# Torben Lund

List of Publications by Year
in descending order



| 62 | 1,548 | 304743 | 330143 |
|---|---|---|---|
| papers | citations | 22 h-index | 37 g-index |

| 63 | 63 | 63 | 1636 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | On Electron Transfer in Aliphatic Nucleophilic Substitution. Accounts of Chemical Research, 1995, 28, 313-319. | 15.6 | 110 |
| 2 | Lipid biomarkers:linking the utilization of frontal plankton biomass to enhanced condition of juvenile North Sea cod. Marine Ecology - Progress Series, 1996, 131, 75-85. | 1.9 | 110 |
| 3 | Thiocyanate ligand substitution kinetics of the solar cell dye Z-907 by 3-methoxypropionitrile and 4-tert-butylpyridine at elevated temperatures. Solar Energy Materials and Solar Cells, 2009, 93, 1939-1945. | 6.2 | 87 |
| 4 | Effect of cold storage upon eggs of a calanoid copepod, Acartia tonsa (Dana) and their offspring. Aquaculture, 2006, 254, 714-729. | 3.5 | 83 |
| 5 | Thermal thiocyanate ligand substitution kinetics of the solar cell dye N719 by acetonitrile, 3-methoxypropionitrile, and 4-tert-butylpyridine. Solar Energy Materials and Solar Cells, 2007, 91, 1934-1942. | 6.2 | 82 |
| 6 | Dye stability and performances of dye-sensitized solar cells with different nitrogen additives at elevated temperaturesâ€"Can sterically hindered pyridines prevent dye degradation?. Solar Energy Materials and Solar Cells, 2010, 94, 1582-1590. | 6.2 | 67 |
| 7 | Determination of the Light-Induced Degradation Rate of the Solar Cell SensitizerN719on TiO2Nanocrystalline Particles. Journal of Physical Chemistry B, 2005, 109, 22413-22419. | 2.6 | 56 |
| 8 | Application of nitrogen-doped TiO2 nano-tubes in dye-sensitized solar cells. Applied Surface Science, 2017, 399, 515-522. | 6.1 | 56 |
| 9 | Single Electron Transfer as Rate-Determining Step in an Aliphatic Nucleophilic Substitution.. Acta Chemica Scandinavica, 1986, 40b, 470-485. | 0.7 | 56 |
| 10 | Oxidation Potentials of Î±-Hydroxyalkyl Radicals in Acetonitrile Obtained by Photomodulated Voltammetry. Journal of the American Chemical Society, 2001, 123, 12590-12595. | 13.7 | 53 |
| 11 | Diatom production in the marine environment: implications for larval fish growth and condition. ICES Journal of Marine Science, 2001, 58, 1106-1113. | 2.5 | 51 |
| 12 | Sensitive and selective analysis of coenzyme Q10in human serum by negative APCI LC-MS. Analyst, The, 2004, 129, 45-50. | 3.5 | 48 |
| 13 | Charge Transport and Photocurrent Generation Characteristics in Dye Solar Cells Containing Thermally Degraded N719 Dye Molecules. Journal of Physical Chemistry C, 2011, 115, 15598-15606. | 3.1 | 39 |
| 14 | Photovoltaic Performance and Characteristics of Dyeâ€Sensitized Solar Cells Prepared with the N719 Thermal Degradation Products [Ru(LH)<sub>2</sub>(NCS)(4â€tertâ€butylpyridine)][N(Bu)<sub>4</sub>] and [Ru(LH)<sub>2</sub>(NCS)(1â€methylbenzimidazole)][N(Bu)<sub>4</sub>]. European Journal of Inorganic Chemistry, 2011, 2011, 2533-2539. | 2.0 | 35 |
| 15 | Kinetic Studies of the Homogeneous Coupling Reaction between Electrochemically Generated Aromatic Radical Anions and Alkyl Radicals.. Acta Chemica Scandinavica, 1998, 52, 657-671. | 0.7 | 35 |
| 16 | Indirect Electrochemical Reduction of Some Benzyl Chlorides.. Acta Chemica Scandinavica, 1987, 41b, 93-102. | 0.7 | 33 |
| 17 | Experimental Evaluation of the VBCM Model for Nucleophilic Substitutions.. Acta Chemica Scandinavica, 1988, 42b, 269-279. | 0.7 | 30 |
| 18 | An investigation of the photosubstitution reaction between N719-dyed nanocrystalline TiO2 particles and 4-tert-butylpyridine. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 187, 348-355. | 3.9 | 27 |

