

The Review of Physical Chemistry of Japan

Vol. 47, 1977

CONTENTS

No. 1

Masaru Nakahara and Jiro Osugi: Ionic Solutions under High Pressure VII, Mobility of Hydrogen Ion in Water at 15, 25 and 40 °C up to 5000 atm	1
Yoshiyuki Tanaka, Takeshi Yamamoto, Yoshimasa Satomi, Hironobu Kubota and Tadashi Makita: Specific Volume and Viscosity of Ethanol-Water Mixtures under High Pressure.....	12
Masakatsu Ueno, Masaru Nakahara and Jiro Osugi: The Effect of Pressure on Micelle Formation and Solubility of Hexadecyltrimethyl- ammonium Bromide in Water	25
Masami Okamoto, Muneco Sasaki and Jiro Osugi: Kinetic Studies on the Cationic Polymerization of Tetrahydrofuran under High Pressure.....	33
Masatake Katayama, Kimihiko Hara and Jiro Osugi: Layer Growth of ZnSb Phase in the Zn-Sb Diffusion Couple at High Pressure	42

No. 2

Kiyoshi Kawatsura: X-Ray Emission Spectra Induced by Ion-Atom Collisions I, Single and Double K-Shell Ionization	53
Kiyoshi Kawatsura: X-Ray Emission Spectra Induced by Ion-Atom Collisions II, Effect of Chemical Bonding and Multiple Ionization on X-Ray Spectra	69
Kiyoshi Shimizu, Noriaki Tsuchihashi and Yoshihito Kondo: Effect of Pressure on Dissociation of Ion Pairs, MnSO₄, CuSO₄ and ZnSO₄	80
Masaru Hongo and Hiroji Iwasaki: The Viscosity of Nitrogen-Ammonia System under Pressures	90
Izumi Ishihara: Electrical Conductance of LiBr in Acetone at High Pressure and 25°C.....	102
Hideki Aomi, Muneco Sasaki and Jiro Osugi: Photochemical Hydrolysis of <i>m</i>-Nitroanisole under High Pressure	111
Masaru Nakahara, Yasuhiro Uosaki, Muneco Sasaki and Jiro Osugi: ¹³C and ¹H NMR Studies on the 1, 4-Adduct Formed by the Reaction of Tetracyanoethylene and Styrene	119

Published by

THE PHYSICO-CHEMICAL SOCIETY OF JAPAN

Faculty of Science, Kyoto University, Kyoto, Japan