatures

Lund, T., Nguyen, H. T. & Phuong, N. T., 2009, Catalogue of abstracts. Tallin University of Technology, s. 35 1 s.

Degradation chemistry of N719 and Z-907 dyes at elevated temperatures

Lund, T., Nguyen, H. T. & Phuong, N. T., 2009, *HOPV09 - Hybrid and Organic Photovoltaics Conference: Book of Abstracts*. s. 34 1 s.

Dye degradation chemistry in the Grätzel solar cell –Dye stability of N719 and life time estimations

Lund, T., 2009.

Effect of different additives on thermal stability of dye N719 and performance of Dye-sensitized Solar Cells (DSC)

Nørgaard, K., Lauritzen, H., Lund, T. & Phuong, N. T., 2009.

Regioselectivity in the Reductive Bond Cleavage of Diarylalkylsulfonium Salts: Variation with Driving Force and Structure of Sulfuranyl Radical Intermediates

Kampmeier, J., Mansurul Hoque, A., D. Saeva, F., K. Wedergaerther, D., Thomsen, P., Ullah, S., Krake, J. & Lund, T., 2009, I: Journal of the American Chemical Society. 131, 29, s. 10015-10022 8 s.

The relationship between electrochemical impedance spectra and photovoltaic performance characteristics during the light and thermal ageing of dye-sensitized solar cells

Nguyen, T. H., Mai, H. H. T., Nguyen, P. T. & Lund, T., 2009, I: ECS Transactions. 47, s. 23-32 10 s.

Thiocyanate ligand substitution kinetics of the solar cell dye Z-907 by 3-methoxypropionitrile and 4-tert-butylpyridine at elevated temperatures

Phuong, N. T., Degn, R., Nguyen, T. H. & Lund, T., 2009, I: Solar Energy Materials & Solar Cells. 93, 11, s. 1939-1945 7 s.

Danske rødvine indeholder kun lidt resveratrol

Delcomyn Andersen, H., Cohen, M., Tønning, J., Olsson, K., Lund, T. & Vang, O., 12 sep. 2008, I: Dansk Kemi. 89, 9, s. 51-57

Determination of D/L-amino acids by zero needle voltage electrospray ionization

Budde Sørensen, M., Aaslo, P. H., Egsgaard, H. & Lund, T., 2008, I: Rapid Communications in Mass Spectrometry. 22, 4, s. 455-461 7 s.

Ecdysteroids in female shore crabs *Carcinus maenas* during the moulting cycle and oocyte development

Styrihave, B., Lund, T. & Andersen, O., 2008, I: Journal of the Marine Biological Association of the United Kingdom. 88, 3, s. 575-581 7 s.

LC/MS bestemmelse af aminosyrer med 0 volts elektrospray

Budde Sørensen, M., Aaslo, P. H., Egsgaard, H. & Lund, T., 2008, I: Dansk Kemi. 89, 9, s. 66-71 6 s.

An investigation of the photosubstitution reaction between N719-dyed nanocrystalline TiO₂ particles and 4-*tert*-butylpyridine

Nour-Mohammadi, F., Nguyen, T. H., Boschloo, G. & Lund, T., 2007, I: Journal of Photochemistry and Photobiology, A: Chemistry. 187, 2-3, s. 348-355 8 s.

Thermal Thiocyanate Ligand Substitution Kinetics of the Solar Cell Dye N719 by Acetonitrile, 3-Methoxypropionitrile, and 4-*tert*-Butylpyridine

Nguyen, T. H., Minh, H. & Lund, T., 2007, I: Solar Energy Materials & Solar Cells. 91, 20, s. 1934-1942 9 s.

Effect of cold storage upon eggs of a calanoid copepod *Acartia tonsa* (Dana) and their offspring

Drillet, G., Iversen, M. H., Sørensen, T. F., Ramløv, H., Lund, T. & Hansen, B. W., 2006, I: Aquaculture. 254, 1-4, s. 714-729

Determination of the light-induced degradation rate of the solar cell sensitizer N719 on TiO₂ nanocrystalline particles

Nour-Mohammadi, F., Doan Nguyen, S., Boschloo, G., Hagfeldt, A. & Lund, T., 2005, I: Journal of Physical Chemistry B. 109, 4, s. 22413-22419 7 s.

