

GAKUJUTSU KENKYU  
(Academic Studies and Scientific Research)

Natural Science

Vol. LXX

Issued Annually

by

Faculty of Education and Integrated Arts and Sciences,  
Waseda University

Tokyo, Japan, 2021

# 学 術 研 究

— 自然科学編 —

第70号

早稲田大学 教育・総合科学学術院

— 2021 —