

Titles of Papers

Read at the 58th Semi-annual Meeting of the Institute
on November 30th and December 1st, 1956

1. Ikutaro SAWAI, Kaoru UMEYA, Tomozo NISHIKAWA and Satoshi SHIMIZU : Measurement for Dynamic Properties of Clay Suspensions.
2. Megumi TASHIRO : A Method for the Continuous Measurement of High-temperature Heat Contents of Glasses and of Fused Salts.
3. Rempei GOTOH and Tohru TAKENAKA : Hydrophilic Property of Surface Active Substance.
4. Rempei GOTOH and Tohru TAKENAKA : Inductive Effect of the Polar Group upon the Stretching Vibration of C-H Bond.
5. Rempei GOTOH, Tetsuya HANAI and Naokazu KOIZUMI : Dielectric Investigation of Disperse Systems. Dielectric Constants of Suspension and their Frequency Dependence.
6. Tetsuya HANAI, Naokazu KOIZUMI and Rempei GOTOH : The Temperature Coefficients of Dielectric Constants of Polar Liquids and their Dipole Moments.
7. Rempei GOTOH, Hiroshi AIDA and Soichi HAYASHI : Impact Breakdown of Single Fibers and its High-speed Photography.
8. Kazuko TAMURA and Eiji SUITO : A Study of the Catalytic Action of Metallic Colloid.
9. Eiichi SEKIDO and Eiji SUITO : Dimorphism of Copper-oxinate Precipitate.
10. Eiji SUITO and Kazuyoshi TAKIYAMA : Electron Micro-diffraction Studies of Vanadium Pentoxide Sol. Alteration of Crystals by Heating.
11. Natsu UYEDA, Eiji SUITO and Yasuo MATUMURA : The Decomposition of Lead Iodide by Electron Bombardment.
12. Eiji SUITO, Natsu UYEDA and Yasuo MATUMURA : The Design and Construction of a Photoelectric Scanning Machine for Sizing Microscopic Particles.
13. Masayoshi ISHIBASHI, Tsunenobu SHIGEMATSU and Masayuki TABUSHI : Some Experiments on Precision Colorimetry.
14. Yuzo INOUE, Toshio SUGITA and Minoru OHNO : Studies on Synthetic Pyrethroids. (X). Assignment to Deometrical Configuration of α,δ -Dimethylsorbic Acid.
15. Masayuki HAMADA : Studies on the Condensation Products of Chlorinated Phenols with Chloral. (II). Structure of Condensation Products of 2,4-Dichlorophenol and 2,4-Dichloroanisole with Chloral.
16. Rempei GOTOH, Takeo SUGANO and Naomi HAYAMA : Interaction between Surfactants and Dye-stuffs. Protecting and Peptizing Power of Surfactants for Congo Rubine.
17. Rempei GOTOH, Takeo SUGANO and Naomi HAYAMA : Interaction between Surfactants and Dye-stuffs. Influence of Dye-stuffs upon the Wetting Power of Surfactants.
18. Yasuo SONE : Effects of the Water on the Transition-temperature of Polyvinylalcohol.
19. Waiciro TSUJI and Toshio OKADA : Studies on Triboelectricity of Textiles.
20. Masao HORIO, Mitihiko TAKAHAMA, Tatuo HARADA and Kikuharu NISHIUCHI : Study of Continuous Cooking. (II).
21. Chugo KUJIRAI : Photodegradation of Viscose Fiber.
22. Senji UTZINO, Shunji FUKUDA, Kenzo SATAKE, Yujiro NOMURA, Shunyo WADA and Misao NAKAMA : Syntheses of Steroids Containing N and S Groups. (I). Esters of Thioglycolic and Dithioglycolic Acids.
23. Senji UTZINO, Shunji FUKUDA, Kenzo SATAKE, Yujiro NOMURA, Shunzo WADA and Misao NAKAMA : Syntheses of Steroids Containing N and S Groups. (II). Cholesterol Derivatives.
24. Hajime FUJIMURA, Kiyohisa KAWAI and Yutaka YAMAKAWA : Pharmacological Stu-