Effect of cold storage upon eggs of a Calanoid copepod *Acartia tonsa* (Dana) and their offspring

Drillet, G., Iversen, M. H., Sørensen, T. F., Ramløv, H., Lund, T. & Hansen, B. W., 2005.

Oxidative coupling and polymerization of pyrroles: Part I. The electrochemical oxidation of 2,4-dimethyl-3-ethylpyrrole in acetonitrile

Hansen, G. H., Mørck Henriksen, R., Kamounah, F. S., Lund, T. & Hammerich, O., 2005, I: Electrochimica Acta. 50, 25-26, s. 4936-4955 20 s.

Sensitive and selective analysis of coenzyme Q10 in human serum by negative APCI LC-MS

Hansen, G. H., Christensen, P., Tüchsen, E. & Lund, T., 2004, I: Analyst. 129, 1, s. 45-50

Variations in ecdysteroid levels and Cytochrome *p*₄₅₀ expression during moult and reproduction in male shore crabs *Carcinus maenas*

Styrihave, B., Rewitz, K., Lund, T. & Andersen, O., 2004, I: Marine Ecology - Progress Series. 274, s. 215-224 10 s.

Direct determination of rate constants for coupling between aromatic radical anions and alkyl and benzyl radicals by laser-flash photolysis

Lund, T., Christensen, P. & Wilbrandt, R., 2003, I: Organic & Biomolecular Chemistry. 1, s. 1020-1025

Longterm effect of sea-nine on natural coastal phytoplankton communities assessed by pollution induced community tolerance

Larsen, D. K., Wagner, I., Gustavson, K., Forbes, V. E. & Lund, T., 2003, I: Aquatic Toxicology. 62, s. 35-44

Products of the electrochemical oxidation of cis-L2Ru(II)(NCS)2 in Dimethylformamide and acetonitrile determined by LC-UV-MS

Hansen, G., Gervang, B. & Lund, T., 2003, I: Inorganic Chemistry. 42, s. 5545-5550

Identification of 1-hydrozypyrene glucuronide in tissue of marine polychaete *nereis diversicolor* by liquid chromatography/ion trap multiple mass spectrometry

Giessing, A. & Lund, T., 2002, I: Rapid Communications in Mass Spectrometry. 16, s. 1521-1525

Diatom production in the marine environment: implications for larval fish growth and condition

John, M. A. S., Clemmensen, C., Lund, T. & Köster, T., 2001, I: ICES Journal of Marine Science. 58, s. 1106-1113

Industrial development of photoelectrochemical modules

Sørensen, B., Boisen, A., Sørensen, F., Lund, T., West, K., Bezzel Hansen, E., Lauritzen, H. & Wedel, S., 2001. 8 s.

Oxidation potentials of α -Hydroxylalkyl radicals in acetonitrile obtained by photomodulated voltammetry

Lund, T., Wayner, D. D. M., Jonsson, M., Larsen, A. G. & Daasbjerg, K., 2001, I: Journal of the American Chemical Society. 123, s. 12590-12595

Gensidige interaktioner mellem bioturberende infauna og olieforurening: Et sediment forsøg med sandormen Arenicola marina

Banta, G. T., Andersen, O., Holmer, M., Lund, T., Rasmussen, A. D., Forbes, T. L. & Frederiksen, L., 2000, Det 11. Danske Havforskermøde: Abstracts. Roskilde Universitet

New contributions to the chemistry of 2,2-Bis(chlorothio)propanedioic Diesters and Diamides

Hawata, M. A., El-torgoman, A. M., El-Kousy, S. M., Ismail, A. E., Madsen, J. Ø., Søtofte, I., Lund, T. & Senning, A., 2000, I: European Journal of Organic Chemistry. 14, s. 2583-2592

On the determination and use of reduction potentials of short-lived radicals (a review)

