

General English Table of Contents, Battery Bimonthly
Vol.33, No.1-6, 2003

| | |
|--|--|
| Scientific review and quick publication of sci-tech papers..... | Study on the cycling capacity of secondary zinc electrodes..... |
|WEN Li (1-1) |HUA Shou-nan <i>et al</i> (2-65) |
| Effect of impurities on electrochemical intercalation/deintercalation | Influence of additives to positive electrode of MH/Ni battery on the |
| Li performance of natural graphite..... | charge performance at high temperature..... |
|ZHOU Xiang-yang <i>et al</i> (1-3) |XIA Bao-jia <i>et al</i> (2-68) |
| Electrochemical behaviors of MnO ₂ electrode doped with nanosized | Electrochemical performance of LiMn ₂ O ₄ through Al ³⁺ and F ⁻ substitutions at elevated temperature..... |
| TiO ₂YAO Hai-jun <i>et al</i> (1-6) |LI Zhi-min <i>et al</i> (2-71) |
| The influences of HTT _{max} on performance of C-MCMB..... | A study of rare earth elements doping on LiCoO ₂ |
|XU Zhong-yu <i>et al</i> (1-8) |DENG Bin <i>et al</i> (2-74) |
| Study on high efficiency sodium polysulfide/bromine energy storage | Phase changes of LiMn ₂ O ₄ during electrochemical cycling..... |
| cell.....GE Shan-hai <i>et al</i> (1-12) |LU Zheng-zhong <i>et al</i> (2-77) |
| Properties study of the regenerated hydrogen storage alloy powder | Study on Zn/air battery and its electrode materials..... |
|DENG Bin <i>et al</i> (1-15) |YANG Hong-ping <i>et al</i> (2-80) |
| Performance of AA size MCMB/Li _{1.04} Mn _{1.96} O ₄ Li-ion battery..... | Development of alkaline Zn/MnO ₂ battery for high-rate discharge..... |
|YU Zhong-bao <i>et al</i> (1-18) |XIA Xi (2-83) |
| Influence of Ag ₂ O additive on the performance of alkaline Zn/MnO ₂ | Electrochemical performance of anticorrosive zinc alloy powder for |
| battery.....ZHU Xiao-ming <i>et al</i> (1-20) | alkaline Zn/MnO ₂ battery.....YUAN Guo-hui <i>et al</i> (2-87) |
| Technology improvement of alkaline Zn/MnO ₂ battery..... | Determination of the internal ionic resistance of porous electrodes..... |
|YANG Lin <i>et al</i> (1-22) |JIN Xian-bo <i>et al</i> (2-90) |
| Research progress in promoting discharge performance of alkaline | The research progress in α-Ni(OH) ₂ |
| Zn/MnO ₂ batteries (II) |ZHOU Qin-jian <i>et al</i> (2-93) |
| Preparation and electrochemical property of battery grade K ₂ FeO ₄ ... | Study on the failure mechanism for positive plate of VRLA battery..... |
|YANG Chang-chun <i>et al</i> (1-27) |BAO You-fu <i>et al</i> (2-96) |
| Electrochemical behavior of Pb-Ca and Pb-Sb-Cd alloys in H ₂ SO ₄ | High speed battery testing and its parameter displaying..... |
|TANG Zheng <i>et al</i> (1-30) |CHEN Jia-yuan (2-99) |
| The research of horizon lead-acid battery..... | Production technology of mercury-free alkaline Zn/MnO ₂ battery |
|XU Yan-fang <i>et al</i> (1-33) | electrolytic MnO ₂XIAO Zheng (2-101) |
| Study on small prismatic MH/Ni battery QNFT20..... | High temperature and high humidity test used in mercury-free alkaline Zn/MnO ₂ battery production.....ZHENG Xi-bao <i>et al</i> (2-103) |
|LOU Yu-wan <i>et al</i> (1-36) | Lead-acid battery industry after China's WTO enter..... |
| Talking about lead-acid battery making..... |ZHANG Ji-yuan (2-105) |
|WU Shou-song (1-39) | Recent progress in the technologies of military communication batteries..... |
| Research progress in alloy anode for aluminium battery..... |WANG Guan-cheng (2-108) |
|WANG Zhen-bo <i>et al</i> (1-41) | Polymer Li-ion battery..... |
| Application of iron electrode material in batteries..... |XIAO Li-xin <i>et al</i> (2-110) |
|HOU Xian-lu <i>et al</i> (1-44) | Development of nano-scale nickel hydroxide..... |
| Preparation of electrode materials for lithium secondary batteries by |YU Dan-mei <i>et al</i> (2-114) |
| composite technologies.....WU Yu-ping <i>et al</i> (1-47) | Progress in studies of the materials for Li-ion batteries..... |
| Development of cathode materials Li-Ni-Co composite oxides for Li-ion |ZHUANG Quan-chao <i>et al</i> (2-116) |
