# Journal of the Japan Society of Colour Material

## (SHIKIZAI KYOKAISHI)

## Vol. 94, No. 6, JUN., 2021

### Contents

#### **Original Research Paper ;**

Interfacial Molecular Motion and Chemical Characteristics of Polymer Jointed to Metal by Chemical Bonding Wulliang DENG, Jing SANG, Sumio AISAWA, Katsuhito MORI and Hidetoshi HIRAHARA ··· 149 Special Edition At the Frontline of Biodegradable Materials -Introduction тотоуиki Katsuyama … 158 Review ; Development of Evaluation Methods for Designing Alternative Micro Plastic Bead Particles Naoaki Toyoda … 159 High-Performance Biodegradable Plastics and its Future Prospect Tadahisa Iwata … 164 Current Topics ; Results of the Nano Cellulose Vehicle Project-Trial Production Using Cellulose Nanofibers-Arimitsu Usuki … 169 Review ; Viscoelastic Behavior of Cellulose Nano-particle Suspensions Toshiyuki Shikata … 175

Notice about photocopying In order to photocopy any work from this publication, you or your organization must obtain permission from the following organization which has been delegated for copyright for clearance by the copyright owner of this publication. Except in the USA Japan Academic Association for Copyright Clearance (JAACC) 6-41 Akasaka 9-chome, Minato-ku, Tokyo 107-0052, Japan TEL 81-3-3475-5618 FAX 81-3-3475-5619 E-mail: info@jaacc.jp In the USA Copyright Clearane Center, Inc. 222 Rosewood Drive, Danvers, MA 01923 USA Phone : (978) 750-8400 FAX : (978) 750-4744

> Japan Society of Colour Material Tokyo Toryo Kaikan Bldg. 2F 12-8, 3-Chome, Ebisu, Shibuya-ku, Tokyo 150-0013, Japan