

Journal of Electrochemistry

Volume 12 | Issue 4

2006-11-28

Index of Recent Literatures in Electrochemical Technique and its Applications

Recommended Citation

. Index of Recent Literatures in Electrochemical Technique and its Applications[J]. *Journal of Electrochemistry*, 2006 , 12(4): Article 21.

DOI: 10.61558/2993-074X.2765

Available at: <https://jelectrochem.xmu.edu.cn/journal/vol12/iss4/21>

This Latest and Hot Paper is brought to you for free and open access by Journal of Electrochemistry. It has been accepted for inclusion in Journal of Electrochemistry by an authorized editor of Journal of Electrochemistry.

最新电化学技术应用文献摘引

Index of Recent Literatures in Electrochemical Technique and its Applications

能量存储与转移

非光刻硅微柱——微网格燃料电池催化剂载体 Chunhua Feng, Zhiyong Xiao, Philip C H, et al. *Electrochemistry Communications*, 2006, Vol 8(8), 1235-1238

次磷酸盐沉积法化学合成 Pt-Ru-P 电解质以提高直接甲醇燃料电池中甲醇氧化率和 CO 耐受性 Xinzhong Xue, Junjie Ge, Changpeng Liu, et al. *Electrochemistry Communications*, 2006, Vol 8(8), 1280-1286

依据电负性相关的多晶氧化阴离子阴极材料的设计 ($M? = ? Fe, Mn, Co, Ni$) M. E. Arroyo-de Dompablo, M. Armand, J. M. Tarascon, et al. *Electrochemistry Communications*, 2006, Vol 8(8), 1292-1298

纳米晶金红石型二氧化钛的室温合成和锂嵌入 M. Anji Reddy, M. Satya Kishore, V. Pralong, et al. *Electrochemistry Communications*, 2006, Vol 8(8), 1299-1303

聚电解质薄膜电池阴极有序催化剂层的设计 Mitsuharu Chisaka and Hirofumi Daiguji. *Electrochemistry Communications*, 2006, Vol 8(8), 1304-1308

可再充电 5 伏锂离子电池离子液体电解液的可行性研究 E. Markevich, V. Baranchugov and D. Aurbach, et al. *Electrochemistry Communications*, 2006, Vol 8(8), 1331-1334

PEM 燃料电池铁基无定型合金双极板 E. Fleury, J. Jayaraj, Y. C. Kim, et al. *Journal of Power Sources*, 2006, Vol 159(1), 34-37

直接甲醇燃料电池中氯离子修饰 Pt 阴极的电化学表征 Myunghwan Seo, Yongsik Yun, Jaeyoung Lee, et al. *Journal of Power Sources*, 2006, Vol 159(1), 59-62

储氢合金电极 $Mg_{0.9}Ti_{0.1}Ni_{1-x}Pd_x$ ($x=0-0.15$) 的电化学性能 Qi-Feng Tian, Yao Zhang, Hai-Liang Chu, et al. *Journal of Power Sources*, 2006, Vol 159(1), 155-158

Cr 部分取代 Ni 对 $Mg_{1.75}Al_{0.25}Ni_{1-x}Cr_x$ ($0 \leq x \leq 0.3$) 合金电极电化学性能的影响 Mei-Han Wang, Yao Zhang, Lian-Zhong Zhang, et al. *Journal of Power Sources*, 2006, Vol 159(1), 159-162

Mg-Ce/Ni 纳米晶复合物的储氢性能 X. L. Wang, J. P. Tu, C. H. Wang, et al. *Journal of Power Sources*, 2006, Vol 159(1), 163-166

退火温度对薄层 $LiMn_2O_4$ 阴极电化学性能的影响 Fu-Yun Shih and Kuan-Zong Fung. *Journal of Power Sources*, 2006, Vol 159(1), 179-185

以硫化物基玻璃陶瓷作电解质的全固态二级锂电池组 Masahiro Tatsumisago, Fuminori Mizuno and Akitoshi Hayashi. *Journal of Power Sources*, 2006, Vol 159(1), 193-199

锂离子电池组新型阳极材料—— TiO_2/C 纳米复合物 L. J. Fu, H. Liu, H. P. Zhang, et al. *Journal of Power Sources*, 2006, Vol 159(1), 219-222

二次锂电池中 $LiFePO_4$ 合成条件对性能的影响 Do-Kyun Kim, Hyun-Min Park, Su-Jin Jung, et al. *Journal of Power Sources*, 2006, Vol 159(1), 237-240

锂离子电池中纳米 PbO 材料的现场溶液喷溅技术制备 K. Konstantinov, S. H. Ng, J. Z. Wang, et al. *Journal of Power Sources*, 2006, Vol 159(1), 241-244, G. X. Wang, D. Wexler and H. K. Liu

作为锂离子电池阴极的 NiO 纳米管的合成 S. A. Needham, G. X. Wang and H. K. Liu. *Journal of Power Sources*, 2006, Vol 159(1), 254-257

Li 和 Na 二次电池中 $FePO_4$ 阴极的性能 T. Shiratsuchi, S. Okada, J. Yamaki, et al. *Journal of Power Sources*, 2006, Vol 159(1), 268-271

