

Subject Index of Volume 113

- Active material utilisation
Lead–acid battery; Spirally-wound electrode; Cycle life (Wang, J. (113) 241)
- Additives
Lead–acid battery; Red lead; Formation process; Hydrogen peroxide (Wang, J. (113) 371)
- Ageing
Lead–acid battery; Photovoltaic; Degradations; Cycling test (Potteau, E. (113) 408)
- Ageing
Overageing; Pb–Ca–Sn alloys; Electrochemical corrosion; Mechanical properties; L₁₂ intermetallics (Bourguignon, G. (113) 301)
- Anthracite
Coking; Transmission electron microscopy; X-ray diffraction; Electrochemical properties (Kim, Y.-J. (113) 157)
- Atomic force microscopy
Lead–acid batteries; Negative electrodes; Surface structure; Morphology; Roughness; Topography; Lead; Metal–electrolyte interface (Hirai, N. (113) 329)
- Automotive power system
Impedance spectroscopy; VRLA battery; Simulation model (Buller, S. (113) 422)
- Batteries
Lead–acid; Thin film; Electrodes; Micron (Caballero, A. (113) 376)
- Battery
Hybrid; HEV; Double-layer; Supercapacitor; Power (Pasquier, A.D. (113) 62)
- Battery
Lead–acid; Positive plate; PCL (Shiomi, M. (113) 271)
- Battery
Lithium insertion; Vacant site; NZP; Surface analysis (Manickam, M. (113) 179)
- Battery
Metal hydride; Hydrogen absorption; Metal alloy electrode (Triaca, W.E. (113) 151)
- Binder
Simulation; Thermal; Lithium-ion battery; Polyvinylidene fluoride (Spotnitz, R. (113) 81)
- Bipolar plate
Fuel cells; PEMFC; Flow-field channels; CFD; Fluent (Kumar, A. (113) 11)
- Boric acid
Corrosion; Picric acid; Phosphoric acid; Tin sulphate; Lead–acid battery (Bhattacharya, A. (113) 382)
- Burner
Indirect methanol fuel cell vehicle; Reformer; Thermal integration; Transient response (Sundaresan, M. (113) 19)
- Capacity fade
Simulation; Lithium-ion battery (Spotnitz, R. (113) 72)
- Carbon distribution
PVC-separator; PE-separator; TEM structure; SEM-structure; Oxidation; Elemental maps (Winkler, H. (113) 396)
- Cell design
Polymer electrolyte fuel cell; Cell performance; In-plane gradients (Wilkinson, D.P. (113) 101)
- Cell performance
Polymer electrolyte fuel cell; In-plane gradients; Cell design (Wilkinson, D.P. (113) 101)
- Cells
Rechargeable batteries; Polyaniline; Polymer; Poly-1-naphthol (Rehan, H.H. (113) 57)
- CFD
Fuel cells; PEMFC; Bipolar plate; Flow-field channels; Fluent (Kumar, A. (113) 11)
- Charge and discharge of LA batteries
Lead–acid battery; Modified AGM; VRLAB; Electrolyte stratification (Pavlov, D. (113) 209)
- Charging regime
Lead–acid batteries; Cycle life; Lead negative electrode (Petkova, G. (113) 355)
- CO-tolerance
PEM fuel cells; E-TEK; Engelhard (Qi, Z. (113) 115)
- Coking
Anthracite; Transmission electron microscopy; X-ray diffraction; Electrochemical properties (Kim, Y.-J. (113) 157)
- Concentration cells
Lead–acid batteries; Reference electrodes; Half-cell potentials; Diffusion potentials (Ruetschi, P. (113) 363)
- Corrosion layer
VRLA; Positive electrode (Ball, R.J. (113) 228)
- Corrosion
Picric acid; Phosphoric acid; Boric acid; Tin sulphate; Lead–acid battery (Bhattacharya, A. (113) 382)
- Current and temperature distribution
Solid oxide fuel cell; Three-dimensional model; Fuel utilization (Recknagle, K.P. (113) 109)
- Current collector
Lead–acid battery; Reticulated vitreous carbon; Electroplating (Gyenge, E. (113) 388)
- Cycle life
Lead–acid batteries; Charging regime; Lead negative electrode (Petkova, G. (113) 355)
- Cycle life
