

JOURNAL OF THE CHEMICAL SOCIETY

Perkin Transactions 2

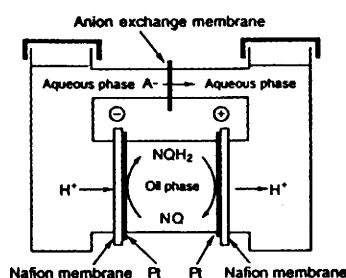
Physical Organic Chemistry

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Perkin Communications

1949 A novel electrochemical proton pump

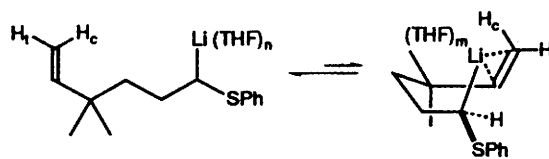
Michio Matsumura, Masahiro Nohara and Teruhisa Ohno



Protons were electrochemically transported through the redox reactions of a hydrophobic quinone compound (vitamin K₃) dissolved in the oil phase

1953 Direct observation of an internally π -complexed alkenyllithium compound in THF solution

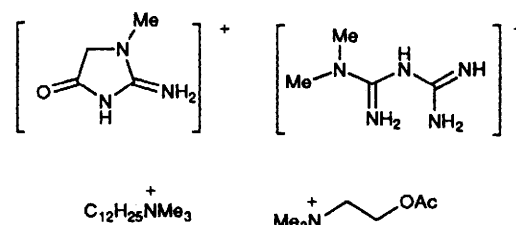
Thomas Rölle and Reinhard W. Hoffmann



Articles

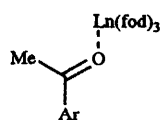
1955 Selective sensing of guanidinium and tetraalkylammonium ions using lipophilic cyclodextrins

Patricia M. Kelly, Ritu Katakya, David Parker and Antonio F. Patti



- 1965 **Conformational analysis. Part 24. A lanthanide-induced-shift (LIS) NMR investigation of aromatic ketones. Lutetium versus lanthanum reagents in probing diamagnetic complexation shifts**

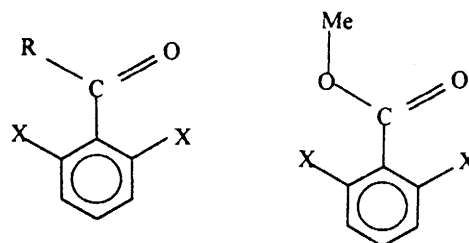
Fernando Sancassan, Giovanni Petrillo and Raymond J. Abraham



The use of $\text{Lu}(\text{fod})_3$ rather than $\text{La}(\text{fod})_3$ to simulate diamagnetic complexation contributions to the shifts induced by $\text{Yb}(\text{fod})_3$ is found to yield more definite conformational solutions for some aromatic ketones

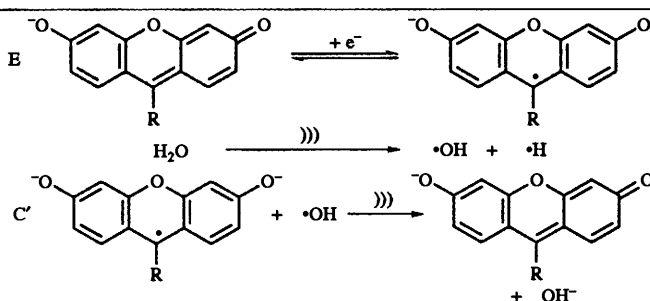
- 1973 **Conformational analysis. Part 25. The evaluation of molecular geometries by the lanthanide induced shift (LIS) technique**

Raymond J. Abraham, Simone Angiolini, Mark Edgar and Fernando Sancassan



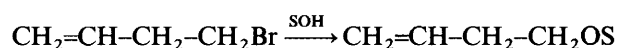
- 1981 **Organic sonoelectrochemistry. Reduction of fluorescein in the presence of 20 kHz power ultrasound: an EC' reaction**

John C. Eklund, David N. Waller, Thomas O. Rebbitt, Frank Marken and Richard G. Compton



- 1985 **A study of the mechanism of solvolysis of but-3-enyl bromide (4-bromobut-1-ene) using the extended (two-term) Grunwald-Winstein equation**

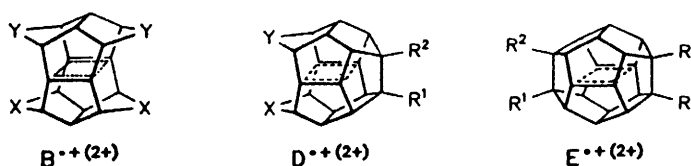
Dennis N. Kevill and Mohamad H. Abduljaber



