

# ecs transactions

## Volume 58—San Francisco, California

from the San Francisco meeting, October 27—November 1, 2013

The following issues of ECS Transactions are from symposia held during the San Francisco meeting. All issues are available in electronic (PDF) editions, which may be purchased by visiting <http://ecsd.org/ECST/>. Some issues are also available in soft or hard cover editions. Please visit the ECS website for all issue pricing and ordering information. (All prices are in U.S. dollars; M = ECS member price; NM = nonmember price.)

### Available Issues

**Vol. 58 No. 1** Polymer Electrolyte Fuel Cells 13 (PEFC 13)  
CD/USB.....M \$212.00, NM \$265.00  
PDF.....M \$192.39, NM \$240.49

**Vol. 58 No. 2** Electrochemical Synthesis of Fuels 2  
HC.....M \$141.00, NM \$177.00  
PDF.....M \$128.46, NM \$160.57

**Vol. 58 No. 3** High Temperature Experimental Techniques and Measurements  
HC.....M \$92.00, NM \$115.00  
PDF.....M \$83.69, NM \$104.61

**Vol. 58 No. 4** Gallium Nitride and Silicon Carbide Power Technologies 3  
HC.....M \$127.00, NM \$159.00  
PDF.....M \$115.29, NM \$144.11

**Vol. 58 No. 5** Nonvolatile Memories 2  
HC.....M \$94.00, NM \$117.00  
PDF.....M \$85.42, NM \$106.77

**Vol. 58 No. 6** Semiconductor Cleaning Science and Technology (SCST 13)  
HC.....M \$102.00, NM \$127.00  
PDF.....M \$92.33, NM \$115.41

**Vol. 58 No. 7** Semiconductors, Dielectrics, and Metals for Nanoelectronics 11  
HC.....M \$117.00, NM \$147.00  
PDF.....M \$106.70, NM \$133.37

**Vol. 58 No. 8** State-of-the-Art Program on Compound Semiconductors (SOTAPCS) 55- and Low-Dimensional Nanoscale Electronic and Photonic Devices 6  
HC.....M \$114.00, NM \$143.00  
PDF.....M \$103.83, NM \$129.97

**Vol. 58 No. 9** ULSI Process Integration 8  
HC.....M \$92.00, NM \$115.00  
PDF.....M \$83.69, NM \$104.61

**Vol. 58 No. 10** Atomic Layer Deposition Applications 9  
HC.....M \$92.00, NM \$115.00  
PDF.....M \$83.69, NM \$104.61

**Vol. 58 No. 11** Photovoltaics for the 21st Century 9  
SC.....M \$65.00, NM \$81.00  
PDF.....M \$48.78, NM \$60.97

**Vol. 58 No. 12** Battery Chemistries Beyond Lithium Ion  
SC.....M \$57.00, NM \$71.00  
PDF.....M \$41.05, NM \$51.31

**Vol. 58 No. 13** Computational Science of Battery Materials  
SC.....M \$37.00, NM \$46.00  
PDF.....M \$20.94, NM \$26.18

**Vol. 58 No. 14** Intercalation Compounds for Rechargeable Batteries  
SC.....M \$60.00, NM \$75.00  
PDF.....M \$43.62, NM \$54.53

**Vol. 58 No. 15** Interfacial Phenomena in Battery Systems  
SC.....M \$31.00, NM \$39.00  
PDF.....M \$19.00, NM \$24.00

**Vol. 58 No. 16** Solid State Topics (General) – 224th ECS Meeting  
SC.....M \$40.00, NM \$50.00  
PDF.....M \$23.82, NM \$29.77

**Vol. 58 No. 17** Processing, Materials, and Integration of Damascene and 3D Interconnects 5  
SC.....M \$57.00, NM \$71.00  
PDF.....M \$41.05, NM \$51.31

**Vol. 58 No. 18** Current Trends in Electrodeposition – An Invited Symposium  
SC.....M \$31.00, NM \$39.00  
PDF.....M \$19.00, NM \$19.00

**Vol. 58 No. 19** Synthesis and Electrochemical Engineering (General) – 224th ECS Meeting  
SC.....M \$54.00, NM \$68.00  
PDF.....M \$38.18, NM \$47.72

**Vol. 58 No. 20** Electrode Processes 8  
SC.....M \$40.00, NM \$50.00  
PDF.....M \$23.82, NM \$29.77

**Vol. 58 No. 21** Sensors, Actuators, and Microsystems (General) – 224th ECS Meeting  
SC.....M \$43.00, NM \$53.00  
PDF.....M \$26.69, NM \$33.36

**Vol. 58 No. 22** Impedance Techniques, Diagnostics, and Sensing Applications  
SC.....M \$46.00, NM \$57.00  
PDF.....M \$29.56, NM \$36.95

**Vol. 58 No. 23** Sensors for Agriculture  
SC.....M \$40.00, NM \$50.00  
PDF.....M \$23.82, NM \$29.77

**Vol. 58 No. 24** Carbon Nanostructures 4 - Fullerenes to Graphene  
SC.....M \$43.00, NM \$53.00  
PDF.....M \$26.69, NM \$33.36