Lead–acid batteries; VRLA; Float life; Electrochemistry (Fernández, M. (113) 233)
- Cycle life
Lead–acid battery; Spirally-wound electrode; Active material utilisation (Wang, J. (113) 241)
- Cycling test
Lead–acid battery; Photovoltaic; Degradations; Ageing (Potteau, E. (113) 408)
- Cylindrical cells
Lead–acid; VRLA batteries; Expanders; EV and HEV specifications (Valenciano, J. (113) 318)

- Degradations
Lead-acid battery; Photovoltaic; Cycling test; Ageing (Potteau, E. (113) 408)
- Diffusion potentials
Lead-acid batteries; Reference electrodes; Half-cell potentials; Concentration cells (Ruetschi, P. (113) 363)
- Direct methanol fuel cells
Membrane-electrode assembly (MEA); Polymer electrolytes; High power (Lim, C. (113) 145)
- Discharge process
Tubular positive plates; Reaction zone model (D'Alkaine, C.V. (113) 293)
- Double-layer
Hybrid; HEV; Supercapacitor; Battery; Power (Pasquier, A.D. (113) 62)
- E-TEK
PEM fuel cells; CO-tolerance; Engelhard (Qi, Z. (113) 115)
- EC-AFM
In situ observation; Premature capacity loss; Lead-acid battery; Lead dioxide electrodes; Pb-Sb alloy (Shiota, M. (113) 277)
- ECE-15 test
Expanders; Negative plate; NAM structure; NAM degradation (Papazov, G. (113) 335)
- ELAT
PEM fuel cells; Nafion/carbon sublayer (Qi, Z. (113) 37)
- Electric vehicle batteries
Lead-acid battery; Tubular lead dioxide plates; Structure of lead dioxide active mass; Photovoltaic batteries (Pavlov, D. (113) 255)
- Electrochemical capacitor
Magnetite; Pseudo-capacitance; Nanocrystalline electrode; Sulfite electrolyte (Wu, N.-L. (113) 173)
- Electrochemical corrosion
Ageing; Overageing; Pb-Ca-Sn alloys; Mechanical properties; L₁₂ intermetallics (Bourguignon, G. (113) 301)
- Electrochemical impedance
Lead-acid battery; High-frequency resistance; Internal resistance; State-of-charge; State-of-health (Huet, F. (113) 414)
- Electrochemical properties
Anthracite; Coking; Transmission electron microscopy; X-ray diffraction (Kim, Y.-J. (113) 157)
- Electrochemistry of lead alloys
Lead; Lead dioxide (Paleska, I. (113) 308)
- Electrochemistry
Lead-acid batteries; VRLA; Cycle life; Float life (Fernández, M. (113) 233)
- Electrodes
Lead-acid; Batteries; Thin film; Micron (Caballero, A. (113) 376)
- Electrolyte stratification
Lead-acid battery; Modified AGM; VRLAB; Charge and discharge of LA batteries (Pavlov, D. (113) 209)
- Electrolyte stratification
Photovoltaic batteries; Irreversible sulphation; Radioelements (Mattera, F. (113) 400)
- Electroplating
Lead-acid battery; Current collector; Reticulated vitreous carbon (Gyenge, E. (113) 388)
- Elemental maps
PVC-separator; PE-separator; TEM structure; SEM-structure; Oxidation; Carbon distribution (Winkler, H. (113) 396)
- Engelhard
PEM fuel cells; CO-tolerance; E-TEK (Qi, Z. (113) 115)
- EV and HEV specifications
Lead-acid; VRLA batteries; Cylindrical cells; Expanders (Valenciano, J. (113) 318)
- Expanders
Lead-acid battery; Lignins; Phenolic groups in lignin; Metal-lignin compounds (Matrakova, M. (113) 345)
- Expanders
Lead-acid; VRLA batteries; Cylindrical cells; EV and HEV specifications (Valenciano, J. (113) 318)
- Expanders
Negative plate; NAM structure; ECE-15 test; NAM degradation (Papazov, G. (113) 335)
- Fire retardant
Li-ion battery; Nonflammable electrolyte; Phosphite; Phosphate (Zhang, S.S. (113) 166)
- Float life
Lead-acid batteries; VRLA; Cycle life; Electrochemistry (Fernández, M. (113) 233)
