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## Index of Recent Literatures in Electrochemical Technique and its Applications

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## 最新电化学技术应用文献摘引

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- 新型高能铅/镍电池 S Licht, N Myung, *Journal of the Electrochemical Society* 142: 10(OCT 1995), L179~L182
- 活性晶化过程制备碱性蓄电池正极的粉末氢氧化镍 H Kaiya, A Imasato, K Yamashita, *Denki Kagaku* 63: 8(AUG 1995), 752~758
- 硒对铅酸电池Pb-Sn合金的电化学行为和腐蚀的影响 D Pavlov, M Dimitrov, G Petkova, H Giess, C Gnehm, *Journal of the Electrochemical Society* 142: 9(SEP 1995), 2 919~2 927
- 日本锂电池研究和发展计划 T Koyamada, H Ishihara, *Electrochimica Acta* 40: 13-14(OCT 1995), 2 173~2 175
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- Electrochimica Acta 40: 13-14(OCT 1995), 2 185~2 190
- 用于二次锂电池的强锂盐酸 G Nagasubramanian, D H Shen, S Surampudi, Q J Wang, G K S Prakash, Electrochimica Acta 40: 13-14(OCT 1995), 2 277~2 280
- 石墨结构对二次锂电池电化学特性的影响 K Tatsumi, N Iwashita, H Sakaebe, H Shioyama, S Higuchi, A mabuchi, H Fujimoto, Journal of the Electrochemical Society 142: 10(OCT 1995), 4 V 锂电池阳极——Li-Mn-O 尖晶石体系的研究:  $\text{Li}_x\text{Mn}_2\text{O}_4$  的合成及电化学行为 Journal of Power Sources 56: 1(JUL 1995), 61~67
- 导致锂离子可再充电电池不可逆容量损失的机理 Y Matsumura, S Wang, J Mondori, Journal of the Electrochemical Society 142: 9(SEP 1995), 2 914~2 918
- 作为锂离子电池高容量阴极的正交  $\text{LiMnO}_4$  I Koetschau, M N Richard, J R Dahn, J B Soupart, J C Rousche, Journal of the Electrochemical Society 142: 9(SEP 1995), 2 906~2 910
- 以乙烯和二乙基碳酸盐为电解质溶液的可再充锂电池研究 1. 锂金属阳极 D Aurbach, A Zaban, A Schechter, Y Eineli, E Zinigrad, B Markovsky, Journal of the Electrochemical Society 142: 9(SEP 1995), 2 873~2 882
- 以乙烯和二乙基碳酸盐为电解质溶液的可再充锂电池研究 2. 石墨电极 D Aurbach, Y Eineli, B Markovsky, A Zaban, S Luski, Y Carmeli, H Yamin, Journal of the Electrochemical Society 142: 9(SEP 1995), 2 882~2 890
- 摇椅式锂电池纳米晶  $\text{TiO}_2$  S Y Huang, L Kavan, I Exnar, M Gratzel, Journal of the Electrochemical Society 142: 9(SEP 1995), L142~L144
- 锂电池在不同负载下短期放电的电压恢复速率 A Z Shekhtman, Russia: Journal of Electrochemistry 31: 7(JUL 1995), 679~681
- 充电状态对密封电池阻抗谱的影响 1. Ni-Cd 电池 V V Viswanathan, A J Salkind, J J Kelley, J B Ockerman, Journal of Applied Electrochemistry 25: 8(AUG 1995), 716~728
- 充电状态对密封电池阻抗谱的影响 2. 铅酸电池 V V Viswanathan, A J Salkind, J J Kelley, J B Ockerman, Journal of Applied Electrochemistry 25: 8(AUG 1995), 729~739
- 低电位贮存涂膏氢氧化镍电极的特性 H Kaiya, M Akimoto, F Tanigawa, Denki Kagaku 63: 10(OCT 1995), 952~959
- 碱性聚乙烯氧化物固态电解质·镍二次电池的应用 J F Fauvarque, S Guinot, N Bouzir, E Salmon, J F Penneau, Electrochimica Acta 40: 13-14(OCT 1995), 2 449~2 453
- 镍氢电池自放电动力学及其预防方法 A Visintin, A Anani, S Srinivasan, A J Appleby, H S Lim, Journal of Applied Electrochemistry 25: 9(SEP 1995), 833~840
- 镍镀层对碱性蓄电池涂膏钙电极的影响 H Kaiya, K Yamashita, Denki Kagaku 63: 8(AUG 1995), 744~751
- 用于电动车辆的薄膜固态钠电池 M M Doeff, S J Visco, Y P Ma, M Peng, L Ding, L C Dejonghe, Electrochimica Acta 40: 13-14(OCT 1995), 2 205~2 210
- 一种甲醇部分氧化的新型固体燃料电池体系 K Asano, T Hibino, H Iwahara, Journal of the Electrochemical Society 142: 10(OCT 1995), 3 241~3 245

