

Subject Index of Volume 104

Additive

Lithium-ion battery; Initial irreversible capacity; Carbon anode (Choi, Y.-K. (104) 132)

AFM

Lithium battery; Lithium; Interfacial layer; In situ analysis; FTIR (Morigaki, K.-i. (104) 13)

Ag electrode

Lithium batteries; SERS; The SEI film (Li, G. (104) 190)

Al_2O_3

Molten carbonate fuel cell; Ni-5 wt.% Al anode; Creep resistance (Kim, G. (104) 181)

Alloy anode

Cu_6Sn_5 ; Chemical reduction; Nanosized material; Secondary lithium battery (Kim, D.G. (104) 221)

Back-pressure

Proton exchange membrane; Fuel cell; GrafoilTM; Dew point; Performance (Hwang, J.-J. (104) 24)

Battery

Synthesis; Reflux; Lithium cobalt oxide; High temperature form (Chang, S.-K. (104) 125)

Biomass

Gasification; System study; Molten carbonate fuel cell (MCFC); System analysis (Kivilahti, T. (104) 115)

Bismuth thin layer electrode

Lithium alloy; In situ XRD; Kinetics; Lithium rechargeable batteries (Xianming, W. (104) 90)

Calcination

Capacitance; Nanocrystallites; Ruthenium oxide; Supercapacitor; Xerogel (Wu, N.-L. (104) 62)

Calendar life

Plastic lithium-ion cells; Pulse power capability; Hybrid vehicles; Cycle life (Lackner, A.M. (104) 1)

Camphor

Carbon nanotube catalyst; Lithium battery carbon; Lithium intercalation camphoric carbon (Sharon, M. (104) 148)

Capacitance

Calcination; Nanocrystallites; Ruthenium oxide; Supercapacitor; Xerogel (Wu, N.-L. (104) 62)

Carbon anode

Lithium-ion battery; Initial irreversible capacity; Additive (Choi, Y.-K. (104) 132)

Carbon electrode

Li-ion battery; Surface modification; Electrochemical reaction (Kim, J.-S. (104) 175)

Carbon nanotube catalyst

Camphor; Lithium battery carbon; Lithium intercalation camphoric carbon (Sharon, M. (104) 148)

Carbon

Lithium secondary batteries; Thermal simulation; Graphite-coke hybrid; $\text{LiNi}_{0.7}\text{Co}_{0.3}\text{O}_2$ (Funahashi, A. (104) 248)

Cascade additive

Polymer electrolyte; Polyacrylonitrile; Conductivity (Tsutsumi, H. (104) 40)

Catalytic oxidation

Modification; Methanol; Platinum; Molybdate; Sulfuric acid (Li, W.S. (104) 281)

Cation exchange membrane

Direct methanol fuel cell (DMFC); Methanol crossover; Open circuit voltage (Barragán, V.M. (104) 66)

Cell performance

Polymer electrolyte; Poly(acrylonitrile); Fire-retardant; Li battery; Flexible (Akashi, H. (104) 241)

Chemical reduction

Cu_6Sn_5 ; Nanosized material; Alloy anode; Secondary lithium battery (Kim, D.G. (104) 221)

CO_2 recycling system

Coal gas; MCFC; NH_3 ; NO_x (Kawase, M. (104) 265)

Coal gas

CO_2 recycling system; MCFC; NH_3 ; NO_x (Kawase, M. (104) 265)

Cobalt

Electroless plating; Molten carbonate; Fuel cell; Microencapsulation; Dissolution (Durairajan, A. (104) 157)

Colloidal method

Ruthenium oxide; Nanocomposite; Supercapacitors (Kim, H. (104) 52)

Composite electrolyte

$\text{GDC}-\text{LiCl}-\text{SrCl}_2$; Intermediate temperature fuel cells; Electrical conductivity (Fu, Q.X. (104) 73)

Conductivity

Polymer electrolyte; Polyacrylonitrile; Cascade additive (Tsutsumi, H. (104) 40)

Copolymer

Polymer electrolyte; Ionic conductivity; Electrochemical stability window (Fonseca, C. Polo (104) 85)

Creep resistance

Molten carbonate fuel cell; Ni-5 wt.% Al anode; Al_2O_3 (Kim, G. (104) 181)

Cu_6Sn_5

Chemical reduction; Nanosized material; Alloy anode; Secondary lithium battery (Kim, D.G. (104) 221)