Lund, H., Skov, K., Pedersen, S. U., Lund, T. & Daasbjerg, K., 2000, I: Collection of Czechoslovak Chemical Communications. 65, s. 829-843

A comparative product investigation between Grignard reactions of benzophenone and coupling reactions of electrogenerateed benzophenone radical anions and alkyl radicals in THF

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)

Lund, T. & Gervang, B., 1999, I: Dansk Kemi. 80, 5

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

Lund, T. & Jacobsen, K. B., 1998, I: ACTA chemica Scandinavica. 52, s. 778-783

Electron transfer in some nucleophilic reactions

Lund, H., Daasbjerg, K. & Lund, T., 1998, I: Macromolecular Symposia. 134, s. 73-82

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

Pedersen, S. U., Lund, T., Dassbjerg, K., Pop, M., Fussing, I. & Lund, H., 1998, I: ACTA chemica Scandinavica. 52, s. 657-671

Experimental determination of the reorganization energy of the NO₂⁺/NO₂ redox couple: comparison with theory

Lund, T. & Eberson, L., 1997, I: Journal of the Chemical Society. Perkin Transactions 2 (2001). s. 1435-1443

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

Farverig kemi-med aromatiske radikalanner

Lund, T., 1996, I: Dansk Kemi. 5, s. 34-35

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

st. John, M. A. & Lund, T., 1996, I: Marine Ecology - Progress Series. 131, s. 75-85

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

Lund, T., 1996, I: ACTA chemica Scandinavica. 50, s. 64-67

On electron transfer in aliphatic nucleophilic substitution

Lund, H., Daasbjerg, K., Lund, T. & Pedersen, S. U., 1995, I: Accounts of Chemical Research. 28, s. 313

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 fluorenide 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

Lund, T., 1992, I: Chemische Berichte. 125, s. 505-513

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

Lund, T., 1991, I: Tetrahedron Letters. 32, 12, s. 1595-1598

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.

Anvendelse af den Indirekte Elektrokemiske Metode

Lund, T., 1987, Aarhus Universitet.

Indirect Electrochemical Reductions of meso d,l-1,2-Dichloro-1,2-Dipehnylethane.

Lund, T., Pedersen, S. U., Lund, H., Cheung, K. M. & Utley, J. H., 1987, I: Acta Chemica Scandinavica. B41, s. 285

Indirect Electrochemical Reductions of Some Benzyl Chlorides

Lund, T. & Lund, H., 1987, I: Acta Chemica Scandinavica. B41, s. 93-102

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: Acta Chemica Scandinavica. B40, s. 470

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.

Electrochemical Reduction of Furan Derivatives Derived from Biomass

Lund, T. & Lund, H., 1985, I: Acta Chemica Scandinavica. B39, s. 429-435

Indirect Electrochemical Reduction of Unsaturated Alcohols

Lund, T. & Lund, H., 1984, I: Acta Chemica Scandinavica. B38, s. 387-390

Carbon-Carbon Spin-Spin Coupling Constants in Monosubstituted Benzenes
Wray, V., Ernst, L., Lund, T. & Jakobsen, H. J., 1980, I: Journal of Magnetic Resonance. 40, 1, s. 387

Relative signs of ^{13}C -X coupling constants from ^{13}C satellites in ^{13}C NMR spectra
Jakobsen, H. J., Lund, T. & Sørensen, S., feb. 1979, I: Journal of Magnetic Resonance. 33, 2, s. 477-480 4 s.

^{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. (Projektdeltager) & Lund, T. (Projektdeltager)
Det Frie Forskningsråd | Natur og Univers
01/01/2007 → 31/12/2009

DSC New ways to high efficiency Dye-sensitized Solar Cells

Lund, T. (Projektdeltager)
15/09/2013 → ...

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

Lund, T. (Projektdeltager)
Statens Tekniske Videnskabelige Forskningsråd
11/08/2010 → ...