**Vol. 58 No. 25** Student Posters (General) – 224th ECS Meeting  
SC.....M \$83.00, NM \$104.00  
PDF.....M \$66.81, NM \$83.51

**Vol. 58 No. 26** Battery Safety  
SC.....M \$31.00, NM \$39.00  
PDF.....M \$19.00, NM \$19.00

**Vol. 58 No. 27** Electrochemical Capacitors: Fundamentals to Applications  
SC.....M \$51.00, NM \$64.00  
PDF.....M \$35.30, NM \$44.13

**Vol. 58 No. 28** Luminescence and Display Materials – Fundamentals and Applications  
SC.....M \$34.00, NM \$43.00  
PDF.....M \$18.07, NM \$22.59

**Vol. 58 No. 29** Atmospheric Corrosion  
SC.....M \$40.00, NM \$50.00  
PDF.....M \$23.82, NM \$29.77

**Vol. 58 No. 30** Photoelectrochemistry and Photoassisted Electrocatalysis 6  
SC.....M \$48.00, NM \$61.00  
PDF.....M \$32.43, NM \$40.54

**Vol. 58 No. 31** Mass Transport Phenomena in Localized Corrosion  
SC.....M \$40.00, NM \$50.00  
PDF.....M \$23.82, NM \$29.77

**Vol. 58 No. 32** Fundamentals of Electrochemical Growth – From UPD to Microstructures 3  
SC.....M \$62.00, NM \$78.00  
PDF.....M \$46.20, NM \$57.75

**Vol. 58 No. 33** Alkaline Electrolyzers  
SC.....M \$34.00, NM \$43.00  
PDF.....M \$18.07, NM \$22.59

**Vol. 58 No. 34** Physical and Electrochemistry in Ionic Liquids 3  
SC.....M \$34.00, NM \$43.00  
PDF.....M \$18.07, NM \$22.59

**Vol. 58 No. 35** The Energy-Water Nexus  
SC.....M \$37.00, NM \$46.00  
PDF.....M \$20.94, NM \$26.18

**Vol. 58 No. 36** Energy Technology/Battery-Joint Session (General) – 224th ECS Meeting  
SC.....M \$60.00, NM \$75.00  
PDF.....M \$43.62, NM \$54.53

**Vol. 58 No. 37** Stationary and Large-Scale Electrical Energy Storage Systems 3  
SC.....M \$48.00, NM \$61.00  
PDF.....M \$32.43, NM \$40.54

**Vol. 58 No. 38** Corrosion Posters (General) – 224th ECS Meeting  
SC.....M \$57.00, NM \$71.00  
PDF.....M \$41.05, NM \$51.31

**Vol. 58 No. 39** Biodegradable and Bioabsorbable Metals Metals and Materials  
SC.....M \$31.00, NM \$39.00  
PDF.....M \$19.00, NM \$19.00

**Vol. 58 No. 40** Microfluidic MEMS/NEMS, Sensors and Devices  
SC.....M \$46.00, NM \$57.00  
PDF.....M \$29.56, NM \$36.95

**Vol. 58 No. 41** Oxide Films: A Symposium in Honor of Clive Clayton on His 65th Birthday  
SC.....M \$67.00, NM \$84.00  
PDF.....M \$51.35, NM \$64.19

**Vol. 58 No. 42** Fundamentals and Applications of Electrophoretic Deposition  
SC.....M \$40.00, NM \$50.00  
PDF.....M \$23.82, NM \$29.77

**Vol. 58 No. 43** Emerging Opportunities in Electrochemical Deposition for Nanofabrication  
SC.....M \$40.00, NM \$50.00  
PDF.....M \$23.82, NM \$29.77

**Vol. 58 No. 44** Invitational Symposium in Honor of Adam Heller on His 80th Birthday  
SC.....M \$34.00, NM \$43.00  
PDF.....M \$18.07, NM \$22.59

**Vol. 58 No. 45** Emerging Materials and Processes for Energy Conversion and Storage  
SC.....M \$51.00, NM \$64.00  
PDF.....M \$35.30, NM \$44.13

**Vol. 58 No. 46** Physical and Analytical Electrochemistry (General) – 224th ECS Meeting  
SC.....M \$60.00, NM \$75.00  
PDF.....M \$43.62, NM \$54.53

**Vol. 58 No. 47** Nanotechnology (General) – 224th ECS Meeting  
SC.....M \$46.00, NM \$57.00  
PDF.....M \$29.56, NM \$36.95

**Vol. 58 No. 48** Lithium-Ion Batteries  
SC.....M \$80.00, NM \$100.00  
PDF.....M \$64.23, NM \$80.29

### Ordering Information

To order any of these recently-published titles, please visit the ECS Digital Library, <http://ecsd.org/ECST/>

Email: [customerservice@electrochem.org](mailto:customerservice@electrochem.org)