- Flow-field channels
Fuel cells; PEMFC; Bipolar plate; CFD; Fluent (Kumar, A. (113) 11)
- Fluent
Fuel cells; PEMFC; Bipolar plate; Flow-field channels; CFD (Kumar, A. (113) 11)
- Formation process
Lead-acid battery; Additives; Red lead; Hydrogen peroxide (Wang, J. (113) 371)
- Fuel cell
Modelling; Simulation (Ceraolo, M. (113) 131)
- Fuel cells
PEMFC; Bipolar plate; Flow-field channels; CFD; Fluent (Kumar, A. (113) 11)
- Fuel utilization
Solid oxide fuel cell; Three-dimensional model; Current and temperature distribution (Recknagle, K.P. (113) 109)
- Gas diffusion
VRLA batteries; Oxygen recombination (Kirchev, A. (113) 245)
- Geometry
Planar; Solid oxide fuel cell (Tanner, C.W. (113) 44)
- Half-cell potentials
Lead-acid batteries; Reference electrodes; Diffusion potentials; Concentration cells (Ruetschi, P. (113) 363)
- HEV
Hybrid; Double-layer; Supercapacitor; Battery; Power (Pasquier, A.D. (113) 62)
- High power
Direct methanol fuel cells; Membrane-electrode assembly (MEA); Polymer electrolytes (Lim, C. (113) 145)
- High-frequency resistance
Lead-acid battery; Internal resistance; Electrochemical impedance; State-of-charge; State-of-health (Huet, F. (113) 414)
- Hybrid
HEV; Double-layer; Supercapacitor; Battery; Power (Pasquier, A.D. (113) 62)
- Hydrogen absorption
Metal hydride; Metal alloy electrode; Battery (Triaca, W.E. (113) 151)
- Hydrogen peroxide
Lead-acid battery; Additives; Red lead; Formation process (Wang, J. (113) 371)
- Impedance spectroscopy
VRLA battery; Simulation model; Automotive power system (Buller, S. (113) 422)
- In situ observation
EC-AFM; Premature capacity loss; Lead-acid battery; Lead dioxide electrodes; Pb-Sb alloy (Shiota, M. (113) 277)
- In-plane gradients
Polymer electrolyte fuel cell; Cell performance; Cell design (Wilkinson, D.P. (113) 101)

- Indirect methanol fuel cell vehicle
Reformer; Burner; Thermal integration; Transient response (Sundaresan, M. (113) 19)
- Influence of H₂SO₄ concentration
Lead dioxide electrode; Phase composition of PbO₂ active mass; Lead-acid battery (Monahov, B. (113) 281)
- Intermetallic electrode
Lithium batteries; Structure (Thackeray, M.M. (113) 124)
- Internal resistance
Lead-acid battery; High-frequency resistance; Electrochemical impedance; State-of-charge; State-of-health (Huet, F. (113) 414)
- Irreversible sulphation
Photovoltaic batteries; Electrolyte stratification; Radioelements (Matera, F. (113) 400)
- L1₂ intermetallics
Ageing; Overageing; Pb–Ca–Sn alloys; Electrochemical corrosion; Mechanical properties (Bourguignon, G. (113) 301)
- Lanthanum ferrite
SOFC; SDC (Simner, S.P. (113) 1)
- Lead dioxide electrode
Phase composition of PbO₂ active mass; Lead-acid battery; Influence of H₂SO₄ concentration (Monahov, B. (113) 281)
- Lead dioxide electrodes
In situ observation; EC-AFM; Premature capacity loss; Lead-acid battery; Pb–Sb alloy (Shiota, M. (113) 277)
- Lead dioxide
Lead; Electrochemistry of lead alloys (Paleska, I. (113) 308)
- Lead negative electrode
Lead-acid batteries; Charging regime; Cycle life (Petkova, G. (113) 355)
- Lead
Atomic force microscopy; Lead-acid batteries; Negative electrodes; Surface structure; Morphology; Roughness; Topography; Metal-electrolyte interface (Hirai, N. (113) 329)
- Lead
Lead dioxide; Electrochemistry of lead alloys (Paleska, I. (113) 308)
- Lead-acid batteries