Cycle life

Plastic lithium-ion cells; Pulse power capability; Hybrid vehicles; Calendar life (Lackner, A.M. (104) 1)

Cycle life

Valve regulated lead acid (VRLA) battery; Separator paper (Ball, R.J. (104) 234)

Cycleability

LiCoO_2 ; Mechanical alloying; Discharge capacity; Hydroxide (Jeong, W.T. (104) 195)

Cycleability

LiMn_2O_4 ; Micro-emulsion coating; Rechargeable lithium battery; High-temperature (Liu, Z. (104) 101)

Dew point

Proton exchange membrane; Fuel cell; GrafoilTM; Back-pressure; Performance (Hwang, J.-J. (104) 24)

- Diffusion-layer morphology
Direct methanol fuel cells; High surface-area carbon (Neergat, M. (104) 289)
- Diffusivity
Separator paper; VRLA (Ball, R.J. (104) 208)
- Direct methanol fuel cell (DMFC)
Methanol crossover; Cation exchange membrane; Open circuit voltage (Barragán, V.M. (104) 66)
- Direct methanol fuel cell (DMFC)
Nafion[®]117; Polybenzimidazole (PBI); Screen printing; Methanol crossover; Polymer electrolyte membrane (Hobson, L.J. (104) 79)
- Direct methanol fuel cells
Diffusion-layer morphology; High surface-area carbon (Neergat, M. (104) 289)
- Discharge capacity
 LiCoO_2 ; Mechanical alloying; Cycleability; Hydroxide (Jeong, W.T. (104) 195)
- Discharge capacity
Lightweight supports; Foams; Fibres; Nickel hydroxide (Ramesh, T.N. (104) 295)
- Dissolution
Cobalt; Electroless plating; Molten carbonate; Fuel cell; Microencapsulation (Durairajan, A. (104) 157)
- Electrical conductivity
GDC–LiCl–SrCl₂; Composite electrolyte; Intermediate temperature fuel cells (Fu, Q.X. (104) 73)
- Electrochemical reaction
Li-ion battery; Surface modification; Carbon electrode (Kim, J.-S. (104) 175)
- Electrochemical stability window
Polymer electrolyte; Ionic conductivity; Copolymer (Fonseca, C. Polo (104) 85)
- Electrochemistry
Lithium nickelate; Lithium battery (Kim, J. (104) 33)
- Electroless plating
Cobalt; Molten carbonate; Fuel cell; Microencapsulation; Dissolution (Durairajan, A. (104) 157)
- Electrolyte
Lithium ion battery; SEI; Graphite exfoliation; Graphite; *Trans*-butylene carbonate (Chung, G.-C. (104) 7)
- Electrolyte
Lithium ion cell; Thermal stability; Lithium metal; Water; Safety (Kawamura, T. (104) 260)
- Fibres
Discharge capacity; Lightweight supports; Foams; Nickel hydroxide (Ramesh, T.N. (104) 295)
- Fire-retardant
Polymer electrolyte; Poly(acrylonitrile); Li battery; Flexible; Cell performance (Akashi, H. (104) 241)
- Flexible
Polymer electrolyte; Poly(acrylonitrile); Fire-retardant; Li battery; Cell performance (Akashi, H. (104) 241)
- Foams
Discharge capacity; Lightweight supports; Fibres; Nickel hydroxide (Ramesh, T.N. (104) 295)
- FTIR
Lithium battery; Lithium; Interfacial layer; In situ analysis; AFM (Morigaki, K.-i. (104) 13)
- Fuel cell
Cobalt; Electroless plating; Molten carbonate; Microencapsulation; Dissolution (Durairajan, A. (104) 157)
- Fuel cell
Proton exchange membrane; GrafoilTM; Dew point; Back-pressure; Performance (Hwang, J.-J. (104) 24)
- Gasification
Biomass; System study; Molten carbonate fuel cell (MCFC); System analysis (Kivilahti, T. (104) 115)
- GDC–LiCl–SrCl₂
Composite electrolyte; Intermediate temperature fuel cells; Electrical conductivity (Fu, Q.X. (104) 73)
- GrafoilTM
Proton exchange membrane; Fuel cell; Dew point; Back-pressure; Performance (Hwang, J.-J. (104) 24)
- Graphite electrode
Plasma fluorination; Surface modification; Lithium ion battery (Nakajima, T. (104) 108)
- Graphite exfoliation
Lithium ion battery; SEI; Graphite; Electrolyte; *Trans*-butylene carbonate (Chung, G.-C. (104) 7)
- Graphite
Lithium ion battery; SEI; Graphite exfoliation; Electrolyte; *Trans*-butylene carbonate (Chung, G.-C. (104) 7)
- Graphite–coke hybrid
Lithium secondary batteries; Thermal simulation; Carbon; $\text{LiNi}_{0.7}\text{Co}_{0.3}\text{O}_2$ (Funahashi, A. (104) 248)
- High surface-area carbon
Direct methanol fuel cells; Diffusion-layer morphology (Neergat, M. (104) 289)
- High temperature form
Battery; Synthesis; Reflux; Lithium cobalt oxide (Chang, S.-K. (104) 125)
- High-temperature
 LiMn_2O_4 ; Micro-emulsion coating; Rechargeable lithium battery; Cycleability (Liu, Z. (104) 101)
- Hybrid micropower
Micropower supply; Microbatteries (Harb, J.N. (104) 46)
- Hybrid vehicles
Plastic lithium-ion cells; Pulse power capability; Calendar life; Cycle life (Lackner, A.M. (104) 1)
- Hydrogen diffusion anode
Sulfuric acid medium; Potential oscillations; Platinum; Lead (Expósito, E. (104) 169)
- Hydrogen storage materials
Nanostructures; Mechanical alloying (Kim, J.S. (104) 201)
- Hydroxide
 LiCoO_2 ; Mechanical alloying; Discharge capacity; Cycleability (Jeong, W.T. (104) 195)
- In situ analysis
Lithium battery; Lithium; Interfacial layer; AFM; FTIR (Morigaki, K.-i. (104) 13)
- In situ oxidation
MCFC; NiO; Li content; X-ray diffraction; Lattice parameter (Kudo, T. (104) 272)
- In situ XRD
Lithium alloy; Bismuth thin layer electrode; Kinetics; Lithium rechargeable batteries (Xianming, W. (104) 90)
- Initial irreversible capacity
Lithium-ion battery; Additive; Carbon anode (Choi, Y.-K. (104) 132)
- Intercalation
Mesoporous; Tin oxide (Yu, A. (104) 97)
- Interfacial layer
Lithium battery; Lithium; In situ analysis; AFM; FTIR (Morigaki, K.-i. (104) 13)
- Intermediate temperature fuel cells
GDC–LiCl–SrCl₂; Composite electrolyte; Electrical conductivity (Fu, Q.X. (104) 73)
- Ionic conductivity
Polymer electrolyte; Copolymer; Electrochemical stability window (Fonseca, C. Polo (104) 85)