锂离子电池 $NbSb_2$ 阳极材料 M. Anji Reddy and U. V. Varadaraju. *Journal of Power Sources*, 2006, Vol 159(1), 336-339

- 锂离子电池纳米结构球状多孔 SnO_2 阳极 L. Yuan, Z. P. Guo, K. Konstantinov, et al. *Journal of Power Sources*, 2006, Vol 159(1), 345-348
- 纳米 MnO_2 的水热合成及其作为超电容电极材料的电化学性能 V. Subramanian, Hongwei Zhu and Bingqing Wei. *Journal of Power Sources*, 2006, Vol 159(1), 361-364
- 聚3,4-二乙基二氧噻吩/聚吡咯复合物的电容量性质 Youlong Xu, Jie Wang, Wei Sun, et al. *Journal of Power Sources*, 2006, Vol 159(1), 370-373
- 直接甲醇燃料电池 PtRu/C-Au/TiO₂ 电催化剂 Hyun-Jong Kim, Do-Young Kim, Haksoo Han, et al. *Journal of Power Sources*, 2006, Vol 159(1), 484-490
- 燃料供给方法对 SOFC-PEFC 系统性能的影响 M. Yokoo, K. Watanabe, M. Arakawa, et al. *Journal of Power Sources*, 2006, Vol 159(2), 836-845
- 壳聚糖-聚乙烯基吡咯烷酮混合物作为膜在直接甲醇燃料电池中的应用 B. Smitha, S. Sridhar and A. A. Khan, et al. *Journal of Power Sources*, 2006, Vol 159(2), 846-854
- IT-SOFC 的燃料电池钙钛矿型材料应用研究 J. Pe? a-Martínez, D. Marrero-López, J. C. Ruiz-Morales, et al. *Journal of Power Sources*, 2006, Vol 159(2), 914-921
- 固体氧化物燃料电池印刷 YSZ 薄膜电解质 Xiaodong Ge, Xiqiang Huang, Yaohui Zhang, et al. *Journal of Power Sources*, 2006, Vol 159(2), 1048-1050
- 以多层碳纳米管作阳极的新型硼氢化物燃料电池:提高能量输出的一步 K. Deshmukh and K. S. V. Santhanam. *Journal of Power Sources*, 2006, Vol 159(2), 1084-1088
- 二氧化铈复合层对熔融碳酸盐燃料电池耐受 H_2S 的影响 Harry Devianto, Sung Pil Yoon, Suk Woo Nam, et al. *Journal of Power Sources*, 2006, Vol 159(2), 1147-1152
- 一种新型的水解氢复合光催化剂 Honghui Yang, Liejin Guo, Wei Yan, et al. *Journal of Power Sources*, 2006, Vol 159(2), 1305-1309
- 纳米 $\text{Li}_4\text{Ti}_5\text{O}_{12}$ 的低温性能 J. L. Allen, T. R. Jow and J. Wolfenstine. *Journal of Power Sources*, 2006, Vol 159(2), 1340-1345
- 锂离子电池阴极材料 LiCoO_2 - Li_2MnO_3 固溶体的制备和电化学性能 Yucheng Sun, Yuki Shiosaki, Yonggao Xia, et al. *Journal of Power Sources*, 2006, Vol 159(2), 1353-1359
- $\text{Li}_{0.33}\text{MnO}_2$ —锂电池电极材料 C. M. Julien, B. Banov, A. Momchilov, et al. *Journal of Power Sources*, 2006, Vol 159(2), 1365-1369
- 锂离子二次电池碳复合 LiFePO_4 阴极材料的电化学性质 Ho Chul Shin, Won Il Cho and Ho Jang. *Journal of Power Sources*, 2006, Vol 159(2), 1383-1388
- LiV_3O_8 阴极的低温合成及电化学行为 A. M. Kannan and A. Manthiram. *Journal of Power Sources*, 2006, Vol 159(2), 1405-1408
- 一种新型的聚合物电解质系统:(PEO)_n:NaPO₃ Amrtha Bhide and K. Hariharan. *Journal of Power Sources*, 2006, Vol 159(2), 1450-1457
- 添加剂存在时锌/空气电池锌阳极的异常电化学行为 Chang Woo Lee, K. Sathiyanarayanan, Seung Wook Eom, et al. *Journal of Power Sources*, 2006, Vol 159(2), 1474-1477
- 生物燃料电池及其作为可储存能源的应用 Alyssa L. Walker and Charles W. Walker, et al. *Journal of Power Sources*, 2006, Vol 160(1), 123-129
- 锌/空气燃料电池添加剂对锌阳极电化学行为的影响 Chang Woo Lee, K. Sathiyanarayanan, Seung Wook Eom, et al. *Journal of Power Sources*, 2006, Vol 160(1), 161-164
- PEMFC 流场设计中通道长度的影响 S. Shimpalee, S. Greenway and J. W. Van Zee, et al. *Journal of Power Sources*, 2006, Vol 160(1), 398-406
- 操作条件对直接硼氢化物燃料电池性能的影响 H. Cheng and K. Scott. *Journal of Power Sources*, 2006, Vol 160(1), 407-412
- 长期运作的 DMFC 衰退测定 Ho Kim, Se-Jong Shin, Young-gil Park, et al. *Journal of Power Sources*, 2006, Vol 160(1), 440-445
- 含氟化石墨材料阴极的低温 Li-CF_x 电池 Jay Whitaere, Rachid Yazami, André Hamwi, et al. *Journal of Power Sources*, 2006, Vol 160(1), 577-584

