

**BULLETIN OF THE INSTITUTE
FOR CHEMICAL RESEARCH**

KYOTO UNIVERSITY

Vol. 60, No. 3~4

Anorganic and Analytical Chemistry

Physical Chemistry

Published bi-monthly by

THE INSTITUTE FOR CHEMICAL RESEARCH

KYOTO UNIVERSITY

KYOTO, JAPAN

July, 1982

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

INSTITUTE FOR CHEMICAL RESEARCH
KYOTO UNIVERSITY

Director

Eiichi FUJITA

Members of Council

Yoshichika BANDO	Eiichi FUJITA	Hiroshi INAGAKI
Yuzo INOUE	Ken-ichi KATAYAMA	Ryozo KITAMARU
Naokazu KOIZUMI	Michio KURATA	Shinzaburo OKA
Masaya OKANO	Tatsuo OOI	Kenji SODA
Toshio TAKADA	Mitsuru TAKANAMI	Hidekuni TAKEKOSHI
Tohru TAKENAKA	Natsu UYEDA	

Publication Committee

Yoshichika BANDO	Seishi MATSUKI	Takeaki MIYAMOTO
Hisashi ODANI	Mitsuru TAKANAMI	Natsu UYEDA

Business Staff

Tetsuo FUJIMOTO	Yasumasa HITOMI	Seiji IJIRI
-----------------	-----------------	-------------

History of Publications

Term	Vol.	Title	Published
Jan., 1929- 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 onward	31 No. 1-	Bulletin of the Institute for Chemical Research (化学研究所報告)	Bi-monthly
Nov., 1966	44 No. 6	Special Issue on the Commemoration of the Fortieth Anniversary (化学研究所創立四十周年記念号)	—
Nov., 1976	54 No. 6	Special Issue on the Commemoration of the Fiftieth Anniversary (化学研究所創立五十周年記念号)	—

CONTENTS

Masahiko Kurakado and Hiromasa Mazaki: Search for a Radiation Detector Using a Superconducting Tunnel Junction.....	243
Masao Kiyama: Particle Growth of $\text{Co}_x\text{Fe}_{3-x}\text{O}_4$ with $x \leq 0.2$ by Air Oxidation of Aqueous Suspensions	247
Shigeo Umetani, Masakazu Matsui, Tadashi Kuzunishi, and Yasuharu Nishikawa: The Solvent Extraction of Divalent Metals with 1-Phenyl- 3-Methyl-4-Trifluoropyrazol-5-one and TOPO as the Group Separation and Concentration Methods of Trace Metals.....	254
Tadashi Kokubo, Masazumi Shigematsu, Yukihiro Nagashima, Megumi Tashiro, Takashi Nakamura, Takao Yamamuro, and Shoichiro Higashi: Apatite- and Wollastonite-Containing Glass-Ceramics for Prosthetic Application.....	260
Mutsuo Matsumoto and Tohru Takenaka: The Thin Liquid Film between Glass and Mercury in an Aqueous Solution.....	269
Note	
Shigeo Umetani, Kazue Shinoyama, and Masakazu Matsui: On 1-Phenyl- 3-Methyl-4-Benzoylthiopyrazol-5-one as an Analytical Reagent.....	276

京都大学化学研究所報告第60卷第3~4号

昭和57年10月8日 印刷

【非売品】

昭和57年10月15日 発行

京都府宇治市五ヶ庄

京都大学化学研究所

編集兼発行人

藤 田 栄 一

京都市上京区寺之内通小川西入

印 刷 所

山代印刷株式会社

電話(075)(441)8177(代表)

京都市上京区寺之内通小川西入

印 刷 者

山 代 多 三 郎