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Yazami
International
Symposium



Sustainability through Science & Technology
In honor of Ferid Murad (1998 Nobel Laureate)
27 Nov- 1 Dec 2022
Hilton Phuket Arcadia, Thailand

On Secondary
Battery
Manufacturing &
Recycling

List of Publications of Rachid Yazami

A. Publications in peer reviewed journals

P1. R. YAZAMI and Ph. TOUZAIN

"A reversible graphite-lithium negative electrode for electrochemical generators"

J. Power Sources 9(1983) 365-371

P2. R. YAZAMI, Ph TOUZAIN and L. BONNETAIN

"Générateurs électrochimiques lithium: composés d'insertion du graphite avec $FeCl_3$, $CuCl_2$, $MnCl_2$ et $CoCl_2$ "

Synthetic Metals 7(1983)169-176.

P3. R. YAZAMI and Ph. TOUZAIN

"Composés ioniques du graphite avec $NiCl_2$, BF_4^- et K^+ pour le stockage électrochimique de l'énergie"

Solid State Ionics 9-10(1983) 489-494.

P4. R. YAZAMI, PH. TOUZAIN, Y. CHABRE, D. BERGER and M. COULON

"Piles Li/ Oxyde graphitique part I: Caractérisation et étude de la déshydratation de l'oxyde graphitique"

R. Chimie Minérale 22 (1985) 398-411.

P5. Ph. TOUZAIN, R. YAZAMI, J. MAIRE

"Li/Graphitic Oxide Batteries Part II: High specific surface area graphitic oxide as cathode material for lithium batteries"

J. Power Sources, 14(1985)99-104.

P6. R. YAZAMI and Ph. TOUZAIN

"Li/Graphitic Oxide Batteries Part III: Effect of origin and oxidation of graphite on batteries performances"

Synthetic Metals 12 (1985)499-503.

P7. R. YAZAMI, Ph. TOUZAIN, G. CHOUREAU and A. BRIGGS

"A spin glass like magnetic behavior of an electrochemically reduced Co-GIC"

Synthetic Metals 12 (1985)485-489.

P8. R. YAZAMI, Ph. TOUZAIN, G. CHOUREAU and A. BRIGGS

"An electrochemically reduced graphite-cobalt compound: synthesis and magnetic study".

J. Physique 46 (1985) 1961-1965.

P9. G. CHOUREAU and R. YAZAMI

"Stage 1, CoCl_2 -graphite intercalation compound: a new magnetic state in high field"

Europhysics Letters 3 (1987) 229-233.

P10. R. YAZAMI and G. CHOUREAU

"High field magnetic behavior of a first stage graphite intercalation compound with CoCl_2 "

Synthetic Metals 18 (1987) 543-546.

P11. R. YAZAMI

"New chemical reduction of transition metals chlorides GIC's with n-butyl-lithium"

Synthetic Metals 20(1987)383-386.

P12. M. MERMOUX, R. YAZAMI and PH. TOUZAIN

"Lithium/Graphitic oxide cells. Part IV. Influence of electrolyte and composition. Thermodynamic Model"

J. Power Sources 20(1987)105-110

P13. G. CHOUREAU and R. YAZAMI

"Enhancement of ferromagnetism in a new reduced cobalt-GIC"

Synthetic Metals, 23(1988)243-248.

P14. G. CHOUREAU, J. SCHWEIZER, F. TASSET and R. YAZAMI

"High field memory effect in $\text{CoCl}_2\text{-GI}$: a neutron investigation".

Synthetic Metals, 23(1988)249-255.

P15. R. YAZAMI and A. HAMWI

"A new graphite fluoride compound as electrode material for lithium electrochemical intercalation in solid state cells".

Solid State Ionics 28-30(1988)1756-1761.

P16. Y. CHABRE, P. DENIARD and R. YAZAMI

"Electrochemical lithium intercalation in zirconium diselenide : study of the host compound stoichiometry"

Solid State Ionics 28-30 (1988)1153-1159.

P17. R. YAZAMI P. DENIARD and Y. CHABRE.