- 用于二次锂电池含添加剂的离子液体电解质 Jinqiang Xu, Jun Yang, Yanna NuLi, H. Cheng and K. Scott. *Journal of Power Sources*, 2006, Vol 160(1), 621-626
- 以 $\text{LiMn}_{1.5}\text{Ni}_{0.5}\text{O}_4$ 作阴极改进 5V 硬币状电池的电化学性能 Rahul Singhal, Suprem R. Das, Osbert Oviedo, et al. *Journal of Power Sources*, 2006, Vol 160(1), 651-656
- 钠离子电池 $\text{NaV}_{1-x}\text{Cr}_x\text{PO}_4\text{F}$ 阴极材料的制备 Haitao Zhuo, Xianyou Wang, Anping Tang, et al. *Journal of Power Sources*, 2006, Vol 160(1), 698-703
- 碱性可再生电池纳米尺度 α 氢氧化镍电极材料的评价 Wei-Kang Hu, Xue-Ping Cao, Dag Noréus, et al. *Journal of Power Sources*, 2006, Vol 160(1), 704-710
- 稀土氧化物对 MCFC 的改进作用 Ken-ichiro Ota, Yoshiyuki Matsuda, Koichi Matsuzawa, et al. *Journal of Power Sources*, 2006, Vol 160(2), 811-815
- 高温 PEM 燃料电池 Jianlu Zhang, Zhong Xie, Jiujun Zhang, et al. *Journal of Power Sources*, 2006, Vol 160(2), 872-891
- 低温固体氧化物燃料电池直接利用甲醇的二氧化铈包覆镍阳极 Wei Zhu, Changrong Xia, Jue Fan, et al. *Journal of Power Sources*, 2006, Vol 160(2), 897-902
- 中温固体氧化物燃料电池中 $\text{Nd}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.5}\text{Fe}_{0.5}\text{O}_{3-\delta}\text{-Ag}$ 复合物阴极的电化学性能 K.T. Lee and A. Manthiram. *Journal of Power Sources*, 2006, Vol 160(2), 903-908
- 直接甲醇燃料电池的低温性能:阴极的最优化 Tatyana V. Reshetenko, Hee-Tak Kim, Hankyu Lee, et al. *Journal of Power Sources*, 2006, Vol 160(2), 925-932
- 以 Ti 网作阳极的管状直接甲醇燃料电池 Zhi-Gang Shao, Wen-Feng Lin, Fuyun Zhu, et al. *Journal of Power Sources*, 2006, Vol 160(2), 1003-1008
- 中温固体氧化物燃料电池有应用前途的合金 Shuijiang Geng and Jiahong Zhu. *Journal of Power Sources*, 2006, Vol 160(2), 1009-1016
- 直接甲醇燃料电池 MEA 制备方法对电池性能的影响 Jian Zhang, Geping Yin, Zhenbo Wang, et al. *Journal of Power Sources*, 2006, Vol 160(2), 1035-1040
- SOFCE 镍铬合金连接体评价 Zhenguo Yang, Guan-Guang Xia and Jeffry W. Stevenson. *Journal of Power Sources*, 2006, Vol 160(2), 1104-1110
- 以 $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3+\delta}$ 作阴极的印刷 $\text{Ce}_{0.8}\text{Sm}_{0.2}\text{O}_{1.9}$ 层固体氧化物燃料电池 Yaohui Zhang, Xiqiang Huang, Zhe Lu, Zhiguo Liu, et al. *Journal of Power Sources*, 2006, Vol 160(2), 1217-1220
- 锂离子聚合物电池的过充研究 Yuqun Zeng, Kai Wu, Deyu Wang, et al. *Journal of Power Sources*, 2006, Vol 160(2), 1302-1307
- 使用二氟碘酰亚胺低粘度离子液体的 Li/LiCoO_2 电池的快速循环 Hajime Matsumoto, Hikari Sakaebi, Kuniaki Tatsumi, et al. *Journal of Power Sources*, 2006, Vol 160(2), 1308-1313
- 应用分子筛制备的一种新型锂离子电池多微孔聚合物电解质 Yan-Xia Jiang, Zuo-Feng Chen, Quan-Chao Zhuang, et al. *Journal of Power Sources*, 2006, Vol 160(2), 1320-1328
- 4? V 阴极 $\text{Li}(\text{Ni}_{2/3}\text{Mn}_{1/3})\text{O}_2$ 的合成和电化学研究 M. V. Reddy, G. V. Subba Rao and B. V. R. Chowdari. *Journal of Power Sources*, 2006, Vol 160(2), 1369-1374
- 锂电池过充保护有机杂环分子添加剂 Yuu Watanabe, Yohei Yamazaki, Kazuhiro Yasuda, et al. *Journal of Power Sources*, 2006, Vol 160(2), 1375-1380
- 过放电对锂离子电池热力学稳定性的影响 Hossein Maleki and Jason N. Howard. *Journal of Power Sources*, 2006, Vol 160(2), 1395-1402
- 硫化钠——铅酸电池涂糊阴极的一种有效添加剂 Mohammad Ali Karimi, Hassan Karami and Maryam Mahdipour. *Journal of Power Sources*, 2006, Vol 160(2), 1414-1419
- 铝 - 氢过氧化氢燃料电池纳米银催化镍泡沫阴极 Weiqian Yang, Shaohua Yang, Wei Sun, et al. *Journal of Power Sources*, 2006, Vol 160(2), 1420-1424
- 一种新型的镍 - 金属氢化物电池电极材料:球磨研磨制备的 MgNiPt 合金 Elki C. Souza, J. F. R. de Castro and Edson A. Ticianelli. *Journal of Power Sources*, 2006, Vol 160(2), 1425-1430
- 碱性电池以碳素钢作活性材料的电化学表征 Kiyoshi Ujimine and Atsushi Tsutsumi. *Journal of Power Sources*, 2006, Vol 160(2), 1431-1435
- 可改善锌/空气电池锌阳极电化学行为的新型合金 Chang Woo Lee, K. Sathiyanarayanan, Seung Wook Eom, et al. *Journal*

