

Torben Lund

List of Publications by Year in descending order

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304743

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citing authors

#	ARTICLE	IF	CITATIONS
1	Direct experimental evidence for the adsorption of 4-tert-butylpyridine and 2,2'-bipyridine on TiO ₂ surface and their influence on dye-sensitized solar cells'™ performance. Applied Surface Science, 2020, 509, 144878.	6.1	9
2	Stability of the oxidized form of Ru(II)(NCS) ₂ dyes in acetonitrile in the presence of water and pyridines – Why the dye-sensitized solar cell electrolyte should be dry. Solar Energy, 2019, 189, 235-243.	6.1	2
3	Investigation of Tetramorpholinohydroquinone as a Potential Catholyte in a Flow Battery. ACS Applied Energy Materials, 2019, 2, 4745-4754.	5.1	21
4	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
5	2,2'-Bipyridine – A new electrolyte additive in dye-sensitized solar cells. Solid State Ionics, 2018, 314, 98-102.	2.7	13
6	Application of nitrogen-doped TiO ₂ nano-tubes in dye-sensitized solar cells. Applied Surface Science, 2017, 399, 515-522.	6.1	56
7	Nicotinic acid as a new co-adsorbent in dye-sensitized solar cells. Applied Surface Science, 2017, 392, 441-447.	6.1	15
8	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
9	Electrochemical grafting of TiO ₂ -based photo-anodes and its effect in dye-sensitized solar cells. Journal of Electroanalytical Chemistry, 2015, 758, 85-92.	3.8	12
10	Thermal stability of the DSC ruthenium dye C106 in robust electrolytes. Solar Energy, 2014, 110, 96-104.	6.1	18
11	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
12	The effect of 4-tert-butylpyridine and Li ⁺ on the thermal degradation of TiO ₂ -bound ruthenium dye N719. Solar Energy, 2013, 88, 23-30.	6.1	14
13	Differences in the structure of anthocyanins from the two amphibious plants, <i>Lobelia cardinalis</i> and <i>Nesaea crassicaulis</i> . Natural Product Research, 2013, 27, 655-664.	1.8	4
14	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
15	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
16	Photovoltaic Performance and Characteristics of Dye-Sensitized Solar Cells Prepared with the N719 Thermal Degradation Products [Ru(LH) ₂ (NCS)(4-tert-butylpyridine)][N(Bu) ₄] and [Ru(LH) ₂ (NCS)(1-methylbenzimidazole)][N(Bu) ₄]. European Journal of Inorganic Chemistry, 2011, 2011, 2533-2539.	2.0	35
17	Dye stability and performances of dye-sensitized solar cells with different nitrogen additives at elevated temperatures – Can sterically hindered pyridines prevent dye degradation?. Solar Energy Materials and Solar Cells, 2010, 94, 1582-1590.	6.2	67
18	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

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19	Thiocyanate ligand substitution kinetics of the solar cell dye Z-907 by 3-methoxypropionitrile and 4-tert-butylpyridine at elevated temperatures. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 1939-1945.	6.2	87
20	Regioselectivity in the Reductive Bond Cleavage of Diarylalkylsulfonium Salts: Variation with Driving Force and Structure of Sulfuranyl Radical Intermediates. <i>Journal of the American Chemical Society</i> , 2009, 131, 10015-10022.	13.7	20
21	Determination of D/L- α -amino acids by zero needle voltage electrospray ionisation. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 455-461.	1.5	18
22	Ecdysteroids in female shore crabs <i>Carcinus maenas</i> during the moulting cycle and oocyte development. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2008, 88, 575-581.	0.8	21
23	Thermal thiocyanate ligand substitution kinetics of the solar cell dye N719 by acetonitrile, 3-methoxypropionitrile, and 4-tert-butylpyridine. <i>Solar Energy Materials and Solar Cells</i> , 2007, 91, 1934-1942.	6.2	82
24	An investigation of the photosubstitution reaction between N719-dyed nanocrystalline TiO ₂ particles and 4-tert-butylpyridine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 187, 348-355.	3.9	27
25	Effect of cold storage upon eggs of a calanoid copepod, <i>Acartia tonsa</i> (Dana) and their offspring. <i>Aquaculture</i> , 2006, 254, 714-729.	3.5	83
26	Oxidative coupling and polymerization of pyrroles. <i>Electrochimica Acta</i> , 2005, 50, 4936-4955.	5.2	13
27	Determination of the Light-Induced Degradation Rate of the Solar Cell Sensitizer N719 on TiO ₂ Nanocrystalline Particles. <i>Journal of Physical Chemistry B</i> , 2005, 109, 22413-22419.	2.6	56
28	Sensitive and selective analysis of coenzyme Q10 in human serum by negative APCI LC-MS. <i>Analyst</i> , The, 2004, 129, 45-50.	3.5	48
29	Products of the Electrochemical Oxidation of <i>cis</i> -L ₂ Ru(II)(NCS) ₂ in Dimethylformamide and Acetonitrile Determined by LC-UV/Vis-MS. <i>Inorganic Chemistry</i> , 2003, 42, 5545-5550.	4.0	15
30	Long-term effect of Sea-Nine on natural coastal phytoplankton communities assessed by pollution induced community tolerance. <i>Aquatic Toxicology</i> , 2003, 62, 35-44.	4.0	24
31	Direct determination of rate constants for coupling between aromatic radical anions and alkyl and benzyl radicals by laser-flash photolysis. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1020-1025.	2.8	13
32	Identification of 1-hydroxypyrene glucuronide in tissue of marine polychaete <i>Nereis diversicolor</i> by liquid chromatography/ion trap multiple mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 1521-1525.	1.5	22
33	Oxidation Potentials of α -Hydroxyalkyl Radicals in Acetonitrile Obtained by Photomodulated Voltammetry. <i>Journal of the American Chemical Society</i> , 2001, 123, 12590-12595.	13.7	53
34	Diatom production in the marine environment: implications for larval fish growth and condition. <i>ICES Journal of Marine Science</i> , 2001, 58, 1106-1113.	2.5	51
35	On the Determination and Use of Reduction Potentials of Short-Lived Radicals. A Review. <i>Collection of Czechoslovak Chemical Communications</i> , 2000, 65, 829-843.	1.0	6
36	New Contributions to the Chemistry of 2,2-Bis(chlorothio)propanedioic Diesters and Diamides. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 2583-2592.	2.4	1