"Effect of non-stoichiometry on the electrode properties of zirconium diselenide in lithium/polymer electrolyte batteries".

J. Power Sources 26(1989)273-276.

P18. M. EL HALFIDI, G. CHOUREAU and R. YAZAMI

"Magnetic Behaviour of a stage.1 NiCl_2 graphite intercalation compound"

Synthetic Metals 34(1989)525-530.

P19. R. YAZAMI and T. NAKAJIMA

"Fluoride/fluoride and fluoride/sulfuric acid bi-intercalation graphite compounds"

Synthetic Metals 34(1989)109-114.

P20. A. HAMWI, M. DAOUD, J.C. COUSSEINS and R.YAZAMI.

"New graphite fluorides as electrode materials in lithium batteries"

J. Power Sources, 27(1988)81-87

P21. C. HEROLD, R. YAZAMI and D. BILLAUD

"Dopage Electrochimique du Polyparaphénylène par le sodium en milieu électrolytique solide"

C.R. Acad. Sci. (Paris), t.309. série II,(1990)1365-1369

P22. C. HEROLD, R. YAZAMI and D. BILLAUD

"Electrochemical doping of polyparaphénylène with alkali metals in solid state cells."

Solid State Ionics 40-41(1990)985-987.

P23. R. YAZAMI and T. NAKAJIMA

"The lithium diffusion into graphite intercalation compounds with vanadium and titanium fluorides."

Solid State Ionics 40-41(1990)557-559.

P24. R. YAZAMI and A. HAMWI

"A reversible electrode based on graphite fluoride prepared at room temperature for lithium intercalation."

Solid State Ionics 40-41(1990)982-984.

P25. C. MEYER, G. CHOUTEAU and R. YAZAMI

"Chemical reduction of stage-1 FeCl₃ graphite intercalation compound with n-butyl lithium: a structural, Mössbauer and magnetic study."

J. Physique 51(1990)982-984.

P26. M. EL HALFIDI, G. CHOUTEAU and R. YAZAMI

"Staging influence on the magnetic properties of NiCl₂ intercalation compounds"

Synthetic Metals 40(1991)325-332.

P27. R. YAZAMI and T. NAKAJIMA

"Synthesis and characterization of GICs with titanium oxide fluoride"

Synthetic Metals 40(1991)387-392

P28. S. LEMONT, R. YAZAMI and D. BILLAUD

" Electrochemical Doping of Polyacethylene With Lithium And Potassium In Solid State Cells".

Synthetic Metals 41-43 (1991)1115-1118

P29. C. MEYER, R. YAZAMI, M.F. QUINTON, A. P. LEGRAND, T.NAKAJIMA

"Antimony fluoride GIC prepared under fluorine atmosphere: X ray, ¹²¹Sb Mössbauer Spectrometry and ¹⁹F MNR Study"

Material Sci. Forum 91-93(1992)571-576.

P30. R. YAZAMI, T. NAKAJIMA, J. L. HODEAU, T. FOURNIER

"A new GIC with titanium oxide fluoride: preparation and electron microscope analysis"

Material Sci. Forum 91-93(1992)29-34

P31. R. YAZAMI, T. NAKAJIMA , M. F. QUINTON, A. P. LEGRAND .

"¹⁹F MNR of Graphite bi-intercalation Compounds with Metal fluorides

Mat. Sci. Forum 91-93(1992)88

P32. D. BILLAUD, S. LEMONT et R. YAZAMI

"Electrochemical intercalation of polyacethylene with alkali metals (lithium, sodium and potassium) in solid state cells"

Electrochemica Acta 37(1992)1675-1679

P33. M.F. QUINTON, S. LEONARDELLI, R. YAZAMI, T. NAKAJIMA and A.P. LEGRAND

"¹⁹F NMR studies of fluoride graphite intercalation compounds prepared under fluorine atmosphere"

J. of Fluorine Chem. 57(1992)23-33

P34. R. YAZAMI and D. GUERARD

"Some aspects on the preparation and physical and electrochemical properties of Li_xC₆"

J. Power Sources 43(1993)39-46

P35. R. YAZAMI, K. ZAGHIB and M. DESCHAMPS

"The Carbon-Lithium Negative Electrode: Effects of The Carbon Origin and of the Electrolyte"

J. Liquid Crystals and Molecular Crystals 245(1994)165-170

P36. R. YAZAMI and A. CHERIGUI

"The Electrochemical Behavior of Fullerenes in Liquid Electrolyte"

J. Liquid Crystals and Molecular Crystals 244(1994)209-214

P37. R. YAZAMI, K. ZAGHIB et M. DESCHAMPS

"Carbon fibers and natural graphite as negative electrode for Lithium ion-type batteries."