Kinetics

Lithium alloy; Bismuth thin layer electrode; In situ XRD; Lithium rechargeable batteries (Xianming, W. (104) 90)

Lattice parameter

MCFC; NiO; In situ oxidation; Li content; X-ray diffraction (Kudo, T. (104) 272)

Lead

Sulfuric acid medium; Hydrogen diffusion anode; Potential oscillations; Platinum (Expósito, E. (104) 169)

Li battery

Polymer electrolyte; Poly(acrylonitrile); Fire-retardant; Flexible; Cell performance (Akashi, H. (104) 241)

Li content

MCFC; NiO; In situ oxidation; X-ray diffraction; Lattice parameter (Kudo, T. (104) 272)

Li-ion battery

Surface modification; Electrochemical reaction; Carbon electrode (Kim, J.-S. (104) 175)

LiCoO₂

Mechanical alloying; Discharge capacity; Cycleability; Hydroxide (Jeong, W.T. (104) 195)

Lightweight supports

Discharge capacity; Foams; Fibres; Nickel hydroxide (Ramesh, T.N. (104) 295)

LiMn₂O₄

Micro-emulsion coating; Rechargeable lithium battery; Cycleability; High-temperature (Liu, Z. (104) 101)

LiNi_{0.7}Co_{0.3}O₂

Lithium secondary batteries; Thermal simulation; Graphite-coke hybrid; Carbon (Funahashi, A. (104) 248)

Lithium alloy

Bismuth thin layer electrode; In situ XRD; Kinetics; Lithium rechargeable batteries (Xianming, W. (104) 90)

Lithium batteries

SERS; The SEI film; Ag electrode (Li, G. (104) 190)

Lithium battery carbon

Camphor; Carbon nanotube catalyst; Lithium intercalation camphoric carbon (Sharon, M. (104) 148)

Lithium battery

Lithium nickelate; Electrochemistry (Kim, J. (104) 33)

