Materials, Devices, and Systems for Neuromorphic Computing and Artificial Intelligence Hardware

Editors:

- D. Misra
- K. Kakushima
- R. Padmanabhan
- J. L. Blackburn G. Kolhatkar

V. Chakrapani

Sponsoring Divisions:



E Dielectric Science and Technology



Electronics and Photonics



Nanocarbons

Interdisciplinary Science and Technology Subcommittee



Published by The Electrochemical Society 65 South Main Street, Building D Pennington, NJ 08534-2839, USA tel 609 737 1902 fax 609 737 2743 www.electrochem.org

AGSILTANSACTIONS

B. Yildiz

Vol. 113, No. 14

Copyright 2024 by The Electrochemical Society. All rights reserved.

This book has been registered with Copyright Clearance Center. For further information, please contact the Copyright Clearance Center,Salem, Massachusetts.

Published by:

The Electrochemical Society

65 South Main Street Pennington, New Jersey 08534-2839, USA

> Telephone 609.737.1902 Fax 609.737.2743 e-mail: <u>ecs@electrochem.org</u> Web: <u>www.electrochem.org</u>

ISSN 1938-6737 (online)

ISBN 978-1-62332-664-7 (PDF)

Printed in the United States of America.

ECS Transactions, Volume 113, Issue 14

Materials, Devices, and Systems for Neuromorphic Computing and Artificial Intelligence Hardware

Table of Contents

Preface	iii
(Invited) Ferroelectric Nonvolatile Capacitive Synapse for Charge Domain Compute- in-Memory O. Phadke, T. H. Kim, Y. C. Luo, S. Yu	3

Author Index

15