

Annual Report of Iwate Medical University

School of Liberal Arts and Sciences No. 38

Yasuo IIDA and Kei TAKAHASHI:

- The Relationship between Mathematics Education for Medical and Dental Students and Mathematical Courses of their Choice in High School (I) 1

Eiichi SATO:

- Quasi-monochromatic X-ray Irradiation from Weakly Ionized Linear Nickel Plasma 13

Eiichi SATO:

- Development of an Extremely Soft X-ray Generator 23

Makoto KOMATSU and Eiichi SATO:

- Measurement of Irradiation Dose from Titanium Target Flash X-ray Generator with CR System 31

~~Hiroyuki HIRANO:~~

- ~~An Attempt to Introduce a Project-based Learning in a Group Setting~~ 37

Yoichi YASHIMA, Masatoshi MATSUMASA and Susumu KIKUCHI:

- Infection of *Chlorella* from *Paramecium bursaria* into the Cytoplasm of *Amoeba proteus* and its Influence on the Host Cell Division 45

Yoshimi NAKANO:

- Text Analysis of Medical Papers in IMRAD Format 57

James HOBBS:

- Behind the Headlines: Using the Hallidayan Model of Systemic Functional Grammar to Examine How Grammar Signals Content in a Corpus of Front-cover Headlines from *Newsweek* 65

Masami SAKUYAMA, Kaoru OYAMA, Teruo TARUSAWA and Yoshibumi OGASAWARA:

- The Seasonal Differences in the Number of Steps Taken and % Body Fat of Middle-aged Males in the Northern Country 87

Kaoru OYAMA and Masami SAKUYAMA:

- A Study on Effect of "Genmai Nigi Nigi Exercises" on Physique, Physical Fitness, and Reported Symptoms 93

Sadaaki WATANABE:

- Versuch zur Neuen Frankfurter Schule 124

Senjiro TANAKA:

- The So-called Mass Higher Education System: A Critical Note 148

Tsutomu KUROSAWA:

- Takuboku and Shibusaki Village — Takuboku as Villager 156

Tsutomu KUROSAWA:

- The Soundscape of Morioka Appreciated 162