

CONTENTS

Research Reports

A Study on Prediction of Breakage in Micro Hole Drilling Using Acoustic Emission Technique	Alan HASE	3
Influence of Damage of Pipe on Its Vibration Response	Keisuke MINAGAWA	9
Use of Ozone in LAS-containing Wastewater Treatment	Atsuko KAWATA, Kazue FUJIZAWA, Ayaka YAMAZAKI and Hirofumi ARITANI	15
Mobile Terminals Cooperative Communication Framework for Energy Saving: Evaluation of Energy Efficiency Using Smartphone Test-Bed	Kiyohiko HATTORI	21

Published Papers

Department of Mechanical Engineering	27
Department of Life Science and Green Chemistry	40
Department of Information Systems	45
Foundation Study Center	54
Advanced Science Research Laboratory	55

Activities

Department of Mechanical Engineering	59
Department of Life Science and Green Chemistry	60
Department of Information Systems	60
Foundation Study Center	62
Advanced Science Research Laboratory	63

Progressive Research

Department of Mechanical Engineering	67
Department of Life Science and Green Chemistry	73
Department of Information Systems	79
Foundation Study Center	88
Advanced Science Research Laboratory	90