- of Power Sources, 2006, Vol 160(2), 1436-1441
锌-聚苯胺电池的新型电解质 B. Z. Jugović, T. Lj. Trišović, J. Stevanović, et al. Journal of Power Sources, 2006, Vol 160(2), 1447-1450
以稳定聚合物-杂交纳米粒子复合物作电解质的一种准固态染料敏化太阳能电池 Xiao Zhang, Hong Yang, Huan-Ming Xiong, et al. Journal of Power Sources, 2006, Vol 160(2), 1451-1455
质子膜燃料电池金属双极板的研究 Toyoaki Matsuura, Megumi Kato and Michio Hori. Journal of Power Sources, 2006, Vol 161(1), 74-78
一种高效的氨燃料化固体氧化物燃料电池 Qianli Ma, Ranran Peng, Yongjing Lin, et al. Journal of Power Sources, 2006, Vol 161(1), 95-98
一种新型的 La(Sr)Fe(Co)O₃-Ag SOFC 阴极的性能 Steven P. Simner, Michael D. Anderson, James E. Coleman, et al. Journal of Power Sources, 2006, Vol 161(1), 115-122
以新型 BSCF 作阴极的高效低温固体氧化物燃料电池 Q. L. Liu, K. A. Khor and S. H. Chan. Journal of Power Sources, 2006, Vol 161(1), 123-128
便携式的新型空气交换直接甲醇燃料电池 Y. H. Pan. Journal of Power Sources, 2006, Vol 161(1), 282-289
NiO-YSZ 金属陶瓷支撑型低温固体氧化物燃料电池 Xinge Zhang, Mark Robertson, Cyrille Decès-Petit, et al. Journal of Power Sources, 2006, Vol 161(1), 301-307
TiO₂纳米管阵列的电化学储氢 P. Pillai, K. S. Raja and M. Misra. Journal of Power Sources, 2006, Vol 161(1), 524-530
可再充电锂电池过充保护的聚三苯胺电活性分离材料 J. K. Feng, X. P. Ai, Y. L. Cao, et al. Journal of Power Sources, 2006, Vol 161(1), 545-549
聚醚修饰硅氧烷——可再充电锂电池的电解质添加剂 Tsuyoshi Inose, Satoru Tada, Hideyuki Morimoto, Journal of Power Sources, 2006, Vol 161(1), 550-559
新型锂电池高效复合聚合物电解质 F. Croce, S. Sacchetti and B. Scrosati. Journal of Power Sources, 2006, Vol 161(1), 560-564
使用碳纤维复合物的锂离子电池过充研究 S. Hossain, Y.-K. Kim, Y. Saleh, et al. Journal of Power Sources, 2006, Vol 161(1), 640-647
硫酸浓度对铅酸电池性能的影响:H-型和P-型 D. Pavlov, V. Naidenov and S. Ruevski. Journal of Power Sources, 2006, Vol 161(1), 658-665
一种可再充电的锌-聚(m-二氨基酸苯胺)电池 Jing Zhang, Dan Shan and Shaolin Mu. Journal of Power Sources, 2006, Vol 161(1), 685-691
可再充的固体聚合物质子电池 Rana Pratap, B. Singh and S. Chandra. Journal of Power Sources, 2006, Vol 161(1), 702-706
用纳米结构介孔碳作为超电容电极 S. R. S. Prabaharan, R. Vimala and Zulkarnian Zainal. Journal of Power Sources, 2006, Vol 161(1), 730-736
高锰酸钾溶液静电喷射沉积法制备电化学电容器锰氧化物电极 Yang Dai, Ke Wang, Jiachang Zhao, et al. Journal of Power Sources, 2006, Vol 161(1), 737-742
制备锂镍钴氧化物多孔膜的一种新方法 Carla Polo Fonseca, Ricardo M. Paula, Eliria M. J. A. Pallone, et al. Electrochimica Acta, 2006, Vol 51(28), 6419-6425
中温燃料电池固态质子导体 NH₄PO₃-(NH₄)₂Mn(PO₄)₄ Xilin Chen, Xu Li, Shuai Jiang, et al. Electrochimica Acta, 2006, Vol 51(28), 6542-6547
锂聚合物电池 PE-g-MMA 聚合物电解质隔膜 Kun Gao, Xinguo Hu, Tingfeng Yi, et al. Electrochimica Acta, 2006, Vol 52(2), 443-449
制备锂离子电池聚(丙烯腈-丁基丙烯酸酯)凝胶电解液的制备 Zheng Tian, Xiangming He, Weihua Pu, et al. Electrochimica Acta, 2006, Vol 52(2), 688-693
用于锂离子电池的纳米硅 Michael Holzapfel, Hilmi Buqa, Laurence J. Hardwick, et al. Electrochimica Acta, 2006, Vol 52(3), 973-978
用于电化学电容器的填充无定形 Ru_{1-x}Cr_xO₂的 TiO₂纳米管 Gao Bo, Zhang Xiaogang, Yuan Changzhou, et al. Electrochimica Acta, 2006, Vol 52(3), 1028-1032
用于电化学超电容器的新奇高强度对称的 ZnO/碳气溶胶复合电极 D. Kalpana, K. S. Omkumar, S. Suresh Kumar, et al.