| batteries.....GUI Yang-hai <i>et al</i> (1-51) | Application of nanometer materials in battery system..... |
| The influence of bismuth on hydrogen and oxygen evolution behavior |LIU Xu (2-119) |
| in lead-acid battery.....LONG Xue-mei <i>et al</i> (1-55) | Development of magnesium batteries..... |
| The manual discharge and calculation method of primary batteries... |PENG Cheng-hong <i>et al</i> (2-121) |
|TAO Wen-juan <i>et al</i> (1-58) | Determination of micro-mercury in Zn/MnO ₂ cell by cold vapour atomic absorption spectrometry.....ZHANG Ling <i>et al</i> (2-124) |
| Reusing of spent Cd/Ni batteries.....TANG Hong-wei <i>et al</i> (1-61) | Consideration about the research of treatment of waste dry battery... |
| A new generation of automobile storage battery..... |LI Liang <i>et al</i> (2-126) |
|WU Shou-song (2-63) | |

| | | | |
|--|--------------------------------------|---|-------------------------------------|
| Study on the influence of impurity on the formation process..... | CAI Hui-qun <i>et al</i> (3-129) | Clean production technology of activated manganese dioxide..... | ZHANG Yun-hui <i>et al</i> (3-195) |
| Effect of resin-coating on the nature graphite used as anode materials of Li-ion batteries..... | YU Zheng-hong <i>et al</i> (3-131) | Battery circles must set up the forewarning mechanism (II) | WEN Li (3-197) |
| Influence of the Mn-doped on the electrochemical performance of LiFePO ₄ | QIU Wei-hua <i>et al</i> (3-134) | Effect of surface functional groups on the properties of activated carbon..... | ZHUANG Xin-guo <i>et al</i> (4-199) |
| Study on the effects of two-step heat treatment to high rate discharge hydrogen storage alloys..... | LIU Kai-yu <i>et al</i> (3-136) | Model-building for discharge capacity of Li-ion cell cathode materials | DENG Yan-fang <i>et al</i> (4-203) |
| EIS research on the grid alloys for lead-acid battery..... | HU Xin-guo <i>et al</i> (3-139) | Influences of rapidly quenched technology on activation performance and cycle life of hydrogen storage alloy..... | LI Ping <i>et al</i> (4-205) |
| A study on the start-up and performance of kW class MCFC stack... | LIN Hua-xin <i>et al</i> (3-142) | Development of prismatic MH/Ni traction batteries with medium level power output..... | YANG Yi-fu <i>et al</i> (4-208) |
| Anode material SnO ₂ and its modification of Li-ion battery..... | TONG Jian <i>et al</i> (3-146) | Application of rare earth elements on alkaline zinc electrode..... | HU Jing-wei <i>et al</i> (4-212) |
| Effect of electroless plating and electroplating tin methods on performance of current collector in mercury-free alkaline Zn/MnO ₂ battery..... | LI Xue-ming <i>et al</i> (3-148) | Effects of mechanical grinding on the structure and the electrochemical property of nickel hydroxide..... | YU Dan-mei <i>et al</i> (4-215) |
| The cause of abnormal open circuit voltage of mercury-free alkaline Zn/MnO ₂ battery..... | ZHENG Mu-xuan <i>et al</i> (3-150) | Improving high temperature performance of MH/Ni battery by orthogonal design..... | LIU Jian-hua <i>et al</i> (218) |
| Oxygen electrode catalyst for the metal air fuel cell..... | FANG Zhen-qian <i>et al</i> (3-152) | Causes of gassing and leakage during storage and discharge of mercury-free Zn/MnO ₂ batteries..... | WANG Li-zhen <i>et al</i> (4-221) |
| Effects of catalyst position on oxygen transport in cathode of PEMFC..... | DU Chun-yu <i>et al</i> (3-155) | Analysis and application of activated chemical manganese dioxide..... | CHEN Zhong-jian (4-224) |
| Structure and electrochemical performance of spinel Li _x Mn ₂ O ₄ synthesized under different temperature..... | YAN Jian-hui <i>et al</i> (3-158) | Study on hybrid system of MH/Ni battery and carbon-based supercapacitor..... | ZHANG Xi-gui <i>et al</i> (4-226) |