$\log(k/k_0) = 0.99 N_T + 0.46 Y_{\text{Br}} + 0.10 (R = 0.987) S_{\text{N}2}$, except in solvents of very high ionizing power

- 1991 **Electrochemical oxidation of [1.1.1]pagodanes, bisseco-, seco- and dodecahedra(di)enes: stability of caged 4c/3e radical cations and 4c/2e dication**

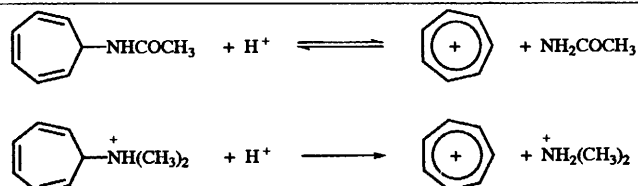
Klaus Weber, Georg Lutz, Lothar Knothe, John Mortensen, Jürgen Heinze and Horst Prinzbach



Electrochemical oxidations: 4c/3e radical cations and 4c/2e dications

- 1999 **Detropylations of *N,N*-dimethyltropylium and *N*-tropylium acetamide**

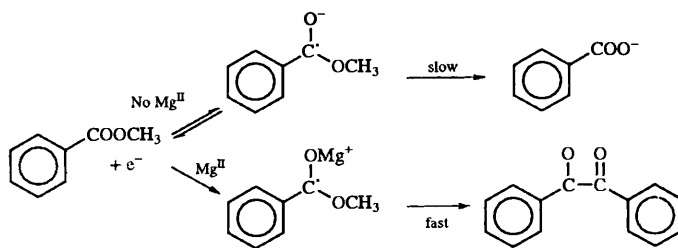
Josefina Palou, Peter M. Robinson and C. Ian F. Watt



Rates and equilibrium constants have been measured for these reactions in aqueous acid media; general acid catalysis has been detected in the decomposition of the amide

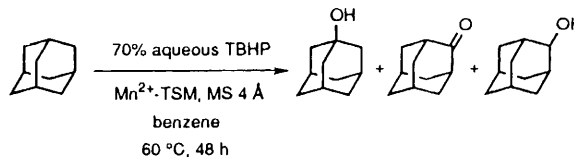
- 2005 **Influence of magnesium(II) ions on cathodic reactions in aprotic solvents: the reduction of benzoate esters**

Derek Pletcher and Louise Slevin



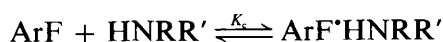
- 2013 **Cation-exchanged fluorotetrasilicic mica (M^{n+} -TSM; $\text{M}^{n+} = \text{Mn}^{2+}$, Cr^{3+} , Co^{2+} and Cu^{2+})-catalysed oxidation of alkanes with *tert*-butyl hydroperoxide**

Jun-ichi Tateiwa, Hiroki Horiuchi and Sakae Uemura



- 2019 **Interactions between amines and aromatic fluoro derivatives. ^{19}F NMR investigation in $[\text{}^2\text{H}_8]$ toluene**

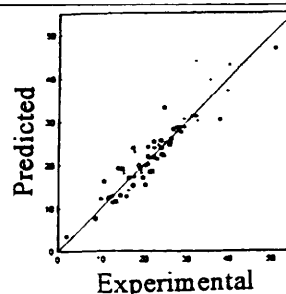
Luciano Forlani and Elisabetta Mezzina



The apparent stability constants for these complexes (K_c) are reported

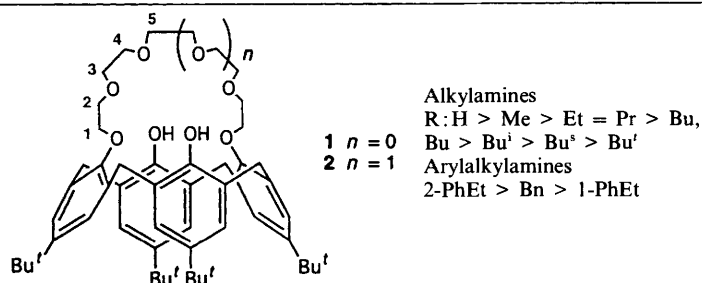
- 2023 **Quantitative structure–sublimation enthalpy relationship studied by neural networks, theoretical crystal packing calculations and multilinear regression analysis**