J. Power Sources 52(1994)55-59

P38. R. YAZAMI:

"Le carbone-Lithium: une Electrode en Plein Essor"

Bull. Soc. Fr. Physique 94(1994)14-16.

P39. R. YAZAMI et M. DESCHAMPS

"High Reversible Capacity Carbon-Lithium Negative Electrode in Polymer Electrolyte" Part I.

J. Power Sources 54 (1995) 411-415.

P40. R. YAZAMI, N. LEBRUN, M. MOLTENI et M. BONNEAU

"High Performances LiCoO₂ Positive Electrode Material".

J. Power Sources 54 (1995)389-392.

P41. Y. KSARI, G. CHOUTEAU, R. YAZAMI, A. CHERIGUI

"Intercalation of the FeCl₄ ion in C₆₀/C₇₀: Magnetic properties of the resulting compound."

Journal of Magnetism & Magnetic Materials 140-144 (1995)2061-2062

P42. R. YAZAMI and M. DESCHAMPS

"Ultra High Reversible Capacity Carbon-Lithium Anode Material"

Progress in Batteries & Battery Materials 15(1996)161-167.

P43. R. YAZAMI and M. DESCHAMPS

"The Lithium-Carbon Electrode in Polymer Electrolyte"

Bull. Electrochem. 12 (1996)206-209.

P44. R. YAZAMI, M. DESCHAMPS, S. GENIES, J.C. FRISON and J. LEDRAN

"Study of the carbon material/electrolyte interface"

J. Power Sources 68(1997)110-113

P45. M. DESCHAMPS and R. YAZAMI

"Great reversible capacity of Carbon-Lithium Electrode in Solid State Polymer Electrolyte"

J. Power Sources 68(1997)236-238

P46. K. ZAGHIB, R. YAZAMI and M. BROUSSELY

"Chemical Passivation of lithiated Carbon Fibers"

J. Power Sources 68(1997)239-241

P47. P. HANY, R. YAZAMI and A. HAMWI

"Low Temperature Carbon Fluoride for High Power Density Lithium Batteries"

J. Power Sources 68(1997)708-710

P48. S. GENIES, R. YAZAMI, J. GARDEN and J. C. FRISON

SEM and FT-IR characterization of the Passivation Film on Lithiated Mesocarbon Fibers"

Synthetic Metals 93(1998)77-82

P49. R. YAZAMI, P. HANY, P. MASSET and A. HAMWI

"Graphite Fluoride Prepared at Mild Temperature for High Energy/High Power Density Lithium Batteries"

J. Liq. Cryst. Molec. Cryst. 310(1998) 397-402

P50. R. YAZAMI

"Surface Chemistry and Lithium Storage Capability of the Graphite-Lithium Electrode"
Electrochimica Acta 45(1999)87-97

P51. R. YAZAMI, S. GENIES

"Chemical Stability of Lithiated-HOPG With Some Organic Electrolytes"
Denki Kagaku 66(1998)1293-1298

P52. R. YAZAMI, S. GENIES, M. ESTRADE and ROUSSEAU:

"XPS and AFM Coupled Study of the Passivation Film on Lithiated HOPG"
Progress in Batteries & Battery Materials 18(1999)58-66

P53. A. MARTINENT AND R. YAZAMI

Thermal dependence of graphite-lithium electrode capacity and interface properties
ITE-Battery Letters 2(2001)76-80

P54. M. J. ROOT, R. DUMAS, R. YAZAMI AND A. HAMWI

The effect of Carbon Starting Material on Carbon Fluoride Synthesized at Room Temperature
J. Electrochem. Soc. 148(2001) A339-A345

