### CONTENTS

**On Publishing**: KISHIMOTO Tadamitsu, President, Osaka University .......................................................... 3

**Profile of Osaka University** .................................................................................................................. 4

#### 10 Treatise Selections

- **Habits, Costly Investment, and Current Account Dynamics**
  - [Comment on the Published Treatise — IKEDA Shinshaku](#)

- **Cosmos and Life (According to Henry and Bergson)**
  - Yamagata, Y.∗ (Graduate School of Letters) —
  - [Comment on the Published Treatise — YAMAGATA Yorihiro](#)

- **Numerical Renormalization Approach to Two-Dimensional Quantum Antiferromagnets with Valence-Bond-Solid Type Ground State**
  - Hieda, Y.∗; Okunishi, K.∗; Akutsu, Y.∗ (Graduate School of Science) —
  - [Comment on the Published Treatise — AKUTSU Yasuhiro](#)

- **High-Resolution Scanning Tunneling Microscopy Imaging of DNA Molecules on Cu(111)Surfaces**
  - [Comment on the Published Treatise — KAWAI Tomo](#)

- **High-Performance Resin-Bonded Magnets Produced from Zinc Metal-Coated Sm(Fe12Co1)N2 Fine Powders**
  - Noguchi, K.∗; Machida, K.∗; Yamamoto, K.∗; Nishimura, M.∗; Adachi, G.∗ (Graduate School of Engineering) —
  - [Comment on the Published Treatise — ADACHI Gin-yu](#)

- **International Telemicroscopy with a 3 MV Ultrahigh Voltage Electron Microscope**
  - [Comment on the Published Treatise — TAKAOKA Akio](#)

- **A Novel Subtype of Type 1 Diabetes Mellitus Characterized by a Rapid Onset and an Absence of Diabetes-Related Antibodies**
  - Imagawa, A.∗; Hanafusa, T.∗; Miyagawa, J.∗; Matsuzawa, Y.∗ (Graduate School of Medicine) —
  - [Comment on the Published Treatise — IMAGAWA Akihisa](#)

- **A Single Myosin Head Moves along an Actin Filament with Regular Steps of 5.3 Nanometres**
  - Kitamura, K.∗; Tokunaga, M.; Iwane, A.H.∗; Yanagida, T.∗ (Graduate School of Medicine) —
  - [Comment on the Published Treatise — YANAGIDA Toshio](#)

- **Mechanical Rotation of the c Subunit Oligomer in ATP Synthase(Fo+Ft):Direct Observation**
  - Sambongi, Y.∗; Iko, Y.∗; Tanabe, M.∗; Omote, H.∗; Kihara, A.I.; Ueda, I.∗; Yanagida, T.∗; Wada, Y.∗; Futai, M.∗; I.(Institute of Scientific and Industrial Research), 2.(Graduate School of Medicine) —
  - [Comment on the Published Treatise — FUTAI Masamitsu](#)

- **Limb and Skin Abnormalities in Mice Lacking IKKα**
  - [Comment on the Published Treatise — AKIRA Shizuo](#)

(∗: Faculty Member of Osaka University)

#### 20 Graphics Selections

#### List of 100 Treatise Selections

**Osaka University: Facts & Figures, Maps and Contacts**

- Number of Students ......................................................................................................................... 68
- Number of Degree Recipients ............................................................................................................ 70
- Grants-in-Aid for Scientific Research and Donations for Research: Revenues ................................... 72
- International Researchers ................................................................................................................. 74
- International Students ...................................................................................................................... 76
- Academic Exchange Agreements ....................................................................................................... 78
- All Japanese University Ranking .................................................................................................... 82
- Campus Maps ..................................................................................................................................... 86
- Addresses and Campus Location ...................................................................................................... 88