

BATTERY BIMONTHLY

Vol.35, Number 1 (Serial No.171), Feb., 2005

Main Contents

Brevity is the soul of wit—on paper writing and editing	WEN Li(1)
Preparation and electrochemical performance of Sn-Ni alloys	DONG Quan-feng <i>et al</i> (3)
Performance of the 5 kW H ₂ -air proton exchange membrane fuel cell	ZHAO Yi-lei <i>et al</i> (6)
Structure and electrochemical performance of LiBi _x Mn _{2-x} O ₄	DAI Zhong-xu <i>et al</i> (8)
Intermediate temperature SOFC with multi-layer electrolyte	BI Zhong-he <i>et al</i> (10)
Study on the storage problem of cathode material LiNiO ₂	ZHAO Yu-juan <i>et al</i> (12)
Research on the surface modification of the MH electrode with silver	WU Feng <i>et al</i> (14)
Electrochemical behavior of aluminium in alkaline gelled electrolyte	YU Zu-xiao <i>et al</i> (17)
Study on the preparation and performance of LiMg _x Fe _{1-x} PO ₄	WEN Yan-xuan <i>et al</i> (19)
Study on the performance of air-breathing micro PEMFC	LI Ju-feng <i>et al</i> (21)
Study on the influence of cobalt doping to the performance of lithium manganese oxide	XU Cha-qing <i>et al</i> (23)
Effect of micro features and properties of LiCoO ₂ by Co ₃ O ₄	TAN Mei-juan <i>et al</i> (25)
Crystal structure, preparation and discharge performance for manganese dioxides and related manganese oxides(II)	XIA Xi(27)
Application of magnetism cylinder vacuum equipment at the four-work unite machine	ZHOU Yong-chang(31)
Effect of alloy element on electrochemical behavior of zinc electrode	WANG Li-zhen <i>et al</i> (33)
The application of mixed material based on spinel LiMn ₂ O ₄	LI Xiao-ping <i>et al</i> (35)
Modeling and analyzing on the control of equalization of batteries for electric vehicle	GONG Xue-geng <i>et al</i> (37)
Safety checking of communication power sources	XIE Qi-de <i>et al</i> (39)
VRLA battery application in the boundary net	BAO You-fu(41)
Synthesis and characterization of Pt-Nafion/CNTs	TANG Hao-lin <i>et al</i> (43)
An analysis of dendrite short circuit in VRLA batteries	YAN Jun-hua <i>et al</i> (45)
Oxidation and reduction of lead near the equilibrium potential of PbO ₂ /PbSO ₄	LONG Xue-mei <i>et al</i> (47)
Cycle stability of MCMB/LiCoO ₂ battery	YU Zhong-bao <i>et al</i> (50)
Li-ion battery electric bicycle and its charge mode	XU Bao-bo <i>et al</i> (53)
Influence of carbon black on the performance of battery cathode	LIU Yue-ying <i>et al</i> (55)
Research on lead-fiber lead-acid batteries for electric bicycle	HU Peng-fei <i>et al</i> (57)
Design of the LR6 blister packing machine	ZHONG Mei(59)
Preparation of zinc powder for mercury-free alkaline Zn/MnO ₂ battery	ZHU Qi-an <i>et al</i> (61)
Technology progress in tubular solid oxide fuel cell	ZHOU Li <i>et al</i> (63)
Development status of spirally wound lead-acid batteries	GAO Jun <i>et al</i> (66)
Research progress of sodium polysulfide/bromine energy storage battery	ZHOU Han-tao <i>et al</i> (68)
Preparation of catalysts for DMFC and the use of precursors	WANG Zhen-bo <i>et al</i> (70)
Research progress in the all solid-state thin film lithium micro battery	ZHU Xian-jun <i>et al</i> (72)
Structure changes of cathode materials during charge-discharge	LIU Xin-yan <i>et al</i> (75)
Determination of Co, Ni, Mn in cathode material	ZHANG Ling <i>et al</i> (78)
Determination of arsenic and stibium in mercury-free alkaline Zn/MnO ₂ battery used electrolytic MnO ₂	SHEN Qin <i>et al</i> (80)
Instructions for authors	(82)
News in brief	(2,16,32,40,42,49)

BATTERY BIMONTHLY (DIANCHI in Chinese) is edited and published six times a year by Hunan Light Industry Research Institute, Changsha city, Hunan province, 410015, the People's Republic of China.

Subscription rates for U.S.A., Japan and all other countries: \$ 100.00 (U.S. dollar) per year (includes Air Mail delivery).

Editor in Chief: Wen Li

Fax: (0731)5427570

Te1: (0731)5141901 5427570

Editor: Luo Qiuzhen

E-mail: dianchi@public.cs.hn.cn wenli@public.cs.hn.cn

http://www.batterypub.com