

# Scientific and Technical Publications

## Michael Brand

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### **A survey of concepts/techniques for sensing oxygen in aircraft oxygen-generating systems**

M.J.D. Brand *et al*

Report SAM-TR-79-33, USAF School of Aerospace Medicine (1979)

### **Conductimetric gas sensor for carbon dioxide**

H.A. Himpler, S. F. Brand, and M. J. D. Brand

Anal. Chem. 1978, 50, 12, 1623–1627

### **Measurement of sodium in albumin solutions with ion-selective electrodes**

Mysore S. Mohan, Roger G. Bates, John M. Hiller and Michael J. Brand

Clinical Chemistry, Vol 24, 580 (1978)

### **Activity and Interference Effects in Measurement of Ionized Calcium with Ion- Selective Electrodes**

Joseph M. Grima and Michael J. D. Brand

Clinical Chemistry, Vol 23, 2048 (1977)

### **Dynamic response of a pCO<sub>2</sub> electrode**

S.J.Pace and M.J.D. Brand

Blood pH, Gases and Electrolytes, NBS Special Publication 450 (1977) p227

### **Electrolyte activities in human blood plasma**

M.J.D. Brand and W.J. Scott

Blood pH, Gases and Electrolytes, NBS Special Publication 450 (1977) p301

### **Apparatus and method of fluid sample analysis**

Donald A. Burns, Michael J. Brand and Alexander M. Saunders

US Patent 4,049,381

### **A general method for the solution of polynomial equations in H<sup>+</sup> ion concentration**

M. J. D. Brand

J. Chem. Educ. 1976, 53, 12, 771

### **Apparatus and method for measurement of total volume of particles in a liquid sample**

Morris H Shamos, Michael J Brand and William J Calogero

US Patent 3,997,838 (1976)

**Investigation of the factors affecting the response time of a calcium selective liquid membrane electrode**

Bernard Fleet, TH Ryan and MJD Brand

Anal. Chem. 46, 12 (1974)

**3-Electrode controlled alternating-current oscilloscopic polarograph**

M. Brand and B. Fleet

Electrochimica Acta 19 (7), 337-340.(1974)

**Measurement techniques for ion selective electrodes**

M.J.D. Brand

Proc. Soc. Analyt. Chem. Vol 10, No.5, 99 (1973)

**Fast-response differential amplifier for use with ion-selective electrodes**

M.J.D. Brand and G.A. Rechnitz

Anal. Chem. 42 (1970) 1659

**Computer approach to ion-selective electrode potentiometry by standard addition methods**

M.J. D. Brand and G.A. Rechnitz

Anal. Chem. 42 (1970) 1172

**Differential potentiometry with ion-selective electrodes**

M.J.D. Brand and G.A. Rechnitz

Anal. Chem. 42 (1970) 616

**Mechanistic studies on crystal membrane ion-selective electrodes**

M.J.D. Brand and G.A. Rechnitz

Anal. Chem. 42 (1970) 478

**Surface films on glass membrane electrodes**

M.J.D. Brand and G.A. Rechnitz

Anal. Chem. 42 (1970)304

**Analogue computers (Contemporary mathematics)**

M.J.D. Brand and T.E. Brand

Edward Arnold Publishers (1970)

**Polarography of some halogenoplatinate(II) and halogenoplatinate(IV) complexes**

M. Brand, B. Fleet, B. Corain and A. Poe

Journal of Electroanalytical Chemistry , 24 (1), 155 (1970)

**Fully automatic apparatus for stripping voltammetry - application to the determination of triphenyltin compounds**

M. Booth, M. Brand and B. Fleet

Talanta, 17 (11), 1059 (1970)

**Application of polarography and related electroanalytical techniques to the determination of tetramethylthiuram disulphide**

M. Brand and B. Fleet

Analyst , 95 (1137), 1023 (1970)

**Application of polarography and related electroanalytical techniques to the determination of ethylenebisdiethiocarbamates**

M. Brand and B. Fleet

Analyst 95 (1136), 905 (1970)

**Determination of cinnamic acid by coulometric titration with amperometric end-point detection**

M. Brand, B. Fleet and M. Weaver

Analyst , 95 (1129), 387 (1970)

**Mechanistic studies of ion-selective glass membrane electrodes**

M. J. D. Brand and Garry A. Rechnitz

Anal. Chem. 41, (1969) 1788

**Novel impedance measurements on ion-selective liquid-membrane electrodes**

M.J.D. Brand and G.A. Rechnitz

Anal. Chem. 41 (1969) 1185

**Operational amplifiers in chemical instrumentation**

M. Brand and B. Fleet

Chemistry In Britain 5 (12), 557 (1969)

**Electrochemistry**

M. Brand and B. Fleet

Chemistry In Britain , 5 (9), 420 (1969)

**Potentiometric measurements with a new solid state cadmium ion selective electrode**

M.J.D. Brand, J.J. Militello and G.A Rechnitz  
Analyt Letters, 2, 523 (1969)

**Polarography in the study of classical organic functional group reactions.  
II. Polarographic behaviour of 4-cyanocinnamic acid and its ethyl ester**

M. Brand and B. Fleet  
Journal of Electroanalytical Chemistry , 19 (1-2), 157 (1968)

**Polarography in the study of classical organic functional group reactions.  
I. Polarographic behaviour of *cis*- and *trans*-cinnamic acid and substituted cinnamic acids**

M. Brand and B. Fleet  
Journal of Electroanalytical Chemistry , 16 (3), 341 (1968)

**The determination of derivatives of dithiocarbamic acid by cathodic stripping analysis**

M.J.D. Brand  
Proc. Soc. Analyt Chem. Vol 5, No. 10, 207 (1968)

**The application of polarography and related electroanalytical techniques in organic analysis**

M.J.D. Brand  
Ph.D. Thesis, University of London (1968)

**Application of polarography and related electroanalytical techniques to the determination of sodium diethyldithiocarbamate**

M. Brand and B. Fleet  
Analyst 93 (1109), 498 (1968)

**The application of cathodic stripping voltammetry in organic analysis**

M.J.D. Brand and B. Fleet  
Journal of the Polarographic Society, 13 (1967) 77

**Collectors in analytical chemistry**

M.J.D. Brand  
M.Sc. Thesis, University of London (1966)