

BATTERY BIMONTHLY

Vol.35, Number 2 (Serial No.172), Apr., 2005

Main Contents

Study on the performance of Nafion1135/SiO ₂ composite membrane for PEMFC.....	YU Jun <i>et al</i> (83)
Study on the dynamical characters of supercapacitor terminal voltage.....	LI Zhong-xue <i>et al</i> (85)
Study on the electrolytes of Li-ion batteries.....	LIU Bo-wen <i>et al</i> (87)
Structure and performance of LiMn ₂ O ₄ modified with LiCoO ₂	CAI Zhen-ping <i>et al</i> (89)
Electrochemical properties of LiV ₃ O ₈ prepared by solution method.....	SONG Wei-xiang <i>et al</i> (91)
Properties of the current collector of all vanadium redox flow battery.....	LI Xiao-gang <i>et al</i> (93)
The synthesis of cathode materials LiNi _{1/2} Mn _{1/2} O ₂ of Li-ion batteries.....	LI Peng <i>et al</i> (95)
Study on the organic electrolyte used in the supercapacitor.....	ZHOU Peng-wei <i>et al</i> (97)
The effects of conductive fiber on the discharging performance of positive.....	LIU Yue-ying <i>et al</i> (100)
Modification study of nano-Ni(OH) ₂ doped copper.....	YU Dan-mei <i>et al</i> (102)
Crystal structure, preparation and discharge performance for manganese dioxides and related manganese oxides (III).....	XIA Xi(105)
Study on the sealant of alkaline Zn/MnO ₂ battery.....	LI Qi-ming <i>et al</i> (109)
Research progress in the high-rate discharge performance of alkaline Zn/MnO ₂ battery.....	DONG Peng-fei(111)
Study on the current collector design of SC size Ni/MH power battery.....	YU Tao <i>et al</i> (113)
Preparation and research of thin plate for lead acid battery.....	GAO Jun <i>et al</i> (115)
Phosphoric acid as an electrolyte additive for VRLA battery.....	BAO You-fu <i>et al</i> (117)
The effects of Al doping on the structure and performance of lithium manganese oxide.....	WANG Zhi-xing <i>et al</i> (119)
Performance of nickel electrode using Co-Ce alloy electrodeposited nickel foam.....	WANG Dian-long <i>et al</i> (121)
Study on the surface modification for spinel LiMn ₂ O ₄	LI Wen <i>et al</i> (123)
Study on the super-high rate discharging performance of Ni/MH battery.....	ZHAO Pei-zheng <i>et al</i> (126)
Study of current collectors for Li-ion batteries.....	NI Jiang-feng <i>et al</i> (128)
Preparation of palladium catalyst for VRLA battery by electroless plating.....	ZHANG Yong <i>et al</i> (131)
Preparation of LiCoO ₂ for cathode materials of Li-ion batteries.....	TANG Hong-wei <i>et al</i> (133)
Effects of the measuring voltages circuit on Li-ion batteries piles.....	JIANG Xin-hua <i>et al</i> (135)
Positive formula and technology of high power alkaline Zn/MnO ₂ battery.....	TIAN Shuan-bao <i>et al</i> (137)
Improving of R20 cathode bobbin making machine.....	ZHANG Hong-sheng(139)
AGM separator and oxygen transfer in VREA battery(I).....	HUA Shou-nan <i>et al</i> (141)
The development and application of ionic liquids in batteries.....	YUAN Hua-tang <i>et al</i> (144)
Research progress in thin film lithium battery.....	DU Ke <i>et al</i> (146)
The development and application of iron-based compound for lithium batteries.....	TANG Zhi-yuan <i>et al</i> (148)
Research progress in natural graphite and surface chemical modification.....	XIONG Jun-wei <i>et al</i> (150)
Research progress in tin-based negative electrode materials for Li-ion batteries.....	WANG Fei <i>et al</i> (152)
Research progress in the Al-doped cathode materials for Li-ion batteries.....	WANG Li-zhen <i>et al</i> (155)
Research progress in Al alloy anodes for alkaline Al-air battery.....	SHU Fang-xia <i>et al</i> (158)
The dissolution analysis of iron compounds in the alkaline solution.....	JIN Hui-jie <i>et al</i> (160)
Mensuration of microelement in cathode materials of lithium cell.....	CHEN Ping <i>et al</i> (162)
Instructions for authors.....	(164)
News in brief.....	(99,110,138,140,145,154)

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

T e l: (0731) 5141901

Fax: (0731) 5427570

Editor: Luo Qiuzhen

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

<http://www.batterypub.com>