Electrochimica Acta, 2006, Vol 52(3), 1309-1315

电沉积、刻蚀

- 电沉积制备高级锂离子电池 Ni-Sn 金属化合物电极 J. Hassoun, S. Panero and B. Scrosati. Journal of Power Sources, 2006, Vol 160(2), 1336-1341
- 电沉积制备磁阻颗粒状 Cu-Co-Ni 涂层 Salvador Pané, Elvira Gómez and Elisa Vallés. Journal of Electroanalytical Chemistry, 2006, Vol 596(2), 87-94
- 非热电化学合成单相、多孔、纳米结构 BiFeO₃ 小板 T. P. Gujar, V. R. Shinde, C. D. Lokhande, et al. Electrochemical and Solid-State Letters, 2007, Vol 10(1), D1-D5
- 表面活性剂促进胶体(CdHg)S 膜的电沉积及其光电化学表征 Sameer S D Mishra and Kehar Singh
- 钴-钆合金的模板电沉积 R. Mishra and E. J. Podlaha, Electrochemical and Solid-State Letters, 2006, Vol 9(12), C199-C202
- 电化学反应制备 Zn_{1-x}Mg_xO 膜 H. Ishizaki and N. Yamada. Electrochemical and Solid-State Letters, 2006, Vol 9(11), C178-C180
- 铜在钽基底上的无电沉积 Chang Hwa Lee, Soonsik Hwang, Sang-Chul Kim, et al. Electrochemical and Solid-State Letters, 2006, Vol 9(10), C157-C160
- 脉冲-MOCVD 法制备 PZT 电容器化学当量 SrRuO₃ 电极 Jun Minamidate, Atsushi Nagai, Sukpil Kim, et al. Electrochemical and Solid-State Letters, 2006, Vol 9(10), C164-C166
- 掩膜电沉积制备锥型铜图案布线 Shrane Ning Jenq, Chi Chao Wan, Yung Yun Wang, et al. Electrochemical and Solid-State Letters, 2006, Vol 9(10), C167-C170
- 有机添加剂存在下铜层电沉积的机械诱导生长速率差别 Bülent M. Basol, Ayse Durmus, Tony Wang, et al. Journal of The Electrochemical Society, 2006, Vol 153(10), C683-C688
- 影响镁沉积和分解的电化学可逆性关键因素 Zhenzhen Feng, Yanna NuLi, Jiulin Wang, et al. Journal of The Electrochemical Society, 2006, Vol 153(10), C689-C693
- 阴极上硅的电化学刻蚀过程的新进展 Yoshio Ichii and Hidekazu Goto, Journal of The Electrochemical Society, 2006, Vol 153(10), C694-C700
- 应用浸镀法于杂 n 型多孔硅上合成多孔铂层 José Geraldo Alves Brito-Neto, Shintaro Araki, and Masanori Hayase, et al. Journal of The Electrochemical Society, 2006, Vol 153(11), C741-C746
- 钇-铁氟盐层的电沉积和溶解 András Róka, Imre Varga and György Inzelt. Electrochimica Acta, 2006, Vol 51(28), 6243-6250
- 有机溶剂中电沉积 ZnTe Pilwon Heo, Ryoichi Ichino and Masazumi Okido. Electrochimica Acta, 2006, Vol 51(28), 6325-6330
- 用于磁-MEMS 设备的 FeCoNi 薄膜的电沉积 B. Y. Yoo, S. C. Hernandez, D.-Y. Park. Electrochimica Acta, 2006, Vol 51(28), 6346-6352
- 镍-磷无电沉积钯纳米颗粒的活性影响 Li-Chen Kuo, Yu-Ching Huang, Chien-Liang Lee. Electrochimica Acta, 2006, Vol 52(1), 353-360