Lithium battery

Lithium; Interfacial layer; In situ analysis; AFM; FTIR (Morigaki, K.-i. (104) 13)

Lithium cobalt oxide

Battery; Synthesis; Reflux; High temperature form (Chang, S.-K. (104) 125)

Lithium intercalation camphoric carbon

Camphor; Carbon nanotube catalyst; Lithium battery carbon (Sharon, M. (104) 148)

Lithium ion battery

Plasma fluorination; Surface modification; Graphite electrode (Nakajima, T. (104) 108)

Lithium ion battery

SEI; Graphite exfoliation; Graphite; Electrolyte; *Trans*-butylene carbonate (Chung, G.-C. (104) 7)

Lithium ion cell

Electrolyte; Thermal stability; Lithium metal; Water; Safety (Kawamura, T. (104) 260)

Lithium metal

Lithium ion cell; Electrolyte; Thermal stability; Water; Safety (Kawamura, T. (104) 260)

Lithium nickelate

Lithium battery; Electrochemistry (Kim, J. (104) 33)

Lithium rechargeable batteries

Lithium alloy; Bismuth thin layer electrode; In situ XRD; Kinetics (Xianming, W. (104) 90)

Lithium secondary batteries

Thermal simulation; Graphite-coke hybrid; Carbon; LiNi_{0.7}Co_{0.3}O₂ (Funahashi, A. (104) 248)

Lithium

Lithium battery; Interfacial layer; In situ analysis; AFM; FTIR (Morigaki, K.-i. (104) 13)

Lithium-ion battery

Initial irreversible capacity; Additive; Carbon anode (Choi, Y.-K. (104) 132)

MCFC

Coal gas; CO₂ recycling system; NH₃; NO_x (Kawase, M. (104) 265)

MCFC

NiO; In situ oxidation; Li content; X-ray diffraction; Lattice parameter (Kudo, T. (104) 272)

MCFC

Reformer; Methane-reforming reaction; Water-gas shift reaction (Park, H.-K. (104) 140)

Mechanical alloying

Hydrogen storage materials; Nanostructures (Kim, J.S. (104) 201)

Mechanical alloying

LiCoO₂; Discharge capacity; Cycleability; Hydroxide (Jeong, W.T. (104) 195)

Mesoporous

Tin oxide; Intercalation (Yu, A. (104) 97)

Methane-reforming reaction

MCFC; Reformer; Water-gas shift reaction (Park, H.-K. (104) 140)

Methanol crossover

Direct methanol fuel cell (DMFC); Cation exchange membrane; Open circuit voltage (Barragán, V.M. (104) 66)

Methanol crossover

Direct methanol fuel cell (DMFC); Nafion®117; Polybenzimidazole (PBI); Screen printing; Polymer electrolyte membrane (Hobson, L.J. (104) 79)

Methanol

Catalytic oxidation; Modification; Platinum; Molybdate; Sulfuric acid (Li, W.S. (104) 281)

Micro-emulsion coating

LiMn₂O₄; Rechargeable lithium battery; Cycleability; High-temperature (Liu, Z. (104) 101)

Microbatteries

Micropower supply; Hybrid micropower (Harb, J.N. (104) 46)

Microencapsulation

Cobalt; Electroless plating; Molten carbonate; Fuel cell; Dissolution (Durairajan, A. (104) 157)

Micropower supply

Microbatteries; Hybrid micropower (Harb, J.N. (104) 46)

Modification

Catalytic oxidation; Methanol; Platinum; Molybdate; Sulfuric acid (Li, W.S. (104) 281)

Molten carbonate fuel cell (MCFC)

Biomass; Gasification; System study; System analysis (Kivilahti, T. (104) 115)

Molten carbonate fuel cell

Ni-5 wt.% Al anode; Creep resistance; Al₂O₃ (Kim, G. (104) 181)

Molten carbonate

Cobalt; Electroless plating; Fuel cell; Microencapsulation; Dissolution (Durairajan, A. (104) 157)

Molybdate

Catalytic oxidation; Modification; Methanol; Platinum; Sulfuric acid (Li, W.S. (104) 281)

Nafion®117

Direct methanol fuel cell (DMFC); Polybenzimidazole (PBI); Screen printing; Methanol crossover; Polymer electrolyte membrane (Hobson, L.J. (104) 79)