P55. R. YAZAMI, H. GABRISCH AND B. FULTZ

Self-organized carbon nanostrips with a new LiC₁₀ structure derived from carbon nanotubes
J. Chem. Phys. 115(2001)10585-10588

P56. R. YAZAMI

From Rome to Como: 20 years of active research on carbon-based electrodes for lithium batteries at INP-Grenoble
J. Power Sources 97-98(2001)33-38

P57. A. MARTINENT, B. LE GORREC, C. MONTELLA, R. YAZAMI

Three-electrode button cell for EIS investigation of graphite electrode
J. Power Sources 97-98(2001)83-86

P58. R. YAZAMI, Y. F. REYNIER

Mechanism of self-discharge in graphite-lithium anode

Electrochim. Acta 47(2002)1217-1223

P59. J. GRAETZ, A. HIGHTOWER, C. C. AHN, R. YAZAMI, P. REZ AND B. FULTZ

Electronic structure of chemically-delithiated LiCoO₂ studied by electron energy-loss spectrometry

J. Phys. Chem. B 106(2002)1286-1289

P60. H. GABRISCH, R. YAZAMI, B. FULTZ

The Character of Dislocations in LiCoO₂

Electrochem. Solid State Letters 5(2002) A111-A114

P61. R. YAZAMI, A. MARTINENT AND Y. REYNIER

Interfacial Phenomena on the Graphite-Lithium Electrode during the Formation Process and Thermal Aging

Ionics 8(2002)344-349

P62. M. HOLZAPFEL, F. ALLOIN, R. YAZAMI

Microcalorimetric study of the reactivity of lithiated HOPG with organic electrolytes

J. Phys. Chem. B 106(2002)13165-13175

P63. J. GRAETZ, C.C. AHN, R. YAZAMI, B. FULTZ

An Electron Energy Loss Spectrometry study of Charge Compensation in LiCo_{0.2}Ni_{0.8}O₂

J. Phys. Chem. B 107(2003)2887-2891

P64. M. HOLZAPFEL, A. MARTINENT, F. ALLOIN, B. LE GORREC, R. YAZAMI AND

C. MONTELLA

First lithiation and charge/discharge cycles of graphite materials, investigated by electrochemical impedance spectroscopy.

J. Electroanal. Chem. 546(2003)41-50

P65. H. GABRISCH, R. YAZAMI, B. FULTZ

A Transmission Electron Microscopy Study of Cycled LiCoO₂

J. Power Sources 119-121(2003)674-679

P66. Y. OZAWA, R. YAZAMI AND B. FULTZ

Study of self-discharge of LiCoO₂ cathode material

J. Power Sources 119-121(2003)918-923

P67. YVAN REYNIER, RACHID YAZAMI AND BRENT FULTZ

The Entropy and Enthalpy of Lithium Intercalation into Graphite

J. Power Sources 119-121(2003)850-855

P68. J. GRAETZ, C. C. AHN, R. YAZAMI AND B. FULTZ

High Reversible Lithium Storage in Nanostructured Silicon

Electrochem. Solid State Letters 6(2003)A194-A197

P69. M. HOLZAPFEL, F. ALLOIN, R. YAZAMI

Calorimetric investigation of the behavior of the passivation film on lithiated graphite at elevated temperatures