腐蚀与防护

- 铅酸电池 PbCaSn 合金的腐蚀处理:成分的影响、金属相态和电压条件 E. Rocca, G. Bourguignon and J. Steinmetz. Journal of Power Sources, 2006, Vol 161(1), 666-675
- 熔融碳酸盐燃料电池阳极电流采集器的腐蚀 Sara Randström, Carina Lagergren and Paolo Capobianco. Journal of Power Sources, 2006, Vol 160(2), 782-788
- 碳钢在多相湍流和二氧化碳下的腐蚀 J. Villarreal, D. Laverde and C. Fuentes, Corrosion Science, 2006, Vol 48(9), 2363-2379
- 环氧树脂作为铝和锌颜料的腐蚀抑制剂 B. Müller and S. Fischer. Corrosion Science, 2006, Vol 48(9), 2406-2416
- 新型巯基化合物作为 1M HCl 中钢的腐蚀抑制剂 M. Elayyachy, A. El Idrissi and B. Hammouti. Corrosion Science, 2006, Vol 48(9), 2470-2479
- 氮气对奥氏不锈钢中隙间腐蚀 H. Baba and Y. Katada. Corrosion Science, 2006, Vol 48(9), 2510-2524

- 硫酸钠和碳酸氢钠溶液中 20SiMn 低合金钢的空蚀侵蚀行为 Sheng Li Jiang, Yu Gui Zheng and Zhi Ming Yao. Corrosion Science, 2006, Vol 48(9), 2614-2632
- 低碳钢在热腐蚀剂中的侵蚀 - 腐蚀:Part I 氢氧化钠溶液 Rihan Omar Rihan and Srdjan Nešić. Corrosion Science, 2006, Vol 48(9), 2633-2659
- 低碳钢在热腐蚀剂中的侵蚀 - 腐蚀:酸洗的影响 Rihan Omar Rihan and Srdjan Nešić. Corrosion Science, 2006, Vol 48(9), 2660-2675
- 化学净化过程对蒸气机热交换管腐蚀的影响 A. Szabó, K. Varga, Z. Németh, et al. Corrosion Science, 2006, Vol 48(9), 2727-2749
- 一些植物提取物对钢在酸性介质中腐蚀的抑制作用 A. M. Abdel-Gaber, B. A. Abd-El-Nabey, I. M. Sidahmed, et al. Corrosion Science, 2006, Vol 48(9), 2765-2779
- 暴露于不同环境下形成的风化钢铁锈层组成和保护能力 T. Kamimura, S. Hara, H. Miyuki, et al. Corrosion Science, 2006, Vol 48(9), 2799-2812
- 大气污染对高能电导体腐蚀的影响:Part 1 铝和 AA6201 合金 Rosa Vera, Diana Delgado and Blanca M. Rosales. Corrosion Science, 2006, Vol 48(10), 2882-2900
- 三吡唑衍生物对铁在盐酸中的腐蚀抑制 A. Chetouani, M. Daoudi, B. Hammouti, et al. Corrosion Science, 2006, Vol 48(10), 2987-2997
- 铈表面处理对 A3xx-x/SiCp 复合物在 3.5% wt. % 氯化钠中腐蚀行为的影响 A. Pardo, M. C. Merino, R. Arrabal, et al. Corrosion Science, 2006, Vol 48(10), 3035-3048
- 磁场对铁在含或不含卤化物弱碱性溶液中阳极分解、钝化和反钝化的影响 Zhanpeng Lu, Chunbo Huang, Delun Huang, et al. Corrosion Science, 2006, Vol 48(10), 3049-3077
- 钙离子对 N80 钢二二氧化碳腐蚀过程点蚀和抑制性能的影响 X. Jiang, Y. G. Zheng, D. R. Qu, et al. Corrosion Science, 2006, Vol 48(10), 3091-3108
- 2024-T3 铝合金的前期腐蚀和疲劳 Kimberli Jones and David W. Hoeppner. Corrosion Science, 2006, Vol 48(10), 3109-3122
- 暴露在超临界水中的铁基合金 HCM12A 氧化行为 L. Tan, Y. Yang and T. R. Allen. Corrosion Science, 2006, Vol 48(10), 3123-3138
- 热处理对盐碱性溶液中 AA7050 伸张强度和 SCC 抑制的影响 Jing-Chie Lin, Hsueh-Lung Liao, Wern-Dare Jehng, et al. Corrosion Science, 2006, Vol 48(10), 3139-3156
- 含胺氮多配位 Schiff 碱化合物——低碳钢酸性介质腐蚀抑制剂 Kaan C. Emregil, Ece Düzung and Orhan Atakol. Corrosion Science, 2006, Vol 48(10), 3243-3260
- 空气中预氧化提高 Ti₃AlC₂ 对 Na₂SO₄ 诱导腐蚀的抑制 Zhijun Lin, Yanchun Zhou, Meishuan L, et al. Corrosion Science, 2006, Vol 48(10), 3271-3280
- 压应力对 AA2024-T3 局域腐蚀的影响 Xiaodong Liu and G. S. Frankel. Corrosion Science, 2006, Vol 48(10), 3309-3329
- 2,2'-二硫双(3-氰基-4,6-二甲基吡啶):一类用于低碳钢的新型酸腐蚀抑制剂 M. S. Morad and A. M. Kamal El-Dean. Corrosion Science, 2006, Vol 48(11), 3398-3412
- 含铁的金属间微粒对铝腐蚀行为的影响 Rajan Ambat, Alison J. Davenport, Geoff M, et al. Corrosion Science, 2006, Vol 48(11), 3455-3471
- 添加硫酸离子改变 904L 不锈钢的临界点蚀温度 M. H. Moayed and R. C. Newman. Corrosion Science, 2006, Vol 48(11), 3513-3530
- 阳极化镁合金的腐蚀性能 Zhiming Shi, Guangling Song and Andrej Atrens. Corrosion Science, 2006, Vol 48(11), 3531-3546
- 半胱胺酸对 304L 不锈钢在硫酸中腐蚀的影响 A. B. Silva, S. M. L. Agostinho, O. E. Barcia, et al. Corrosion Science, 2006, Vol 48(11), 3668-3674
- 聚苯胺混合涂层对钢的腐蚀保护 S. Sathiyanarayanan, S. Muthkrishnan and G. Venkatachari. Electrochimica Acta, 2006, Vol 51(28), 6313-6319