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37	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
38	Electron transfer in some nucleophilic reactions. Macromolecular Symposia, 1998, 134, 73-82.	0.7	5
39	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
40	Complete Inversion of Configuration in Aliphatic Nucleophilic Substitution Reactions with Small Inner-Sphere Stabilization.. Acta Chemica Scandinavica, 1998, 52, 778-783.	0.7	4
41	Experimental determination of the reorganization energy of the NO ₂ ⁺ /NO ₂ redox couple. Comparison with theory. Journal of the Chemical Society Perkin Transactions II, 1997, , 1435-1444.	0.9	8
42	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
43	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
44	On Electron Transfer in Aliphatic Nucleophilic Substitution. Accounts of Chemical Research, 1995, 28, 313-319.	15.6	110
45	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
46	Does the reaction between fluorenone and grignard reagents involve free fluorenone anion radicals?. Tetrahedron Letters, 1994, 35, 9225-9226.	1.4	7
47	Measurements of standard potentials for nucleophiles by fast cyclic voltammetry. Journal of Electroanalytical Chemistry, 1993, 362, 109-118.	3.8	11
48	Debromination of Meso- and (+-)-1,2-Dibromo-1,2-diphenylethane by 9-Substituted Fluorenone Ions. Correlation between Stereochemical Results and Redox Potentials.. Acta Chemica Scandinavica, 1993, 47, 877-884.	0.7	8
49	Reductive Transformations, 16 ^{<sup>[1]</sup>} Electron Transfer and Regioselectivity in the Alkylation of a Hydrocarbon Mono [•] and Dianion. Chemische Berichte, 1992, 125, 505-513.	0.2	8
50	Correlation between inner-sphere stabilization and stereochemistry for the aliphatic nucleophilic substitution.. Tetrahedron Letters, 1991, 32, 1595-1598.	1.4	3
51	Homogeneous Rate Constants for Coupling between Electrochemically Generated Aromatic Anion Radicals and Alkyl Radicals.. Acta Chemica Scandinavica, 1991, 45, 397-402.	0.7	26
52	On the Reaction between Alkyl Halides and Dianions of Aromatic Compounds.. Acta Chemica Scandinavica, 1991, 45, 655-658.	0.7	5
53	On the stereoisomerization of radicals during aliphatic nucleophilic substitutions. Tetrahedron Letters, 1989, 30, 493-496.	1.4	16
54	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

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55	Experimental Evaluation of the VBCM Model for Nucleophilic Substitutions.. Acta Chemica Scandinavica, 1988, 42b, 269-279.	0.7	30
56	Rate of homogeneous electron-transfer in self-exchange reactions of methylviologen. Tetrahedron Letters, 1987, 28, 5335-5338.	1.4	4
57	Indirect Electrochemical Reduction of Some Benzyl Chlorides.. Acta Chemica Scandinavica, 1987, 41b, 93-102.	0.7	33
58	Indirect Electrochemical Reduction of meso- and d,l-1,2-Dichloro-1,2-diphenylethane.. Acta Chemica Scandinavica, 1987, 41b, 285-290.	0.7	14
59	Single electron-transfer as rate-determining step in an aliphatic nucleophilic substitution. Tetrahedron Letters, 1986, 27, 95-98.	1.4	24
60	Single Electron Transfer as Rate-Determining Step in an Aliphatic Nucleophilic Substitution.. Acta Chemica Scandinavica, 1986, 40b, 470-485.	0.7	56
61	Electrochemical Reduction of Furan Derivatives Derived from Biomass.. Acta Chemica Scandinavica, 1985, 39b, 429-435.	0.7	12
62	Indirect Electrochemical Reduction of Unsaturated Alcohols.. Acta Chemica Scandinavica, 1984, 38b, 387-390.	0.7	10