Michael H. Charlton, Robert Docherty and Michael G. Hutchings



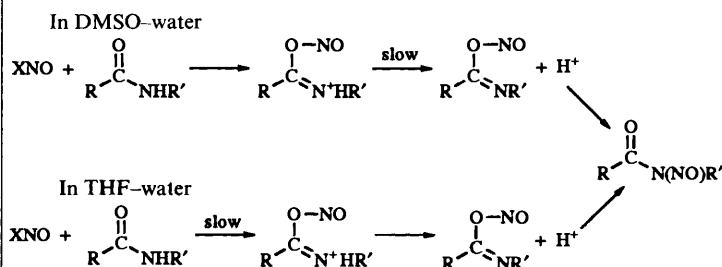
- 2031 **Molecular recognition of alkyl- and arylalkyl-amines in dichloromethane and chloroform by calix[4]-crown ethers**

Yeon Eui Jung, Byeung Mun Song and Suk-Kyu Chang



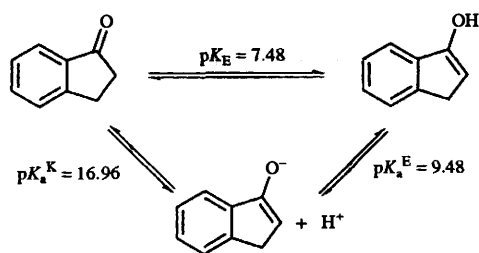
- 2035 **Solvent-induced changes in nitrosation mechanisms. Part 3. The effects of tetrahydrofuran–water and dimethyl sulfoxide–water mixtures on the nitrosation of ureas**

P. Hervés and J. R. Leis



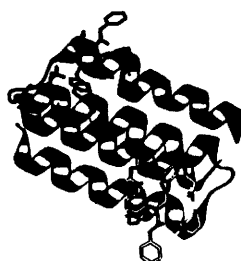
2041 Characterization of the indan-1-one keto-enol system

Elizabeth A. Jefferson, James R. Keeffe and A. Jerry Kresge



2047 Design, synthesis and solution structure of a helix-loop-helix dimer—a template for the rational design of catalytically active polypeptides

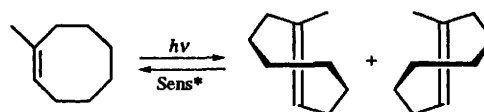
Susanne Olofsson, Gunnar Johansson and Lars Baltzer



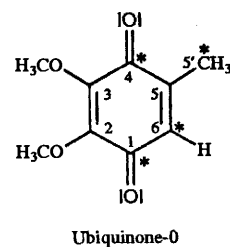
A design polypeptide folds into a helix-loop-helix motif that dimerises

2057 Enantiodifferentiating photoisomerization of 1-methylcyclooct-1-ene sensitized by chiral alkyl benzenecarboxylates: steric effects upon stereodifferentiation

Hiroshi Tsuneishi, Tadao Hakushi, Akira Tai and Yoshihisa Inoue

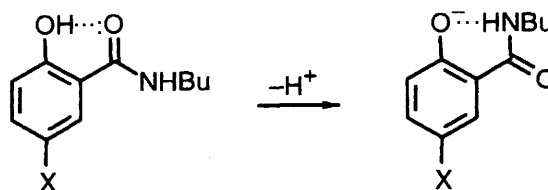
2063 ENDOR and EPR studies of highly isotopically ¹³C-enriched ubiquinone radicals. Part 2

Rimma I. Samoilova, Nina P. Gritsan, Arnold J. Hoff, Willem B. S. van Liemt, Johan Lugtenburg, Andrey P. Spoyalov and Yuri D. Tsvetkov



2069 Exceptional active site H-bonding in enzymes? Significance of the 'oxyanion hole' in the serine proteases from a model study

William L. Mock and Dave C. Y. Chua

Strength of hydrogen bonding from NHBu to ArO⁻ depends informatively upon substituent X

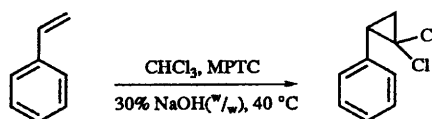
2075 Hydrogen-bond basicity of thioamides and thioureas

Christian Laurence, Michel Berthelot, Jean-Yves Le Questel and Mohamed J. El Ghomari

The thiourea iminologue Me₂NC(Me)=NCSNMe₂ reaches the highest basicity in thiocarbonyl bases on the pK_{HB} scale

2081 **New 'multi-site' phase transfer catalyst for the addition of dichlorocarbene to styrene**

Thayilekannu Balakrishnan and J. Paul Jayachandran



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NOTE: An asterisk in the heading of each paper indicates the author who is to receive any correspondence.