Electrochimica Acta 49(2004)581-589

P70. Y. F. REYNIER, R. YAZAMI AND B. FULTZ

Thermodynamics of Lithium Intercalation into Graphites and Disordered Carbons

J. Electrochem. Soc. 151(2004)A422-A426

P71. K. GUERIN, R. YAZAMI AND A. HAMWI

Hybrid-type graphite fluoride as cathode material in primary lithium batteries

Electrochem. Solid State Letters 7(2004)A159-A162

P72. H. GABRISCH, R. YAZAMI AND B. FULTZ

Hexagonal to Spinel Transformation in Lithiated Cobalt Oxide: TEM Investigation

J. Electrochem. Soc. 151(2004)A891-A897

- P73. K. GUÉRIN, J. P. PINHERO, M. DUBOIS, Z. FAWAL, F. MASIN, R. YAZAMI AND A. HAMWI
A new graphite fluoride with hybrid structure
Chem. Materials 16(2004)1786-1792
- P74. J. GRAETZ, C. C. AHN, R. YAZAMI AND B. FULTZ
Nanocrystalline and thin film germanium electrodes with high capacity and high rate capabilities
J Electrochem Soc 151(2004)A698-A702
- P75. R. YAZAMI, Y. OZAWA, H. GABRISCH and B. FULTZ
Mechanism of electrochemical performance decay in LiCoO₂ aged at high voltage
Electrochimica Acta 50(2004)385-390
- P76. Y. OZAWA, R. YAZAMI and B. FULTZ
An x-ray diffractometry study of chemical self-discharge in delithiated cobalt oxide
Electrochem. Solid State Letters 8(2005)A38-A41
- P77. Y. REYNIER, J. GRAETZ, T. SWAN-WOOD, P. REZ, R. YAZAMI, B. FULTZ,
Entropy of Li intercalation in Li_xCoO₂
Phys. Rev. B 70(2004)174304
- P78. A. DAILLY, J. W. L. YIM, C. C. AHN, R. YAZAMI and B. FULTZ
Purification of carbon single-wall nanotubes by potassium intercalation and exfoliation
Applied Physics A. 80(2005)717-722
- P79. RACHID YAZAMI, AUDREY MARTINENT
Fluorinated Anions and Electrode/Electrolyte Stability in Lithium Batteries
Chapter 8 in "Fluorinated Materials for Energy Conversion", T. Nakajima and H. Groult Ed., Elsevier Science Ltd.(2005) p. 173-194
- P80. R. YAZAMI, Y. REYNIER
Thermodynamics and Crystal Structure Anomalies in Lithium Intercalated Graphite
J. Power Sources 153(2006)312-318
- P81. Y. REYNIER, R. YAZAMI and B. FULTZ
XRD evidence of macroscopic composition inhomogeneities in the graphite-lithium electrode

J. Power Sources 165(2007) 616-619

P82. P. LAM and R. YAZAMI

Physical Characteristics and Rate Performance of Li/(CF_x)_n (0.33 < x < 0.66) in Lithium Batteries

J. Power Sources 153(2006)354-359

P83. R. YAZAMI and Y. OZAWA

A kinetics study of self-discharge of spinel electrodes in Li/LiMn₂O₄ cells

J. Power Sources 153(2006)251-257

P84. S. MIAO, M. KOSHER, P. REZ, B. FULTZ, Y. OZAWA, R. YAZAMI and C. C.

AHN

Local electronic structure of layered Li_xNi_{0.5}Mn_{0.5}O₂ and Li_xNi_{1/3}Mn_{1/3}Co_{1/3}O₂

J. Phys. Chem. B. 109(2005)23473-23479

P85. J. WHITACRE, R. YAZAMI, A. HAMWI, M. C. SMART

W. BENNETT, G. K. SURYA PRAKASH, T. MILLER, R. BUGGA

Low Temperature Li-CF_x Batteries Based on Sub-Fluorinated Graphitic Materials

J. Power Sources 160(2006)577-584

P86. J. DODD, R. YAZAMI and B. FULTZ

Phase diagram of LiFePO₄

Electrochem. Solid State Letters 9(2006) A151-A155

P87. A. AIT SALAH, J. DODD, A. MAUGER, R. YAZAMI, F. GENDRON and C.M.

