ociety H, K VOL. 19, NO. 1 Spring 2010

S Classics

IN THIS ISSUE

- 3 From the Editor: Electrochemistry, Solid-State Science/Technology, and Health Care
- 7 Pennington Corner: Electrochemistry Gets Supporting Actor Nod
- 13 Special Section: ECS Meeting, Vancouver, Canada
- 29 Tech Highlights
- 31 JES Classics Redux
- 33 Pitting Corrosion of Metals
- 39 Electrodeposition Fueled by Newman and Tobias
- 44 Semiconductor Cleaning Technology: Forty Years in the Making
- 47 On a Pioneering Polymer Electrolyte Fuel Cell Model
- 50 Perspectives on Electrochemical Insertion of Lithium in Carbon Nanotubes
- 53 Persistent Phosphors Based on Alkaline-Earth Aluminate Hosts
- 55 Stanley Wawzonek and the Introduction of Polar Aprotic Solvents into **Organic Electrochemistry**

The Electrochemical Society

IN BRACE

33

Pitting Corrosion of Metals

by Roger Newman

38

Electrodeposition Fueled by Newman and Tobias

by Elizabeth J. Podlaha, Hariklia Deligianni, and Gery Stafford

44

Semiconductor Cleaning Technology: Forty Years in the Making

by Jerzy Ruzyllo

47

On a Pioneering Polymer Electrolyte Fuel Cell Model

by Jeremy P. Meyers and Adam Z. Weber

50

Perspectives on Electrochemical Insertion of Lithium in Carbon Nanotubes

by Vito Sgobba and Dirk M. Guldi

58

Persistent Phosphors Based on Alkaline-Earth Aluminate Hosts

by Uwe Happek and Anant Setlur

निन

Stanley Wawzonek and the Introduction of Polar Aprotic Solvents into Organic Electrochemistry

by Albert J. Fry

Vol. 19, No. 1 Spring 2010



- From the Editor: Electrochemistry, Solid-State Science/ Technology, and Health Care
- **7** Pennington Corner: Electrochemistry Gets Supporting Actor Nod
- Society News
- Special Section: ECS Meeting, Vancouver, Canada
- **27** People News
- **79** Tech Highlights
- 31 JES Classics Redux
- 59 Section News
- **R1** Awards
- **New Members**
- **Student News**

On the cover...

This issue is Part II in a two-part series on the best articles in the *Journal of The Electrochemical Society* (JES).

Cover design by Dinia Agrawala.