

CONTENTS

Research Reports

Study on Condition Monitoring Technology of Production Manufacturing Process for Waveform Analysis	Naoki KAWADA and Masashi OIKAWA	3
Evaluation of Writing Performance for Different Types of Ballpoint Pen Ink by AE Sensing	Alan HASE	7
C ₃ N ₄ -Based Photocatalysts for HCHO Decomposition with Water Vapor under Visible Light Irradiation	Yusuke UCHINO, Sora KOBAYASHI, Shintaro SATO, Fuga KAMIOKA, Naoyuki HIROSE, Zeng JIE, Yosuke SUGIMOTO, Takafumi DAISAKI and Hirofumi ARITANI	13

Published Papers

Department of Mechanical Engineering	21
Department of Life Science and Green Chemistry	29
Department of Information Systems	32
Foundation Study Center	41
Advanced Science Research Laboratory	42

Activities

Department of Mechanical Engineering	47
Department of Life Science and Green Chemistry	49
Department of Information Systems	50
Foundation Study Center	52
Advanced Science Research Laboratory	53

Progressive Research

Department of Mechanical Engineering	57
Department of Life Science and Green Chemistry	66
Department of Information Systems	72
Foundation Study Center	80
Advanced Science Research Laboratory	82