Titles of Papers

- dies of Diphenylalkylamine Derivatives, (I).
25. Hajime FUJIMURA, Kiyohisa KAWAI and Yutaka YAMAKAWA : Pharmacological Studies of Diphenylalkylamine Derivatives, (II).
 26. Hajime FUJIMURA, Kiyohisa KAWAI and Yutaka YAMAKAWA : Pharmacological Studies of Various Organic Acid Esters and Amides, (V). Analgesic Action of α, α -Diphenyl- α -alkoxy Acetates, (II).
 27. Yoshiyuki INOUE and Toshio OHNISHI : Colour Reaction of Isoglucosamine Derivatives.
 28. Hisateru MITSUDA, Takehiko SHIKANAI and Eiko ABURANOKOJI : A New Micro-determination of Vitamin C.
 29. Mamoru KURACHI : Studies on the Mechanism of the Biosynthesis of Pyocyanine. On the Effect of Anthranilic Acid on Pyocyanine Formation.
 30. Hideo KATAGIRI, Chuji TATSUMI and Shohei NAKAGAWA : Studies on the Production of Lipids by the Strain of *Rhodotorula*.
 31. Hideo KATAGIRI and Yoshio ICHIKAWA : Studies on the *Propionibacterium*.
 32. Hideo KATAGIRI and Masayuki IKEMIYA : Studies on Malt Amylases, (XII). A New Method for Separation of α -Amylase.
 33. Hideo KATAGIRI, Masayuki IKEMIYA and Juichiro YAGI : Studies on Malt-Amylases, (XIII). The Effects of Amphoteric Detergents on Amylases.
 34. Hideo KATAGIRI, Masayuki IKEMIYA and Hideo AN-YOJI : Studies on Malt-Amylases, (XIV). Some Investigations on Amylolysis.
 35. Hiroshi SAWAMURA, Osamu TAJIMA and Kyoichi AKAMATSU : Investigation on Acid-resistant High-silicon Iron, (II). Effects of Alloying Elements on Mechanical Properties, Corrosion Resistance and Shrinkage.
 36. Hiroshi SAWAMURA, Masatoshi TSUDA and Sanzo NAKAGAWA : Influence of Addition of Metallic Titan, Ferro-titan and Cu-Ti Alloy upon the Structure of Gray Cast Iron, (I).
 37. Hiroshi SAWAMURA, Masatoshi TSUDA and Sanzo NAKAGAWA : Influence of Addition of Metallic Titan, Ferro titan and Cu-Ti Alloy upon the Structure of Gray Cast Iron, (II).
 38. Shiro MORITA, Ryohei OZAKI, Naoya INOYAMA and Kazuhiko KURAI : Fundamental Studies on Spheroidal Graphite Cast Iron, (XVI). Influences of Contents of C and Si on the Formation of Spheroidal Graphite.
 39. Shiro MORITA, Ryohei OZAKI, Naoya INOYAMA and Kazuhiko KURAI : Fundamental Studies on Spheroidal Graphite Cast Iron, (XVII). A Consideration on the Formation of Imperfect Spheroidal Graphite.
 40. Kiyokado NISHIHARA and Mitsuo KURACHI : On the Electrowinning of Chromium from Chromium Alum Solution.
 41. Kiyokado NISHIHARA, Yoshitaka MATSUMURA and Hideto KOGA : Studies on the Gases in the Electrodeposited Copper and Nickel.
 42. Isao KUSHIMA and Tsuyoshi AMANUMA : On the Transformation of Ferromagnetic Ferric Oxide (γ -Fe₂O₃).
 43. Isao KUSHIMA and Giroku MIYATANI : On the Impurities in Electrolysis of Zinc Sulphate Solution.
 44. Hideo TAKAKI and Masashige KOYAMA : Studies on Line Structures in Tin Single Crystals, (VIII).
 45. Hideo TAKAKI, Sigeo NAKAMURA and Yasuto NAKAI : The Production of High Melting Point Single Crystals with Any Desired Orientation and their Substructure.
 46. Hideo TAKAKI, Sigeo NAKAMURA and Yasuto KAKAI : The Studies on Substructure in Nickel Single Crystals.
 47. Takeo HAYASHI, Mitsuhiro KAWAMURA, Atsushi AOKI and Kiichi KIMURA : A Type of Coincidence Spectrometers.
 48. Takeo HAYASHI, Mitsuhiro KAWAMURA, Atsushi AOKI and Kiichi KIMURA : On the Excited State of Ba¹³⁴ Nucleus.
 49. Kiichi KIMURA, Jiro MUTO, Isao KUMABE, Hidekuni TAKEKOSHI and Kotoyuki OKANO :