Atomic force microscopy; Negative electrodes; Surface structure; Morphology; Roughness; Topography; Lead; Metal-electrolyte interface (Hirai, N. (113) 329)
- Lead-acid batteries
Charging regime; Cycle life; Lead negative electrode (Petkova, G. (113) 355)
- Lead-acid batteries
VRLA; Cycle life; Float life; Electrochemistry (Fernández, M. (113) 233)
- Lead-acid batteries
VRLA; Separators; Negatives plate; Tubular plates (Cooper, A. (113) 200)
- Lead-acid battery
Corrosion; Picric acid; Phosphoric acid; Boric acid; Tin sulphate (Bhattacharya, A. (113) 382)
- Lead-acid battery
Current collector; Reticulated vitreous carbon; Electroplating (Gyenge, E. (113) 388)
- Lead-acid battery
Expanders; Lignins; Phenolic groups in lignin; Metal-lignin compounds (Matrakova, M. (113) 345)
- Lead-acid battery
In situ observation; EC-AFM; Premature capacity loss; Lead dioxide electrodes; Pb–Sb alloy (Shiota, M. (113) 277)
- Lead-acid battery
Photovoltaic; Degradations; Cycling test; Ageing (Potteau, E. (113) 408)
- Lead-acid battery
Spirally-wound electrode; Cycle life; Active material utilisation (Wang, J. (113) 241)
- Lead-acid battery
Tubular lead dioxide plates; Structure of lead dioxide active mass; Electric vehicle batteries; Photovoltaic batteries (Pavlov, D. (113) 255)
- Lead-acid
Batteries; Thin film; Electrodes; Micron (Caballero, A. (113) 376)
- Lead-acid batteries
Reference electrodes; Half-cell potentials; Diffusion potentials; Concentration cells (Ruetschi, P. (113) 363)
- Lead-acid battery
Additives; Red lead; Formation process; Hydrogen peroxide (Wang, J. (113) 371)
- Lead-acid battery
High-frequency resistance; Internal resistance; Electrochemical impedance; State-of-charge; State-of-health (Huet, F. (113) 414)
- Lead-acid battery
Lead dioxide electrode; Phase composition of PbO₂ active mass; Influence of H₂SO₄ concentration (Monahov, B. (113) 281)
- Lead-acid battery
Modified AGM; VRLAB; Electrolyte stratification; Charge and discharge of LA batteries (Pavlov, D. (113) 209)
- Lead-acid
Battery; Positive plate; PCL (Shiomi, M. (113) 271)
- Lead-acid
VRLA batteries; Cylindrical cells; Expanders; EV and HEV specifications (Valenciano, J. (113) 318)
- Li-ion battery
Nonflammable electrolyte; Phosphite; Phosphate; Fire retardant (Zhang, S.S. (113) 166)
- Lignins
Lead-acid battery; Expanders; Phenolic groups in lignin; Metal-lignin compounds (Matrakova, M. (113) 345)
- Lithium batteries
Intermetallic electrode; Structure (Thackeray, M.M. (113) 124)
- Lithium insertion
Vacant site; NZP; Surface analysis; Battery (Manickam, M. (113) 179)
- Lithium-ion battery
Simulation; Capacity fade (Spotnitz, R. (113) 72)
- Lithium-ion battery
Simulation; Thermal; Polyvinylidene fluoride; Binder (Spotnitz, R. (113) 81)
- Magnetite
Electrochemical capacitor; Pseudo-capacitance; Nanocrystalline electrode; Sulfite electrolyte (Wu, N.-L. (113) 173)
- Mechanical properties
Ageing; Overageing; Pb–Ca–Sn alloys; Electrochemical corrosion; L1₂ intermetallics (Bourguignon, G. (113) 301)
- Membrane-electrode assembly (MEA)
Direct methanol fuel cells; Polymer electrolytes; High power (Lim, C. (113) 145)
- Metal alloy electrode
Metal hydride; Hydrogen absorption; Battery (Triaca, W.E. (113) 151)
- Metal hydride
Hydrogen absorption; Metal alloy electrode; Battery (Triaca, W.E. (113) 151)
- Metal-electrolyte interface
Atomic force microscopy; Lead-acid batteries; Negative electrodes; Surface structure; Morphology; Roughness; Topography; Lead (Hirai, N. (113) 329)