- Nanocomposite
Colloidal method; Ruthenium oxide; Supercapacitors (Kim, H. (104) 52)
- Nanocrystallites
Capacitance; Calcination; Ruthenium oxide; Supercapacitor; Xerogel (Wu, N.-L. (104) 62)
- Nanosized material
 Cu_6Sn_5 ; Chemical reduction; Alloy anode; Secondary lithium battery (Kim, D.G. (104) 221)
- Nanostructures
Hydrogen storage materials; Mechanical alloying (Kim, J.S. (104) 201)
- NH_3
Coal gas; CO_2 recycling system; MCFC; NO_x (Kawase, M. (104) 265)
- Ni-5 wt.% Al anode
Molten carbonate fuel cell; Creep resistance; Al_2O_3 (Kim, G. (104) 181)
- Nickel hydroxide
Discharge capacity; Lightweight supports; Foams; Fibres (Ramesh, T.N. (104) 295)
- NiO
MCFC; In situ oxidation; Li content; X-ray diffraction; Lattice parameter (Kudo, T. (104) 272)
- NO_x
Coal gas; CO_2 recycling system; MCFC; NH_3 (Kawase, M. (104) 265)
- Open circuit voltage
Direct methanol fuel cell (DMFC); Methanol crossover; Cation exchange membrane (Barragán, V.M. (104) 66)
- Performance
Proton exchange membrane; Fuel cell; GrafoilTM; Dew point; Back-pressure (Hwang, J.-J. (104) 24)
- Plasma fluorination
Surface modification; Graphite electrode; Lithium ion battery (Nakajima, T. (104) 108)
- Plastic lithium-ion cells
Pulse power capability; Hybrid vehicles; Calendar life; Cycle life (Lackner, A.M. (104) 1)
- Platinum
Catalytic oxidation; Modification; Methanol; Molybdate; Sulfuric acid (Li, W.S. (104) 281)
- Platinum
Sulfuric acid medium; Hydrogen diffusion anode; Potential oscillations; Lead (Expósito, E. (104) 169)
- Poly(*N*-methylaniline)
Rechargeable batteries; Self-doped polymer; Sulfonated polyaniline (Sivakumar, R. (104) 226)
- Poly(acrylonitrile)
Polymer electrolyte; Fire-retardant; Li battery; Flexible; Cell performance (Akashi, H. (104) 241)
- Polyacrylonitrile
Polymer electrolyte; Conductivity; Cascade additive (Tsutsumi, H. (104) 40)
- Polybenzimidazole (PBI)
Direct methanol fuel cell (DMFC); Nafion[®]117; Screen printing; Methanol crossover; Polymer electrolyte membrane (Hobson, L.J. (104) 79)
- Polymer electrolyte membrane
Direct methanol fuel cell (DMFC); Nafion[®]117; Polybenzimidazole (PBI); Screen printing; Methanol crossover (Hobson, L.J. (104) 79)
- Polymer electrolyte
Ionic conductivity; Copolymer; Electrochemical stability window (Fonseca, C. Polo (104) 85)
- Polymer electrolyte
Poly(acrylonitrile); Fire-retardant; Li battery; Flexible; Cell performance (Akashi, H. (104) 241)
- Polymer electrolyte
Polyacrylonitrile; Conductivity; Cascade additive (Tsutsumi, H. (104) 40)
- Potential oscillations
Sulfuric acid medium; Hydrogen diffusion anode; Platinum; Lead (Expósito, E. (104) 169)
- Proton exchange membrane
Fuel cell; GrafoilTM; Dew point; Back-pressure; Performance (Hwang, J.-J. (104) 24)
- Pulse discharge
Zinc–silver battery; Silver electrode; Silver oxides (Jin, X. (104) 253)
- Pulse power capability
Plastic lithium-ion cells; Hybrid vehicles; Calendar life; Cycle life (Lackner, A.M. (104) 1)
- Rechargeable batteries
Poly(*N*-methylaniline); Self-doped polymer; Sulfonated polyaniline (Sivakumar, R. (104) 226)
- Rechargeable lithium battery
 LiMn_2O_4 ; Micro-emulsion coating; Cycleability; High-temperature (Liu, Z. (104) 101)
- Reflux
Battery; Synthesis; Lithium cobalt oxide; High temperature form (Chang, S.-K. (104) 125)
- Reformer
MCFC; Methane-reforming reaction; Water-gas shift reaction (Park, H.-K. (104) 140)
- Ruthenium oxide
Capacitance; Calcination; Nanocrystallites; Supercapacitor; Xerogel (Wu, N.-L. (104) 62)
- Ruthenium oxide
Colloidal method; Nanocomposite; Supercapacitors (Kim, H. (104) 52)
- Safety
Lithium ion cell; Electrolyte; Thermal stability; Lithium metal; Water (Kawamura, T. (104) 260)
- Screen printing
Direct methanol fuel cell (DMFC); Nafion[®]117; Polybenzimidazole (PBI); Methanol crossover; Polymer electrolyte membrane (Hobson, L.J. (104) 79)
- Secondary lithium battery
 Cu_6Sn_5 ; Chemical reduction; Nanosized material; Alloy anode (Kim, D.G. (104) 221)
- SEI
Lithium ion battery; Graphite exfoliation; Graphite; Electrolyte; *Trans*-butylene carbonate (Chung, G.-C. (104) 7)
- Self-doped polymer
Poly(*N*-methylaniline); Rechargeable batteries; Sulfonated polyaniline (Sivakumar, R. (104) 226)
- Separator paper
Diffusivity; VRLA (Ball, R.J. (104) 208)
- Separator paper
Valve regulated lead acid (VRLA) battery; Cycle life (Ball, R.J. (104) 234)
- SERS
Lithium batteries; The SEI film; Ag electrode (Li, G. (104) 190)
- Silver electrode
Zinc–silver battery; Silver oxides; Pulse discharge (Jin, X. (104) 253)
- Silver oxides
Zinc–silver battery; Silver electrode; Pulse discharge (Jin, X. (104) 253)
- Sulfonated polyaniline
Poly(*N*-methylaniline); Rechargeable batteries; Self-doped polymer (Sivakumar, R. (104) 226)
- Sulfuric acid medium
Hydrogen diffusion anode; Potential oscillations; Platinum; Lead (Expósito, E. (104) 169)
- Sulfuric acid
Catalytic oxidation; Modification; Methanol; Platinum; Molybdate (Li, W.S. (104) 281)

