

FLORIDA STATE UNIVERSITY  
COLLEGE OF ARTS AND SCIENCES

SPIN TRANSPORT  
IN HYBRID ORGANIC-SEMICONDUCTOR NANOSTRUCTURES  
VIA CHIRALITY-INDUCED SPIN SELECTIVITY

By  
TIANHAN LIU

A Dissertation submitted to the  
Department of Physics  
in partial fulfillment of the  
requirements for the degree of  
Doctor of Philosophy

2021

Tianhan Liu defended this dissertation on February 23, 2021.

The members of the supervisory committee were:

Peng Xiong

Professor Directing Dissertation

Hedi Mattoussi

University Representative

Irinel Chiorescu

Committee Member

Hanwei Gao

Committee Member

Nicholas Bonesteel

Committee Member

Winston Roberts

Committee Member

The Graduate School has verified and approved the above-named committee members, and certifies that the dissertation has been approved in accordance with university requirements.