- Metal-lignin compounds
Lead-acid battery; Expanders; Lignins; Phenolic groups in lignin (Matrakova, M. (113) 345)

- Micron
Lead-acid; Batteries; Thin film; Electrodes (Caballero, A. (113) 376)
- Modelling
Fuel cell; Simulation (Ceraolo, M. (113) 131)
- Modified AGM
Lead-acid battery; VRLAB; Electrolyte stratification; Charge and discharge of LA batteries (Pavlov, D. (113) 209)
- Morphology
Atomic force microscopy; Lead-acid batteries; Negative electrodes; Surface structure; Roughness; Topography; Lead; Metal-electrolyte interface (Hirai, N. (113) 329)
- Nafion/carbon sublayer
PEM fuel cells; ELAT (Qi, Z. (113) 37)
- NAM degradation
Expanders; Negative plate; NAM structure; ECE-15 test (Papazov, G. (113) 335)
- NAM structure
Expanders; Negative plate; ECE-15 test; NAM degradation (Papazov, G. (113) 335)
- Nanocrystalline electrode
Electrochemical capacitor; Magnetite; Pseudo-capacitance; Sulfite electrolyte (Wu, N.-L. (113) 173)
- Negative electrodes
Atomic force microscopy; Lead-acid batteries; Surface structure; Morphology; Roughness; Topography; Lead; Metal-electrolyte interface (Hirai, N. (113) 329)
- Negative plate
Expanders; NAM structure; ECE-15 test; NAM degradation (Papazov, G. (113) 335)
- Negatives plate
Lead-acid batteries; VRLA; Separators; Tubular plates (Cooper, A. (113) 200)
- Nonflammable electrolyte
Li-ion battery; Phosphite; Phosphate; Fire retardant (Zhang, S.S. (113) 166)
- NZP
Lithium insertion; Vacant site; Surface analysis; Battery (Manickam, M. (113) 179)
- Overageing
Ageing; Pb-Ca-Sn alloys; Electrochemical corrosion; Mechanical properties; L1₂ intermetallics (Bourguignon, G. (113) 301)
- Oxidation
PVC-separator; PE-separator; TEM structure; SEM-structure; Carbon distribution; Elemental maps (Winkler, H. (113) 396)
- Oxygen recombination
VRLA batteries; Gas diffusion (Kirchev, A. (113) 245)
- Pb-Ca-Sn alloys
Ageing; Overageing; Electrochemical corrosion; Mechanical properties; L1₂ intermetallics (Bourguignon, G. (113) 301)
- Pb-Sb alloy
In situ observation; EC-AFM; Premature capacity loss; Lead-acid battery; Lead dioxide electrodes (Shiota, M. (113) 277)
- PCL
Battery; Lead-acid; Positive plate (Shiomi, M. (113) 271)
- PE-separator
PVC-separator; TEM structure; SEM-structure; Oxidation; Carbon distribution; Elemental maps (Winkler, H. (113) 396)
- PEM fuel cells
CO-tolerance; E-TEK; Engelhard (Qi, Z. (113) 115)
- PEM fuel cells
ELAT; Nafion/carbon sublayer (Qi, Z. (113) 37)
- PEMFC
Fuel cells; Bipolar plate; Flow-field channels; CFD; Fluent (Kumar, A. (113) 11)
- Phase composition of PbO₂ active mass
Lead dioxide electrode; Lead-acid battery; Influence of H₂SO₄ concentration (Monahov, B. (113) 281)
- Phenolic groups in lignin
Lead-acid battery; Expanders; Lignins; Metal-lignin compounds (Matrakova, M. (113) 345)
- Phosphate
Li-ion battery; Nonflammable electrolyte; Phosphite; Fire retardant (Zhang, S.S. (113) 166)
- Phosphite
Li-ion battery; Nonflammable electrolyte; Phosphate; Fire retardant (Zhang, S.S. (113) 166)
- Phosphoric acid
Corrosion; Picric acid; Boric acid; Tin sulphate; Lead-acid battery (Bhattacharya, A. (113) 382)
- Photovoltaic batteries
Electrolyte stratification; Irreversible sulphation; Radioelements (Mattera, F. (113) 400)
- Photovoltaic batteries
Lead-acid battery; Tubular lead dioxide plates; Structure of lead dioxide active mass; Electric vehicle batteries (Pavlov, D. (113) 255)
