## FLORIDA STATE UNIVERSITY COLLEGE OF ARTS AND SCIENCES

## OXYSULFIDE-BASED FAST-ION CONDUCTORS FOR SOLID-STATE LITHIUM BATTERIES

By

MICHAEL JOSEPH DECK

A Dissertation submitted to the Department of Chemistry and Biochemistry in partial fulfillment of the requirements for the degree of Doctor of Philosophy

Michael Joseph Deck defended this dissertation on November 8, 2023.	
The members of the supervisory committee were:	
	37 <b>3</b> 7 11
	Yan-Yan Hu
1	Professor Directing Dissertation
(	Chen Huang
	University Representative
	J 1
ľ	Mykhailo Shatruk
(	Committee Member
(	Oliver Steinbock
(	Committee Member
	approved the above-named committee members, and
certifies that the dissertation has been approved in accordance with university requirements.	