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Structural and magnetic properties of LiFePO₄ and lithium extraction effect

Z. Anorg. Allg. Chemie 632(2006)1598-1605

P88. H. GABRISCH, Y. OZAWA and R. YAZAMI

Crystal Structure of Thermally Aged LiCoO₂ and LiMn₂O₄ Cathodes

Electrochim. Acta 52(2006)1499-1506

P89. R. YAZAMI et F. BÉGUIN

Le carbone dans les systèmes de stockage et de conversion électrochimique de l'énergie

L'Actualité Chimique 295-296(2006)86-90

P90. Y. REYNIER, R. YAZAMI, B. FULTZ and I. BARSUKOV

Evolution of the Thermodynamics with the Graphitization of Carbon

J. Power Sources 165(2007)552-558

P91. J. F. WHITACRE, W. C. WEST, M. C. SMART, R. YAZAMI, G. K. SURYA PRAKASH, A. HAMWI, R. V. BUGGA

Enhanced Low-Temperature Performances of Li-CF_x Batteries

Electrochem. Solid State Let. 10 (2007) A166-A170

P92. R. STEVENS, J. L. DODD, M. G. KRESCH, R. YAZAMI AND B. FULTZ

Phonons and Thermodynamics of Unmixed and Disordered Li_{0.6}FePO₄

J. Phys. Chem. B 110 (2006) 22732-22735

P93. S. MIAO, M. KOCHER, P. REZ, B. FULTZ, R. YAZAMI, AND C. C. AHN

Local Electronic Structure of Olivine Phases of Li_xFePO₄

J. Phys. Chem. A; 111 (2007) 4242 – 4247

P94. F. CHAMSSSEDINE, M. DUBOIS, K. GUÉRIN, J. GIRAUDET, F. MASIN, D.A.

IVANOV, L. VIDAL, R. YAZAMI, A. HAMWI

Reactivity of Carbon Nanotubes with Fluorine Gas

Chem. Mat. 19(2007)161-172

P95. R. YAZAMI, Y. OZAWA, A. HAMWI, K. GUÉRIN, M. DUBOIS, F.

CHAMSSSEDINE, J. GIRAUDET AND F. MASIN

Fluorinated Carbon Nanotubes for High Energy and High Power Densities Primary Lithium Batteries

Electrochem. Comm. 9(2007)1850-1855

P96. J. S. Filhol, C. Combelles, R. Yazami, M. L. Doublet

Phase diagrams for systems with low free energy variation: A coupled theory/experiments method applied to Li-graphite

JOURNAL OF PHYSICAL CHEMISTRY C 112 (2008)3982-3988

P97. H. Gabrisch, T.H. Yi, R Yazami

Transmission electron microscope studies of LiNi_{1/3}Mn_{1/3}Co_{1/3}O₂

before and after long-term aging at 70 degrees C
ELECTROCHEMICAL AND SOLID STATE LETTERS, 11(2008) A119-A124

P. 98. Han, Sang Soo_Yu, Ted H, Merinov, Boris V, van Duin, Adri C. T., Yazami, Rachid, Goddard, William A. III

Unraveling Structural Models of Graphite Fluorides by Density Functional Theory Calculations

CHEMISTRY OF MATERIALS 22 (2010)2142-2154

P.99. H. Gabrisch, R. Yazami

Electron Diffraction Studies of LiNi1/3Mn1/3Co1/3O2 After Charge-Discharge Cycling
ELECTROCHEMICAL AND SOLID STATE LETTERS, 13(2010) A88-A90

P. 100. Sim, Dao Hao; Rui, Xianhong; Chen, Jing; Tan, Huiteng; Lim, Tuti Mariana; Yazami, Rachid; Hng, Huey Hoon; Yan, Qingyu

Direct growth of FeVO₄ nanosheet arrays on stainless steel foil as high-performance binder-free Li ion battery anode

RSC ADVANCES, 2(2012) 3630-3633

P. 101. D.Y.W. Yu, Y. Reynier, J. Dodd Cardema, Y. Ozawa and R. Yazami,
Thermodynamic Study of Lithium-ion Battery Materials, MRS proceedings, Vol. 1388 (2012).