- Photovoltaic
Lead-acid battery; Degradations; Cycling test; Ageing (Potteau, E. (113) 408)
- Picric acid
Corrosion; Phosphoric acid; Boric acid; Tin sulphate; Lead-acid battery (Bhattacharya, A. (113) 382)
- Planar
Solid oxide fuel cell; Geometry (Tanner, C.W. (113) 44)
- Poly-1-naphthol
Rechargeable batteries; Polyaniline; Polymer; Cells (Rehan, H.H. (113) 57)
- Polyaniline
Rechargeable batteries; Polymer; Cells; Poly-1-naphthol (Rehan, H.H. (113) 57)
- Polymer electrolyte fuel cell
Cell performance; In-plane gradients; Cell design (Wilkinson, D.P. (113) 101)
- Polymer electrolytes
Direct methanol fuel cells; Membrane-electrode assembly (MEA); High power (Lim, C. (113) 145)
- Polymer
Rechargeable batteries; Polyaniline; Cells; Poly-1-naphthol (Rehan, H.H. (113) 57)
- Polyvinylidene fluoride
Simulation; Thermal; Lithium-ion battery; Binder (Spotnitz, R. (113) 81)
- Positive electrode
VRLA; Corrosion layer (Ball, R.J. (113) 228)
- Positive plate
Battery; Lead-acid; PCL (Shiomi, M. (113) 271)
- Power
Hybrid; HEV; Double-layer; Supercapacitor; Battery (Pasquier, A.D. (113) 62)
- Premature capacity loss
In situ observation; EC-AFM; Lead-acid battery; Lead dioxide electrodes; Pb-Sb alloy (Shiota, M. (113) 277)
- Pseudo-capacitance
Electrochemical capacitor; Magnetite; Nanocrystalline electrode; Sulfite electrolyte (Wu, N.-L. (113) 173)
- PVC-separator
PE-separator; TEM structure; SEM-structure; Oxidation; Carbon distribution; Elemental maps (Winkler, H. (113) 396)
- Radioelements
Photovoltaic batteries; Electrolyte stratification; Irreversible sulphation (Mattera, F. (113) 400)

- Reaction zone model
Tubular positive plates; Discharge process (D'Alkaine, C.V. (113) 293)
- Rechargeable batteries
Polyaniline; Polymer; Cells; Poly-1-naphthol (Rehan, H.H. (113) 57)
- Red lead
Lead-acid battery; Additives; Formation process; Hydrogen peroxide (Wang, J. (113) 371)
- Reference electrodes
Lead-acid batteries; Half-cell potentials; Diffusion potentials; Concentration cells (Ruetschi, P. (113) 363)
- Reformer
Indirect methanol fuel cell vehicle; Burner; Thermal integration; Transient response (Sundaresan, M. (113) 19)
- Reticulated vitreous carbon
Lead-acid battery; Current collector; Electroplating (Gyenge, E. (113) 388)
- Roughness
Atomic force microscopy; Lead-acid batteries; Negative electrodes; Surface structure; Morphology; Topography; Lead; Metal-electrolyte interface (Hirai, N. (113) 329)
- SDC
SOFC; Lanthanum ferrite (Simner, S.P. (113) 1)
- SEM-structure
PVC-separator; PE-separator; TEM structure; Oxidation; Carbon distribution; Elemental maps (Winkler, H. (113) 396)
- Separators
Lead-acid batteries; VRLA; Negatives plate; Tubular plates (Cooper, A. (113) 200)
- Simulation model
Impedance spectroscopy; VRLA battery; Automotive power system (Buller, S. (113) 422)
- Simulation
Capacity fade; Lithium-ion battery (Spotnitz, R. (113) 72)
- Simulation
Fuel cell; Modelling (Ceraolo, M. (113) 131)
- Simulation
Thermal; Lithium-ion battery; Polyvinylidene fluoride; Binder (Spotnitz, R. (113) 81)
- SOFC
Lanthanum ferrite; SDC (Simner, S.P. (113) 1)
- Solid oxide fuel cell
Planar; Geometry (Tanner, C.W. (113) 44)
- Solid oxide fuel cell
Three-dimensional model; Fuel utilization; Current and temperature distribution (Recknagle, K.P. (113) 109)
- Spirally-wound electrode
Lead-acid battery; Cycle life; Active material utilisation (Wang, J. (113) 241)