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|---|---|---|---|
| 19 | Homogeneous Rate Constants for Coupling between Electrochemically Generated Aromatic Anion Radicals and Alkyl Radicals.. Acta Chemica Scandinavica, 1991, 45, 397-402. | 0.7 | 26 |
| 20 | Single electron-transfer as rate-determining step in an aliphatic nucleophilic substitution. Tetrahedron Letters, 1986, 27, 95-98. | 1.4 | 24 |
| 21 | Long-term effect of Sea-Nine on natural coastal phytoplankton communities assessed by pollution induced community tolerance. Aquatic Toxicology, 2003, 62, 35-44. | 4.0 | 24 |
| 22 | Identification of 1-hydroxypyrene glucuronide in tissue of marine polychaeteNereis diversicolor by liquid chromatography/ion trap multiple mass spectrometry. Rapid Communications in Mass Spectrometry, 2002, 16, 1521-1525. | 1.5 | 22 |
| 23 | Ecdysteroids in female shore crabs Carcinus maenas during the moulting cycle and oocyte development. Journal of the Marine Biological Association of the United Kingdom, 2008, 88, 575-581. | 0.8 | 21 |
| 24 | Investigation of Tetramorpholinohydroquinone as a Potential Catholyte in a Flow Battery. ACS Applied Energy Materials, 2019, 2, 4745-4754. | 5.1 | 21 |
| 25 | Regioselectivity in the Reductive Bond Cleavage of Diarylalkylsulfonium Salts: Variation with Driving Force and Structure of Sulfuranyl Radical Intermediates. Journal of the American Chemical Society, 2009, 131, 10015-10022. | 13.7 | 20 |
| 26 | Determination of D/Lâ€amino acids by zero needle voltage electrospray ionisation. Rapid Communications in Mass Spectrometry, 2008, 22, 455-461. | 1.5 | 18 |
| 27 | Thermal stability of the DSC ruthenium dye C106 in robust electrolytes. Solar Energy, 2014, 110, 96-104. | 6.1 | 18 |
| 28 | On the stereoisomerization of radicals during aliphatic nucleophilic substitutions. Tetrahedron Letters, 1989, 30, 493-496. | 1.4 | 16 |
| 29 | Products of the Electrochemical Oxidation ofcis-L2Ru(II)(NCS)2in Dimethylformamide and Acetonitrile Determined by LC-UV/Vis-MS. Inorganic Chemistry, 2003, 42, 5545-5550. | 4.0 | 15 |
| 30 | Nicotinic acid as a new co-adsorbent in dye-sensitized solar cells. Applied Surface Science, 2017, 392, 441-447. | 6.1 | 15 |
| 31 | The effect of 4-tert-butylpyridine and Li+ on the thermal degradation of TiO2-bound ruthenium dye N719. Solar Energy, 2013, 88, 23-30. | 6.1 | 14 |
| 32 | Indirect Electrochemical Reduction of meso- and d,l-1,2-Dichloro-1,2-diphenylethane.. Acta Chemica Scandinavica, 1987, 41b, 285-290. | 0.7 | 14 |
| 33 | Direct determination of rate constants for coupling between aromatic radical anions and alkyl and benzyl radicals by laser-flash photolysis. Organic and Biomolecular Chemistry, 2003, 1, 1020-1025. | 2.8 | 13 |
| 34 | Oxidative coupling and polymerization of pyrroles. Electrochimica Acta, 2005, 50, 4936-4955. | 5.2 | 13 |
| 35 | 2,2â€²-Bipyridine â€“ A new electrolyte additive in dye-sensitized solar cells. Solid State Ionics, 2018, 314, 98-102. | 2.7 | 13 |
| 36 | Electrochemical grafting of TiO2-based photo-anodes and its effect in dye-sensitized solar cells. Journal of Electroanalytical Chemistry, 2015, 758, 85-92. | 3.8 | 12 |