| Studies on the recharge ability of chemical manganese dioxide..... | ZHOU Jun-ping <i>et al</i> (3-161) | Performance and fabricating technique of Pt/C electrocatalyst used in PEMFC..... | TIAN Jian-hua <i>et al</i> (4-228) |
| Preparation of spinel LiMn ₂ O ₄ | LEI Gang-tie <i>et al</i> (3-164) | Surface modification of pasted Cd anode for alkaline storage battery | LI Zhao-hui <i>et al</i> (4-231) |
| Charge and discharge characteristics of Li-ion batteries for EV..... | WANG Zhi-fu <i>et al</i> (3-167) | Application of human-computer interface in LR03 battery adhesive label trademark machine..... | ZOU Xiao-yun <i>et al</i> (4-234) |
| Action of electromigration in the charge process..... | ZHI Song-ran (3-169) | Experiment on combined application of zinc gel binder..... | LU Cai-xin <i>et al</i> (4-236) |
| Introduction of chemical manganese dioxide production technology | HE Zhou-chu <i>et al</i> (3-171) | Study on the reasons of failure for MH/Ni battery..... | XU Guo-rong <i>et al</i> (4-238) |
| Manufacture of colloidal electrolyte..... | SONG Qing-shan <i>et al</i> (3-173) | The factors affecting the tap density of activating MnO ₂ | XU Ben-jun <i>et al</i> (4-240) |
| Design of R6 zinc-can arrangement machine..... | XIE Ying-jun (3-175) | China's public listed companies and their investment in battery and its related projects..... | WEN Li <i>et al</i> (4-242) |
| The research progress in organic electrolyte for Li-ion batteries..... | YU Xiao-yuan <i>et al</i> (3-177) | A new non-noble metal electro-catalyst for the reduction of oxygen..... | ZHONG Wen-jian <i>et al</i> (4-245) |
| Research progress in reactions and material of nickel hydroxide electrodes..... | LI Su-fang <i>et al</i> (3-181) | Development of Li-ion batteries for military fields and its negative electrode materials..... | PU Wei-hua <i>et al</i> (4-249) |
| Development of oxide materials for negative electrode of Li-ion battery..... | CHEN Jing-bo <i>et al</i> (3-183) | Development of LiFePO ₄ as cathode material of Li-ion battery..... | ZHANG Xin-long <i>et al</i> (4-252) |
| Super-iron Fe (VI) battery and its main effecting factors..... | LIN Zhi-hong <i>et al</i> (3-187) | Research progress in metal hydride electrode..... | JIAN Xu-yu <i>et al</i> (4-255) |
| The status and future of lead□acid batteries for electric-vehicle..... | CHEN Sheng-yang <i>et al</i> (3-190) | Water and heat management problems in PEM fuel cell..... | HU Ming-ruo <i>et al</i> (4-258) |
| The effective control of the battery product quality..... | MA Ming-ju (3-193) | Potentiometric titration analysis of electrolyte of vanadium battery..... | TIAN Bo <i>et al</i> (4-261) |

| | |
|---|--|
| The basic trend of technical progress in VRLA battery (I) | S.Iwasa <i>et al</i> (6-339) |
|ZHANG Sheng-yong (4-264) | |
| Structure and performance of LiFePO ₄ /C composites as cathode materials.....LU Zheng-zhong <i>et al</i> (5-269) | Effect of surface plating on the electrochemical performance of graphite anode of Li-ion batteries.....YU Zheng-hong <i>et al</i> (6-342) |
| Study on the dynamic behavior of a PEMFC system.....QIN Jing-yu <i>et al</i> (5-272) | Study on the structure of corrosion film and the performance of the Pb-Ca-Sn-Ce alloy.....MAO Xian-xian <i>et al</i> (6-345) |
| The effects of rapid quenching on the discharge capacity of AB ₂ Laves phase electrode alloys.....ZHANG Yang-huan <i>et al</i> (5-275) | Structure and characteristics study of graphite for anode of Li-ion batteries.....GUO Hua-jun <i>et al</i> (6-348) |
| LiMn ₂ O ₄ film with excellent performance prepared by a sol-gel method.....DU Ke <i>et al</i> (5-279) | Effect of the pore former on the performance of air electrode.....ZHOU Zhen-tao <i>et al</i> (6-352) |
| Preparation and electrochemical properties of resin carbon-coated graphite.....HE Ming <i>et al</i> (5-281) | A study of modified β-MnO ₂ and its discharge behaviour.....CHEN Zhen <i>et al</i> (6-355) |