- 熔融碳酸盐燃料电池NiO的溶解:对性能与寿命的影响 Y Mugikura, T Abe, S Yoshioka, H Urushibata, *Journal of the Electrochemical Society* 142: 9(SEP 1995), 2 971~2 977
- 小型燃料电池电厂生物气燃料的处理 S T Naumann, C Myren, *Journal of Power Sources* 56: 1 (JUL 1995), 45~49
- 碳酸盐燃料电池材料的现状 C Yuh, R Johnsen, M Farooque, H Maru, *Journal of Power Sources* 56: 1(JUL 1995), 1~10
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- 氢能选择:技术环境和经济方面评述 G Nicoletti, *International Journal of Hydrogen Energy* 20: 10(OCT 1995), 759~765

## 电镀与表面精饰

- 1993-1994 金属精饰工业市场调查 *Plating and Surface Finishing* 82: 10(OCT 1995), 24
- 超硬镀层新发展 H Ehrhardt, *Surface & Coatings Technology* 74-5: 1-3 (SEP 1995), 29~35
- 电沉积过程的控制 A N Koshev, N V Gazeeva, A A Davydenko, E S Ezhevskaya, *Russian Journal of Electrochemistry* 31: 7(JUL 1995), 674~675
- 镀镍预浸液 M Borruso, *Plating and Surface Finishing* 82: 10(OCT 1995), 44
- 电沉积铝 M Mcchesney, *Plating and Surface Finishing* 82: 10(OCT 1995), 42
- Ni-Mo-P 合金镀层电沉积 Y Zeng, S Yao, H Guo, *Plating and Surface Finishing* 82: 10(OCT 1995), 64~66
- CrN 和 TiN 硬涂层的低温特性 B Navinsek, P Panjan, A Cvelbar, *Surface & Coatings Technology* 74-5:1-3(SEP 1995) 155~161
- InP 基半导体器件的乳酸溶液湿法化学抛光 K Ikossianastasiou, S C Binari, G Kelner, J B Boos, C S Kyono, J Mittereder, G L Griffin, *Journal of the Electrochemical Society* 142: 10 (OCT 1995), 3 558~3 564
- 机械抛光铝表面的性质 M F Dasilva, K Shimizu, K Kobayashi, P Skeldon, G E Thompson, G C Wood, *Corrosion Science* 37: 9(SEP 1995), 1 511~1 514
- 用于GaSb 化学抛光的 $H_2O_2:HF:C_4O_6H_6$ (酒石酸): $H_2O$ 体系 I E Berishev, F Deanda, V A Mishournyi, J Olvera, N D Ilyinskaya, V I Vasilyev, *Journal of the Electrochemical Society* 142: 10(OCT 1995), L189~L191
- 真空电弧沉积基本过程 P Siemroth, B Schultrich, T Schulke, *Surface & Coatings Technology* 74-5: 1-3(SEP 1995), 92~96
- 表面技术在研究腐蚀现象和机理的应用 M J Graham, *Corrosion Science* 37: 9(SEP 1995), 1 377~1 397
- pH值对低浓度镍(II)电沉积的影响 W G Proud, E Gomez, E Sarret, E Valles, C Muller, *Journal of Applied Electrochemistry* 25: 8(AUG 1995), 770~775
- 旋转圆盘电极铜/镍多层脉冲电沉积 1. 恒电流沉积 C C Yang, H Y Cheh, *Journal of the Electrochemical Society* 142: 9(SEP 1995), 3 040~3 043