电催化及电合成

有机溶剂电解合成 B₅₀N₂ 纳米棒 Jing Guo, Hao Wang, ManKang Zh, et al. Electrochemistry Communications, 2006, Vol 8

(8), 1211-1214

用于氧化还原反应的碳基底铂结合金纳米粒子 Qinghong Huang, Hui Yang, Yawen Tang, et al. *Electrochemistry Communications*, 2006, Vol 8(8), 1220-1224

使用氧化钽-铂复合物电极高电流效率电生成臭氧 Mohamed Ismail Awad, Shunsuke Sata, Kazuhiro Kaneda, et al. *Electrochemistry Communications*, 2006, Vol 8(8), 1263-1269

应用电解反应有效并且环境友好地去除亲水性离子液体中的 Br^- 和 Cl^- 杂质 Zuopeng Li, Zhengyin Du, Yanlong Gu, et al. *Electrochemistry Communications*, 2006, Vol 8(8), 1270-1274

应用碳纤维电极电解煤和石墨的评估 Nilesh Sathe and Gerardine G. Botte. *Journal of Power Sources*, 2006, Vol 161(1), 513-523

Pt 上电解 Li_3PO_4 H. C. Liu and S. K. Yen. *Journal of Power Sources*, 2006, Vol 159(1), 245-248

小型聚吡咯微容器的电合成 Yuying Gao, Lu Zhao, Hua Bai, et al. *Journal of Electroanalytical Chemistry*, 2006, Vol 597(1), 13-18

9,10-菲酮/碳纳米管复合物修饰电极的制备及其在碘酸盐还原中的电催化性质 Dan zi Sun, Liande Zhu, Haiping Huang, et al. *Journal of Electroanalytical Chemistry*, 2006, Vol 597(1), 39-42

高温 Ni(OH)_2 氧气析出的 $\text{Ca}_3(\text{PO}_4)_2$ 涂层提高 Wen Li, Xiangming He, Jianguo Ren, et al. *Journal of Electroanalytical Chemistry*, 2006, Vol 597(2), 127-129

微米级接触和沟槽模式的多孔氧化铝生成 Sang-Hyun Park, Yuwon Lee, Jin-Kyu Lee, et al. *Electrochemical and Solid-State Letters*, 2006, Vol 9(12), D31-D33

应用修饰气体扩散氢阳极电合成寡-和聚硅烷 Xinwei Wang, Youxin Yuan, and Israel Cabasso. *Electrochemical and Solid-State Letters*, 2006, Vol 9(12), D34-D37

过程条件对微系统镍薄膜电镀的影响 J. K. Luo, M. Pritschow, A. J. Flewitt, et al. *Journal of The Electrochemical Society*, 2006, Vol 153(10), D155-D161

氟化物离子液体对醚、内酯、碳酸盐和酯的区域选择性阳极单氟化 Masaru Hasegawa, Hideki Ishii, Yi Cao, et al. *Journal of The Electrochemical Society*, 2006, Vol 153(10), D162-D166

碱性溶液中金微电极上的氨基硼烷氧化 Lorraine C. Nagle and James F. Rohan. *Journal of The Electrochemical Society*, 2006, Vol 153(11), C773-C776

分解 NO_x 的中温电化学反应器 K. Hamamoto, Y. Fujishiro, and M. Awano. *Journal of The Electrochemical Society*, 2006, Vol 153(11), D167-D170

应用离子液体从模拟坦克废水回收铯:水和氧气的影响 Tetsuya Tsuda, Charles L. Hussey, Huimin Luo, et al. *Journal of The Electrochemical Society*, 2006, Vol 153(11), D171-D176

水介质中电聚合 1-氨基-9,10-蒽醌薄膜的优化 Waheed A. Badawy, Khaled M. Ismail and Shyma'a S. Medany. *Electrochimica Acta*, 2006, Vol 51(28), 6353-6360

Pt/C 和 PtMe/C 催化硫酸溶液中二甲基醚电氧化 Yan Liu, Shigenori Mitsushima, Ken-ichiro Ota, et al. *Electrochimica Acta*, 2006, Vol 51(28), 6503-6509

复合的汞-聚苯胺粉末材料的合成和性质 Bouazza Sofiane, Hauchard Didier and Le Pollès Laurent. *Electrochimica Acta*, 2006, Vol 52(1), 62-67