- State-of-charge
Lead-acid battery; High-frequency resistance; Internal resistance; Electrochemical impedance; State-of-health (Huet, F. (113) 414)
- State-of-health
Lead-acid battery; High-frequency resistance; Internal resistance; Electrochemical impedance; State-of-charge (Huet, F. (113) 414)
- Structure of lead dioxide active mass
Lead-acid battery; Tubular lead dioxide plates; Electric vehicle batteries; Photovoltaic batteries (Pavlov, D. (113) 255)
- Structure
Lithium batteries; Intermetallic electrode (Thackeray, M.M. (113) 124)
- Sulfite electrolyte
Electrochemical capacitor; Magnetite; Pseudo-capacitance; Nanocrystalline electrode (Wu, N.-L. (113) 173)
- Supercapacitor
Hybrid; HEV; Double-layer; Battery; Power (Pasquier, A.D. (113) 62)
- Surface analysis
Lithium insertion; Vacant site; NZP; Battery (Manickam, M. (113) 179)
- Surface structure
Atomic force microscopy; Lead-acid batteries; Negative electrodes; Morphology; Roughness; Topography; Lead; Metal-electrolyte interface (Hirai, N. (113) 329)
- TEM structure
PVC-separator; PE-separator; SEM-structure; Oxidation; Carbon distribution; Elemental maps (Winkler, H. (113) 396)
- Thermal integration
Indirect methanol fuel cell vehicle; Reformer; Burner; Transient response (Sundaresan, M. (113) 19)
- Thermal
Simulation; Lithium-ion battery; Polyvinylidene fluoride; Binder (Spotnitz, R. (113) 81)
- Thin film
Lead-acid; Batteries; Electrodes; Micron (Caballero, A. (113) 376)
- Three-dimensional model
Solid oxide fuel cell; Fuel utilization; Current and temperature distribution (Recknagle, K.P. (113) 109)
- Tin sulphate
Corrosion; Picric acid; Phosphoric acid; Boric acid; Lead-acid battery (Bhattacharya, A. (113) 382)
- Topography
Atomic force microscopy; Lead-acid batteries; Negative electrodes; Surface structure; Morphology; Roughness; Lead; Metal-electrolyte interface (Hirai, N. (113) 329)
- Transient response
Indirect methanol fuel cell vehicle; Reformer; Burner; Thermal integration (Sundaresan, M. (113) 19)
- Transmission electron microscopy
Anthracite; Coking; X-ray diffraction; Electrochemical properties (Kim, Y.-J. (113) 157)
- Tubular lead dioxide plates
Lead-acid battery; Structure of lead dioxide active mass; Electric vehicle batteries; Photovoltaic batteries (Pavlov, D. (113) 255)
- Tubular plates
Lead-acid batteries; VRLA; Separators; Negatives plate (Cooper, A. (113) 200)
- Tubular positive plates
Discharge process; Reaction zone model (D'Alkaine, C.V. (113) 293)
- Vacant site
Lithium insertion; NZP; Surface analysis; Battery (Manickam, M. (113) 179)
- VRLA batteries
Gas diffusion; Oxygen recombination (Kirchev, A. (113) 245)
- VRLA batteries
Lead-acid; Cylindrical cells; Expanders; EV and HEV specifications (Valenciano, J. (113) 318)
- VRLA battery
Impedance spectroscopy; Simulation model; Automotive power system (Buller, S. (113) 422)
- VRLA
Lead-acid batteries; Cycle life; Float life; Electrochemistry (Fernández, M. (113) 233)
- VRLA
Lead-acid batteries; Separators; Negatives plate; Tubular plates (Cooper, A. (113) 200)
- VRLA
Positive electrode; Corrosion layer (Ball, R.J. (113) 228)
- VRLAB
Lead-acid battery; Modified AGM; Electrolyte stratification; Charge and discharge of LA batteries (Pavlov, D. (113) 209)
- X-ray diffraction
Anthracite; Coking; Transmission electron microscopy; Electrochemical properties (Kim, Y.-J. (113) 157)