| Modification of Perovskite PbTiO ₃ on MnO ₂ electrode.....LIU Xian-ming <i>et al</i> (5-285) | Review of the 8th European Lead-acid Battery Conference (8ELBC) (I)HUA Shou-nan <i>et al</i> (6-358) |
| Preparation and performance of BaFeO ₄ for materials of Li-ion batteries.....LIN Dong-feng <i>et al</i> (5-288) | Application of expanded graphite in alkaline Zn/MnO ₂ batteries.....SHU De-chun <i>et al</i> (6-361) |
| Studies on the electrochemical characteristic of α-MnO ₂ in alkaline solution.....ZHOU Jun-ping <i>et al</i> (5-291) | The application of micro spot welding in battery manufacture.....ZHANG Li-shuang <i>et al</i> (6-363) |
| Synthesis of alkaline zinc manganese battery inhibitor and their performance.....JIANG Jin-zhi <i>et al</i> (5-294) | The fast charge with slow pulse on controlling the polarization of battery.....WANG Jian (6-366) |
| Auto-separating system with PLC structure.....ZHANG Long (5-297) | Evaluation of long-term storage performance of MH/Ni battery.....WANG Zhen-xian (6-369) |
| On the failure mode of VRLA batteries.....WU Xian-zhang <i>et al</i> (5-299) | A study on the oxygen evolution reaction on lead-bismuth alloy in sulfuric acid solution.....LONG Xue-mei <i>et al</i> (6-371) |
| Effect of calcium hydroxide on recharge capability of alkaline zinc electrode.....HU Jing-wei <i>et al</i> (5-302) | A study on corrosion inhibitors of negative electrode material used in mercury-free alkaline Zn/MnO ₂ battery.....WU Tao <i>et al</i> (6-373) |
| Research and applied experiments on primary Zn/Ni battery.....GAO Xiao-yue <i>et al</i> (5-305) | Effects of additives on the properties of super-iron (VI) cathode.....SUN Yan-zhi <i>et al</i> (6-375) |
| Development of TPE for Li/MnO ₂ button cell.....CHEN Xu-huang <i>et al</i> (5-308) | Comparisons of different inhibitors for zinc corrosion in KOH solutions.....ZHOU He-bing <i>et al</i> (6-378) |
| Development of alkaline prismatic zinc-air battery.....CAO Wen-yun <i>et al</i> (5-310) | Performances of colloidal storage battery using thixotropic organic silica gel electrolyte.....CHEN Sheng-yang <i>et al</i> (6-381) |
| Low temperature cranking capability of Cd/Ni aircraft battery.....REN Ying-zi <i>et al</i> (5-312) | The methods for improving the properties of graphite negative electrode materials in Li-ion battery.....CUI Zhen-yu <i>et al</i> (6-384) |
| Design of intelligent test system for rechargeable battery.....HU Jun-da <i>et al</i> (5-314) | Research progress in safety characteristics of Li-ion batteries.....WANG Jing <i>et al</i> (6-388) |
| Research progress on CO removal in methanol reformed gases.....LIU Chun-tao <i>et al</i> (5-316) | Recent developments on Li-ion batteries positive materials.....ZHANG Feng-min <i>et al</i> (6-392) |
| Evaluation of SOC for VRLA battery.....GUI Chang-qing (5-319) | Progress in proton exchange membrane fuel cell and its perspective.....REN Xue-you (6-395) |
| Development of wet-chemical synthesis of lithium manganese oxide.....LI Yun-jiao <i>et al</i> (5-322) | Valve-regulated battery in standby application.....ZHANG Yong <i>et al</i> (6-398) |
| AC impedance models for deinsertion and insertion of Li ⁺LU Dong-sheng <i>et al</i> (5-326) | Some comments about EVs and their batteries.....WU Shou-song (6-401) |
| The development of dual lead-acid batteries for automobiles.....SUN Cheng (5-328) | General Chinese Table of Contents ,Battery Bimonthly, Vol.33, No.1—6,2003.....(6-404) |
| Research progress in electrochemical super-capacitors.....ZHANG Na <i>et al</i> (5-330) | General English Table of Contents ,Battery Bimonthly, Vol.33, No.1—6,2003.....(6-407) |
| Determination for zinc oxide in mercury-free zinc powder.....WU Jin-xing <i>et al</i> (5-333) | Author Index, Battery Bimonthly, Vol. 33, No.1—6,2003.....(6-410) |
| The basic trend of technical progress in VRLA battery (II) | Key words Index,Battery Bimonthly, Vol. 33, No.1—6,2003.....(6-411) |
|ZHANG Sheng-yong (5-335) | |
| Electrochemical behavior of the V (IV) /V (V) couple in sulfuric | |