

**BULLETIN OF THE INSTITUTE
FOR CHEMICAL RESEARCH**

KYOTO UNIVERSITY

Vol. 51, No. 5

Inorganic and Analytical Chemistry

Published bi-monthly by

**THE INSTITUTE FOR CHEMICAL RESEARCH
KYOTO UNIVERSITY
KYOTO, JAPAN**

September, 1973

(Bull. Inst. Chem. Res., Kyoto Univ.)

INSTITUTE FOR CHEMICAL RESEARCH
KYOTO UNIVERSITY

Director

Eiji SUTO

Members of Council

Eiichi FUJITA	Osamu HAYAISHI	Hiroshi INAGAKI
Yuzo INOUE	Keinosuke KOBAYASHI	Naokazu KOIZUMI
Michio KURATA	Masaya OKANO	Tatsuo OOI
Tsunenobu SHIGEMATSU	Sakae SHIMIZU	Eiji SUTO
Toshio TAKADA	Mitsuru TAKANAMI	Tohru TAKENAKA
Yoshimasa TAKEZAKI	Megumi TASHIRO	Waichiro TSUJI
Tatsuo YAMAMOTO	Takuji YANABU	

Publication Committee

Yoshichika BANDO	Tetsuya HANAI	Toshio OKAMOTO
Sakae SHIMIZU	Waichiro TSUJI	Tatsuo YAMAMOTO

Business Staff

Gon FUJII	Shigeo HOTTA	Toshio NISHIMURA
-----------	--------------	------------------

History of Publications

Term	Vol.	Title	Published
Jan., 1939- Dec., 1947	1-16	化学研究所講演集 (The Reports of the Institute for Chemical Research)	Indeterminately
April, 1933	—	10 Jahre Institut für chemische Forschung (化学研究所創立十周年記念号)	—
March, 1949- Dec., 1949	17-19	化研講演集 (The Reports of the Institute for Chemical Research)	Indeterminately
March, 1950- Sept., 1952	20-30	化学研究所報告 (Bulletin of the Institute for Chemical Research)	Quarterly
Dec., 1951	—	The Commemoration Volume for the Silver Jubilee (化学研究所創立二十五周年記念号)	—
Jan., 1953 onwards	31 No. 1-	Bulletin of the Institute for Chemical Research (化学研究所報告)	Bi-monthly

CONTENTS

Inorganic and Analytical Chemistry

Taichiro Fujinaga and B. K. Puri: Polarographic Determination of 8-Hydroxyquinolinates after Extraction with Naphthalene. Trace Analysis of Cadmium and Lead	253
Tsunenobu Shigematsu, Akiko Ota, and Masakazu Matsui: Liquid Membrane Electrodes Responsive to Such Organic Anions as Antiseptics and Artificial Sweetenings	268
Tsunenobu Shigematsu, Tsutomu Uchiike, Tôru Aoki, and Masakazu Matsui: Gas Chromatography of Zinc Pivaloyltrifluoroacetate Adducts with Tri-n-Butylphosphate and Tri-n-Butylphosphine Oxide.....	273
Toshio Maki and Masatoshi Ohkubo: Separation of Heavy-Metal Ions from their Water Solutions by Xonotlite Crystal Compacts	278
Shigetoshi Muranaka and Toshio Takada: Growth and Electrical Properties of FeMe_2X_4 (Me=Ti, V; X=S, Se) Single Crystals.....	287
Toshio Ichida, Yoshichika Bando, Teruya Shinjo, and Toshio Takada: Mössbauer Study of Some Barium Orthoferrates.....	295
Tokuji Yamamoto, Kousuke Haraga, and Megumi Tashiro: Identification of Crystals Protruding from Surface of $\text{Na}_2\text{O}\cdot 3\text{SiO}_2$ Glass	305
Review	
Tadashi Kokubo, Setsuro Ito, and Megumi Tashiro: Formation of Metastable Pyrochlore-type Crystals in Glasses	315

京都大学化学研究所報告 第51卷 第5号

昭和49年1月22日 印刷 【非売品】
昭和49年1月28日 発行

京都府宇治市五ヶ庄
京都大学化学研究所

編集兼 水 渡 英 二
発行人

京都市上京区下立売通小川東入
印刷所 中西印刷株式会社

京都市上京区下立売通小川東入
印刷者 中 西 亭