Titles of Papers

- On the Mass Separator Constructed in Kyoto University.
50. Jiro MUTO, Eiko TAKEKOSHI, Teruo NAKAMURA, Akira IMAMURA, Yoshikazu TSUNEOKA and Kiichi KIMURA : $C(\gamma\text{-}3\alpha)$ Reaction by $(\text{Li}\cdot\text{p})$ γ -Rays.
 51. Isao KUMABE, Eiko TAKEKOSHI, Hiroshi OGATA, Yoshikazu TSUNEOKA, Shinpei OKI, and Kiichi KIMURA : $\text{Al}^{27}(\text{n}\cdot\alpha)\text{Na}^{24}$ Reaction by 14 Mev Neutron.
 52. Kiichi KIMURA, Yoshiaki UEMURA, Sukeaki YAMASHITA, Akira KATASE, Koichi FUJITA, Takuji YANABU, Ryutaro ISHIWARI, Isao KUMABE, Jun KOKAME and Hidekiyo ITO : Some Results of Running Tests of Kyoto Cyclotron.
 53. Yoshiaki UEMURA, Takuji YANABU, Tomonori HYODO, Isao KUMABE and Hideo AISU : Attenuation of the Neutron Flux in the Water Tank.
 54. Shigeyasu AMANO, Kiichi KIMURA, Masao HANAOKA, Yasuo ICHIKAWA and Hiroshi FUJITA : Pathological Studies on Mice Intensely Irradiated with Neutron etc. from the Cyclotron.
 55. Takuji YANABU, Akira KATASE, Kozo MIYAKE and Hidetugu IKEGAMI : On the Focusing and Analyzing Magnets of the Cyclotron Ion Beam.
 56. Ryutaro ISHIWARI and Jun Kokame : A Lens-type β -Ray Spectrometer. (I).
 57. Hajima NARUMI and Shigeru MATSUO : The Electric Hexadecapole Moment of the Nucleus Cd^{111} (Excited Level).
 58. Tadashi WATANABE, S. NAKAHARA and Hajime NARUMI : The Electric Quadrupole Moment of the Deuteron.
 59. Isao TAKAHASHI, Kenji MITANI, Saburo KAKO and Goro MATSUO : On the Design of a Zeeman-Modulation Microwave Spectroscopy.
 60. Isao TAKAHASHI and Tanehiro NAKAU : Ferromagnetic Resonance in Ferrites.
 61. Mikio TAKEYAMA, Hideo SENO and Mikio SUMIZAWA : The Dielectric Properties of n-Long Chain Alcohols in the Microwave Region. (II).
 62. Isao TAKAHASHI, Tsuneo HASHI and Motoaki HURUKAWA : Measurement of the Relaxation Time by Spin Echo Method.
 63. Isao TAKAHASHI, Tohru OGAWA, Masaru YAMANO, Akira HIRAI, Jiro KAKIMOTO and Motohiro TAKIUCHI : Stark Modulation Atomic Clock. (III).
 64. Kenji MITANI and Hiroshi KUBO : The Effect of the Magnetic Field on a Low Pressure Gas Discharge.
 65. Tetsuro TANAKA, Akira KAWABATA and Hiroyoshi KAWAMURA : Elastic Constants of BaTiO_3 Single Crystal.
 66. Tetsuro TANAKA, Akira KAWABATA and Hiroyoshi KAWAMURA : Temperature Characteristics of the Elastic Constants of BaTiO_3 Ceramic.
 67. Tetsuro TANAKA, Tsugio KAWAI and Shigeru MIURA : BaTiO_3 Coupler as an Element of Remote Control.
 68. Tetsuro TANAKA and Toshio INOBUCHI : On the Impedance Characteristic of Mechanical Filter.
 69. Tetsuro TANAKA and Junzo YAMAMOTO : Elastic Properties of Ni-Zn Ferrites.
 70. Takashi KIYONO, Minoru TOYODA and Ichiro TANIGUCHI : Impedance Converted Standing-wave Method on the Dielectric Loss Measurement.