P. 102. Tan Kim Seng, Andrew C. Grimsdale and Rachid Yazami

Synthesis and Characterization of Biphenyl-Based Lithium Solvated Electron Solutions

J. PHYS. CHEM. B, 116(2012)9056–9060

P. 103. Rui, Xianhong; Tan, Huiteng; Sim, Daohao; Liu, Weiling; Xu, Chen); Hng, Huey Hoon; Yazami, Rachid; Lim, Tuti Mariana; Yan, Qingyu

Template-free synthesis of urchin-like Co₃O₄ hollow spheres with good lithium storage properties

J. Power Sources, 222 (2013)97-102

P.104 XH. Rui; XX. Zhao; ZY Lu; HT. Tan; DH. Sim; HH. Hng; R. Yazami; TM. Lim; QY. Yan

Olivine-Type Nanosheets for Lithium Ion Battery Cathodes

ACS NANO 7 (2013)5637-5646

P.105 S. Saadat; JX. Zhu ; DH. Sim; HH. Hng; R. Yazami; QY. Yan

Coaxial Fe₃O₄/CuO hybrid nanowires as ultra fast charge/discharge lithium-ion battery anodes

J. Mat. Chem. A 1(2013)8672-8678

P. 106 K. Maher; R. Yazami

Effect of overcharge on entropy and enthalpy of lithium-ion batteries

Electrochim. Acta 101(2013)71-78

P. 107 YT. Teng; SS. Pramana; JF. Ding; T. Wu; R. Yazami

Investigation of the conversion mechanism of nanosized CoF₂

Electrochim. Acta 107(2013)301-312

P108. K. Maher; R. Yazami

A study of lithium ion batteries cycle aging by thermodynamics techniques

J. Power Sources 247(2013)527-533

P.109 K. Maher; R. Yazami

A thermodynamic and crystal structure study of thermally aged lithium ion cells

J. Power Sources 261(2014)389-400

P110 Tang, Yuxin; Zhang, Yanyan; Deng, Jiyang; Qi, Dianpeng; Leow, Wan Ru; Wei, Jiaqi; Yin, Shengyan; Dong, Zhili; Yazami, Rachid; Chen, Zhong; Chen, Xiaodong

Unravelling the correlation between the aspect ratio of nanotubular structures and their electrochemical performance to achieve high-rate and long-life lithium-ion batteries

Angew. Chemie-Inter. Ed. 53(2014)13488-13492

P111 Leng, Feng; Tan, Cher Ming; Yazami, Rachid;

A practical framework of electrical based online state-of-charge estimation of lithium ion batteries

J. Power Sources 255(2014)423-430

P112 Huang, Xin; Yu, Hong; Chen, Jing; Lu, Ziyang; Yazami, Rachid; Hng, Huey Hoon
Ultrahigh Rate Capabilities of Lithium-Ion Batteries from 3D Ordered Hierarchically Porous Electrodes with Entrapped Active Nanoparticles Configuration
Adv. Mater. 26(2014)1296-130

P. 113 S. Adams; R Yazami

Special issue to "ICMAT 2013, Symposium A: Advanced Materials for Energy Storage Systems -From Fundamentals to Applications, June 30-July 5,2013, Singapore" Preface
Solid State Ionics 268(2014)209-209

P. 114 O. Wijaya; P Hartmann, ; R Younesi ; IIE Markovits ; A Rinaldi ; J Janek ; R Yazami

A gamma fluorinated ether as an additive for enhanced oxygen activity in Li-O₂ batteries

J. Mater. Chem.A 3(2015)19061-19067

P. 115 Z. B. Lim ; K. S. Tan; A. V. Lunchev; H. R. Li; S. J. Cho; A. C. Grimsdale; R. Yazami

Synthesis and assessment of new cyclopenta-2,4-dienone derivatives for energy storage applications

Synthetic Metals 200(2015)85-90

P.116 V. Aravindan; YS Lee; R. Yazami; S. Madhavi

TiO₂ polymorphs in 'rocking-chair' Li-ion batteries

Materials Today 18(2015)345-351

P. 117 Kim Seng Tan; Rachid Yazami

Physical-Chemical and Electrochemical Studies of the Lithium Naphthalenide Anolyte

Eletrochim. Acta 180(2015)629-635

P.118 Yin Ting Teng; Fengxia Wei; Rachid Yazami

Synthesis of Ni_xCo_(1-x)F₂ (x=0, 0.25, 0.50, 0.75, 1.0) and application in lithium ion batteries

J. Alloys Comp. 653(2015)434-443

B. Publications in proceedings of international meetings with peer review

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