Investigating the role of neurotransmitters in pancreatic development and islet cell function by simultaneous and continuous high-sensitivity neurotransmitter sensing and 4D bioimaging

Agerskov, R. (Projektdeltager), Nyeng, P. (Hovedvejleder), Lund, T. (Bivejleder), Alatraktchi, F. A. (Bivejleder) & Dalgaard, L. T. (Bivejleder)
15/02/2024 → 14/02/2027

Aktiviteter

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

Lund, T. (Oplægsholder)
15 maj 1999 → 29 maj 1999

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

Lund, T. (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?

Lund, T. (Foredragsholder)
27 nov. 2008

Applied Organometallic Chemistry (Tidsskrift)

Lund, T. (Redaktør)
1 aug. 2019

Dansk Elektrokemisk Forening (Ekstern organisation)

Lund, T. (Medlem)
1 sep. 2008 → ...

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

Lund, T. (Foredragsholder)
8 jun. 2009

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

Lund, T. (Foredragsholder)
19 jun. 2009

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

Lund, T. (Foredragsholder)
27 aug. 2009

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

Lund, T. (Foredragsholder)
21 aug. 2012 → 22 aug. 2012

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

Lund, T. (Foredragsholder)
21 aug. 2012

Degradation chemistry of ruthenium dyes in dye sensitized solar cells

Lund, T. (Foredragsholder)
14 jan. 2010

Degradation chemistry of ruthenium dyes in dye sensitized solar cells

Lund, T. (Foredragsholder)
1 sep. 2010

Dye degradation chemistry and stability of Dye Sensitized Solar Cells

Lund, T. (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?**

Lund, T. (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?**

Lund, T. (Foredragsholder)
29 nov. 2010

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

Lund, T. (Oplægsholder)
20 aug. 2002 → 21 aug. 2002

Farvestofnedbrydningskemi i Grätzel solcellen

Lund, T. (Foredragsholder)
12 feb. 2010

Farvestofsensibiliserede solceller - en ny spændende type solcelle

Lund, T. (Foredragsholder)
3 mar. 2010

Farvestofsensibiliserede solceller - en ny spændende type solcelle

Lund, T. (Foredragsholder)

7 dec. 2009

Identification of anthocyanin pigments in amphibious plants

Lund, T. (Oplægsholder)

2005

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

Lund, T. (Oplægsholder)

20 aug. 2002 → 21 aug. 2002

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

Lund, T. (Oplægsholder)

5 aug. 1998 → 8 aug. 1998

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

Lund, T. (Oplægsholder)

21 okt. 1998 → 23 okt. 1998

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

Lund, T. (Foredragsholder)

24 sep. 2009

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

Lund, T. (Foredragsholder)

20 aug. 2008

Ph.d. bedømmelsesudvalg (Ekstern organisation)

Lund, T. (Medlem)

8 jun. 2009 → ...

Ph.d. bedømmelsesudvalg (Ekstern organisation)

Lund, T. (Medlem)

30 nov. 2010

Ruthenium complexes. Water and Dye Sensitized Solar Cells.

Lund, T. (Andet), Hansen, P. E. (Oplægsholder), Josephsen, J. (Andet), Krake, J. (Andet) & Mortensen, J. (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.

Lund, T. (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.

Lund, T. (Oplægsholder)

31 okt. 2019

The role of N-additives in Dye sensitized solar cells

Lund, T. (Foredragsholder)

12 okt. 2012

The role of N-additives in Dye sensitized solar cells
Lund, T. (Foredragsholder)
12 okt. 2012

Uppsala Universitet (Ekstern organisation)
Lund, T. (Medlem)
21 mar. 2013

Presseklip

Energi. Kan Danmark få styr på solens stråler?
Hansen, P. E. & Lund, T.
17/02/2013
1 element af Mediedækning

Frelse fra himlen

Lund, T.
08/03/2019
1 element af Mediedækning

Gør det selv-solceller

Lund, T.
12/10/2012
1 element af Mediedækning

Intens jagt på fremtidens solcelle

Lund, T.
02/06/2013
1 element af Mediedækning

Politisk slagsmål om milliarder til trafik

Jespersen, P. H. & Lund, T.
11/12/2012
1 element af Mediedækning

Virksomhed får 9.000 kvadratmeter solceller på taget

Lund, T.
02/03/2023
1 element af Mediedækning