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|---|---|---|---|
| 37 | Electrochemical Reduction of Furan Derivatives Derived from Biomass.. Acta Chemica Scandinavica, 1985, 39b, 429-435. | 0.7 | 12 |
| 38 | Measurements of standard potentials for nucleophiles by fast cyclic voltammetry. Journal of Electroanalytical Chemistry, 1993, 362, 109-118. | 3.8 | 11 |
| 39 | Dye-sensitized solar cells and complexes between pyridines and iodines. A NMR, IR and DFT study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 98, 247-251. | 3.9 | 11 |
| 40 | A Reinvestigation of the Ionic Liquid Diisopropylethylammonium Formate by NMR and DFT Methods. Journal of Physical Chemistry B, 2016, 120, 11279-11286. | 2.6 | 11 |
| 41 | Indirect Electrochemical Reduction of Unsaturated Alcohols.. Acta Chemica Scandinavica, 1984, 38b, 387-390. | 0.7 | 10 |
| 42 | Direct experimental evidence for the adsorption of 4-tert-butylpyridine and 2,2â€²-bipyridine on TiO2 surface and their influence on dye-sensitized solar cellsâ€™ performance. Applied Surface Science, 2020, 509, 144878. | 6.1 | 9 |
| 43 | Reductive Transformations, 16<sup>[1]</sup> Electron Transfer and Regioselectivity in the Alkylation of a Hydrocarbon Monoâ€•and Dianion. Chemische Berichte, 1992, 125, 505-513. | 0.2 | 8 |
| 44 | Experimental determination of the reorganization energy of the NO2+/NO2 redox couple. Comparison with theory. Journal of the Chemical Society Perkin Transactions II, 1997, , 1435-1444. | 0.9 | 8 |
| 45 | Debromination of Meso- and (+-)-1,2-Dibromo-1,2-diphenylethane by 9-Substituted Fluorenide Ions. Correlation between Stereochemical Results and Redox Potentials.. Acta Chemica Scandinavica, 1993, 47, 877-884. | 0.7 | 8 |
| 46 | The Competition between Cross-coupling and the Exchange Reaction in the Photoreduction of Aromatic Ketones.. Acta Chemica Scandinavica, 1995, 49, 755-761. | 0.7 | 8 |
| 47 | A Comparative Product Investigation between Grignard Reactions of Benzophenone and Coupling Reactions of Electrogenerated Benzophenone Radical Anions and Alkyl Radicals in THF.. Acta Chemica Scandinavica, 1999, 53, 932-937. | 0.7 | 8 |
| 48 | Does the reaction between fluorenone and grignard reagents involve free fluorenone anion radicals?. Tetrahedron Letters, 1994, 35, 9225-9226. | 1.4 | 7 |
| 49 | On the Determination and Use of Reduction Potentials of Short-Lived Radicals. A Review. Collection of Czechoslovak Chemical Communications, 2000, 65, 829-843. | 1.0 | 6 |
| 50 | Investigation of the Stability of the Ruthenium-Based Dye (N719) Utilizing the Polarization Properties of Dispersive Raman Modes and/or of the Fluorescent Emission. Journal of Physical Chemistry C, 2013, 117, 23500-23506. | 3.1 | 6 |
| 51 | Electron Transfer Reactions in Organic Chemistry. XVII. Kinetics of the Reduction of Carbon Tetrachloride and 1-Bromo-1-chloro-2,2,2-trifluoroethane by Electrochemically Generated Radical Anions.. Acta Chemica Scandinavica, 1989, 43, 101-102. | 0.7 | 6 |
| 52 | Electron transfer in some nucleophilic reactions. Macromolecular Symposia, 1998, 134, 73-82. | 0.7 | 5 |
| 53 | Are Reactions Between Metal Cyanides and Aryl Diazonium Ions Really Outer-Sphere Electron Transfer Processes?. Journal of Physical Chemistry A, 2010, 114, 6575-6585. | 2.5 | 5 |
| 54 | 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. Journal of Electroanalytical Chemistry, 2018, 809, 44-51. | 3.8 | 5 |

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|---|---|---|---|
| 55 | On the Reaction between Alkyl Halides and Dianions of Aromatic Compounds.. Acta Chemica Scandinavica, 1991, 45, 655-658. | 0.7 | 5 |
| 56 | Rate of homogeneous electron-transfer in self-exchange reactions of methylviologen. Tetrahedron Letters, 1987, 28, 5335-5338. | 1.4 | 4 |
| 57 | Differences in the structure of anthocyanins from the two amphibious plants, Lobelia cardinalis and Nesaea crassicaulis. Natural Product Research, 2013, 27, 655-664. | 1.8 | 4 |
| 58 | Complete Inversion of Configuration in Aliphatic Nucleophilic Substitution Reactions with Small Inner-Sphere Stabilization.. Acta Chemica Scandinavica, 1998, 52, 778-783. | 0.7 | 4 |
| 59 | Photoinduced Alkylation of Anthracene by Butyltriphenylborate Ion. A Comparison between Products from the Photochemical and Electrochemical Butylation of Anthracene.. Acta Chemica Scandinavica, 1996, 50, 64-67. | 0.7 | 4 |
| 60 | Correlation between inner-sphere stabilization and stereochemistry for the aliphatic nucleophilic substitution.. Tetrahedron Letters, 1991, 32, 1595-1598. | 1.4 | 3 |
| 61 | Stability of the oxidized form of RuLLâ€²(NCS)2 dyes in acetonitrile in the presence of water and pyridines â€“ Why the dye-sensitized solar cell electrolyte should be dry. Solar Energy, 2019, 189, 235-243. | 6.1 | 2 |
| 62 | New Contributions to the Chemistry of 2,2-Bis(chlorothio)propanedioic Diesters and Diamides. European Journal of Organic Chemistry, 2000, 2000, 2583-2592. | 2.4 | 1 |