阳极氧化电化学降解水中固醇酸:铂和硼掺杂的金刚石电极比较研究 Ignasi Sirés, Pere Lluís Cabot, Francesc Centellas, et al. *Electrochimica Acta*, 2006, Vol 52(1), 75-85

应用热解石墨电极电化学氧化次黄昔-5'-三磷酸盐 Rajendra N Goyal and Aikta Dhawan. *Electrochimica Acta*, 2006, Vol 52(1), 246-255

电化学去除水溶液五倍子酸 Birame Boye, Enric Brillas, Anselmo Buso, et al. *Electrochimica Acta*, 2006, Vol 52(1), 256-262

被偶氮染料污染的废物处理之提前氧化过程 M. Faouzi, P. Cañizares, A. Gadri, J. Lobato, et al. *Electrochimica Acta*, 2006, Vol 52(1), 325-331

电显色,传感器及其他

聚甲苯胺蓝 O/碳纳米管复合物纳米线的制备及其对 NADH 于低电位下的检测 Jinxiang Zeng, Wanzhi Wei, Ling Wu, et

- al. Journal of Electroanalytical Chemistry, 2006, Vol 595(2), 152-160
人尿中端粒酶逆转录酶的免标记电生物免疫检测方法 Masayuki Takata, Kagan Kerman, Naoki Nagatani, et al. Journal of Electroanalytical Chemistry, 2006, Vol 596(2), 109-116
应用二(1,10 菲咯啉)(咪唑并[f]菲咯啉)钴(II)作为电化学检测 HIV 病毒 DNA 指示剂的杂交生物传感器 Shu-Yan Niu, Shu-Sheng Zhang, Long Wang, et al. Journal of Electroanalytical Chemistry, 2006, Vol 597(2), 111-118
增强电显色的氧 - 激射氧化钨薄膜 A. Subrahmanyam, A. Karuppasamy, and C. Suresh Kumar. Electrochemical and Solid-State Letters, 2006, Vol 9(12), H111-H114
溶剂热生长合成 In_2O_3 纳米晶及其乙醇传感机理 Jiaqiang Xu, Xiaohua Wang, Guoqing Wang, et al. Electrochemical and Solid-State Letters, 2006, Vol 9(11), H103-H107
Pt-Oxide- $In_{0.5}Al_{0.5}P$ 肖脱基二极管的氢气传感性质 Yan-Ying Tsai, Ching-Wen Hung, Ssu-I Fu, et al. Electrochemical and Solid-State Letters, 2006, Vol 9(11), H108-H110
应用 ZnO 纳米线阵列的新型负离子生成器 Chih-Han Chen, Bohr-Ran Huang, Tzer-Shen Lin, et al. Journal of The Electrochemical Society, 2006, Vol 153(10), G894-G896
 $MO_x/YSZ/Pt$ ($MO_x = Cr_2O_3, SnO_2, CeO_2$) 电位传感器检测 NO_2 的传感性质 Jiho Yoo, Heesung Yoon, and Eric D. Wachsman. Journal of The Electrochemical Society, 2006, Vol 153(11), H217-H221
应用电沉积银-DNA 复合纳米粒子的过氧化氢和葡萄糖的电化学传感器 Shuo Wu, Hongtao Zhao, Huangxian Ju, et al. Electrochemistry Communications, 2006, Vol 8(8), 1197-1203
生物燃料电池直接电子传递的葡萄糖氧化酶正极 Dmitri Ivnitski, Brittany Branch, Plamen Atanassov, et al. Electrochemistry Communications, 2006, Vol 8(8), 1204-1210
阻抗传感器多晶硅交联电极 Roberto de la Rica, César Fernández-Sánchez and Antonio Baldi. Electrochemistry Communications, 2006, Vol 8(8), 1239-1244
激光刻蚀碳纤维复合物:应用于流动分析通用检测器 Guy Kilbey, Nikolaos G. Karousos, David Eglin, et al. Electrochemistry Communications, 2006, Vol 8(8), 1315-1320
检测过氧化氢和亚硝酸盐的铁(III)原卟啉 IX 单壁碳纳米管修饰电极 Graziella L. Turdean, Ionel Catalin Popescu, Antonela Curulli, et al. Electrochimica Acta, 2006, Vol 51(28), 6435-6441
金电极薄膜绝缘技术比较研究 Alexandra E. Lindsay and Danny O' Hare. Electrochimica Acta, 2006, Vol 51(28), 6572-6579
依据糖-血凝素生物种相互作用用于酚类化合物测定的 HRP 生物传感器 Shaoming Yang, Zhichun Chen, Xin Jin. Electrochimica Acta, 2006, Vol 52(1), 200-205
在多壁碳纳米管上固定醇脱氢酶和麦尔多拉蓝的乙醇电流计生物传感器 Antonio S. Santos, Arnaldo Cesar Pereira, Nelson Durán. Electrochimica Acta, 2006, Vol 52(1), 215-220
作为受体分子的 Cu(II) 复合物用于发展新的氯化物传感器 Rakesh Kumar Mahajan, Ravneet Kaur, Sartaj Tabassum, et al. Electrochimica Acta, 2006, Vol 52(2), 408-414