- Supercapacitor**
 Capacitance; Calcination; Nanocrystallites; Ruthenium oxide; Xerogel
 (Wu, N.-L. (104) 62)
- Supercapacitors**
 Colloidal method; Ruthenium oxide; Nanocomposite (Kim, H. (104) 52)
- Surface modification**
 Li-ion battery; Electrochemical reaction; Carbon electrode (Kim, J.-S. (104) 175)
- Surface modification**
 Plasma fluorination; Graphite electrode; Lithium ion battery (Nakajima, T. (104) 108)
- Synthesis**
 Battery; Reflux; Lithium cobalt oxide; High temperature form (Chang, S.-K. (104) 125)
- System analysis**
 Biomass; Gasification; System study; Molten carbonate fuel cell (MCFC) (Kivisaari, T. (104) 115)
- System study**
 Biomass; Gasification; Molten carbonate fuel cell (MCFC); System analysis (Kivisaari, T. (104) 115)
- The SEI film**
 Lithium batteries; SERS; Ag electrode (Li, G. (104) 190)
- Thermal simulation**
 Lithium secondary batteries; Graphite–coke hybrid; Carbon; $\text{LiNi}_{0.7}\text{Co}_{0.3}\text{O}_2$ (Funahashi, A. (104) 248)
- Thermal stability**
 Lithium ion cell; Electrolyte; Lithium metal; Water; Safety (Kawamura, T. (104) 260)
- Tin oxide**
 Mesoporous; Intercalation (Yu, A. (104) 97)
- Trans-butylene carbonate**
 Lithium ion battery; SEI; Graphite exfoliation; Graphite; Electrolyte (Chung, G.-C. (104) 7)
- Valve regulated lead acid (VRLA) battery**
 Separator paper; Cycle life (Ball, R.J. (104) 234)
- VRLA**
 Separator paper; Diffusivity (Ball, R.J. (104) 208)
- Water**
 Lithium ion cell; Electrolyte; Thermal stability; Lithium metal; Safety (Kawamura, T. (104) 260)
- Water-gas shift reaction**
 MCFC; Reformer; Methane-reforming reaction (Park, H.-K. (104) 140)
- X-ray diffraction**
 MCFC; NiO; In situ oxidation; Li content; Lattice parameter (Kudo, T. (104) 272)
- Xerogel**
 Capacitance; Calcination; Nanocrystallites; Ruthenium oxide; Supercapacitor (Wu, N.-L. (104) 62)
- Zinc–silver battery**
 Silver electrode; Silver oxides; Pulse discharge (Jin, X. (104) 253)