旋转圆盘电极铜/镍多层脉冲电沉积 2. 恒电位沉积 C C Yang, H Y Cheh, Journal of the Electrochemical Society 142: 9(SEP 1995), 3 040~3 043

## 腐蚀与防护

金属的侵蚀和侵蚀腐蚀 A V Levy, Corrosion 51: 11(NOV 1995), 872~883

谐波分析法在腐蚀测量技术中的应用 J P Diard, B Legorrec, C Montella, Journal of the Electrochemical Society 142: 10(OCT 1995), 3 612

在硫化物污染的海水中污染物对铜-镍合金腐蚀的影响 J N Alhajji, M R Reda, Journal of the Electrochemical Society 142: 9(SEP 1995), 2 944~2 953

铁酸盐对氯化钠溶液中Fe-Mn-Al 合金腐蚀的影响 M Ruscak, T P Perng, Corrosion 51: 10(OCT 1995), 738~743

高合金化不锈钢的裂缝腐蚀再钝化温度 S Valen, P O Gartland, Corrosion 51: 10(OCT 1995), 750~756

不锈钢及镍基合金在熔融碳酸盐中的腐蚀行为 J P T Vossen, L Plomp, J H W Dewit, G Rietveld, Journal of the Electrochemical Society 142: 10(OCT 1995), 3 327~3 335

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pH 值对钢在聚天冬醇酸中的腐蚀钝化影响 D C Silverman, D J Kalota, F S Stover, Corrosion 51: 11(NOV 1995), 818~825

纯水中铜的腐蚀析氢 G Hultquist, Corrosion Science 37: 10(OCT 1995), U5

盐酸中锌的腐蚀抑制剂--咪唑衍生物 E Stupniseklisac, D Kasunic, J Vorkapicfurac, Corrosion 51: 10(OCT 1995), 767~772

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烧结和无烧结多孔钛腐蚀行为比较 K H W Seah, R Thampuran, X Chen, S H Teoh, Corrosion Science 37: 9(SEP 1995), 1 333~1 340

360 C 水中镍-铬-铁-碳合金的蠕变和晶间裂化行为 T M Angeliu, D J Paraventi, G S Was, Corrosion 51: 11(NOV 1995), 837~848

稳定碱性过氧化物溶液中不锈钢的钝化转移腐蚀 N J Laycock, R C Newman, J Stewart, Corrosion Science 37: 10(OCT 1995), 1 637~1 642

经电化学预处理的电沉积铬的钝化 S B Lalvani, J C Kang, M Murthy, Corrosion Science 37: 10(OCT 1995), 1 599~1 604

## 电解及合成

- Gap 的离子熔盐电化学合成 S M Zakharyash, V P Khan, Russian Journal of Electrochemistry 31: 7(JUL 1995), 660~664
- 电化学和环境:电催化作用 S Trasatti, International Journal of Hydrogen Energy 20: 10(OCT 1995), 835~844
- 在氧化镍修饰玻璃碳电极上乙醇和糖的电催化氧化 S Berchmans, H Gomathi, G P Rao, Journal of Electroanalytical Chemistry 394: 1-2(SEP 19 1995), 267~270
- 取向生长对CVD 金钢石膜表面粗糙度的影响 C Norgard, S S Eskildsen, A Matthews, Surface & Coatings Technology 74-5: 1-3(SEP 1995), 358~361

## 其他

- 应用拉曼光谱对Ag 电极上不同类型共吸附的分子水平研究 Z Q Tian, W H Li, Z H Qiao, W F Lin, Z W Tian, Russian Journal of Electrochemistry 31: 9(SEP 1995), 935~940
- 第四届国际聚合物电解质专题讨论会 S Greenbaum, Electrochimica Acta 40: 13-14(OCT 1995), 2 031
- 短讯:应用电化学渗透技术的LaNi<sub>3.94</sub>Si<sub>0.54</sub>微晶膜的氢扩散研究 J S Huang, Z X Zhou, W K Hu, F Y Yao, D Y Song, International Journal of Hydrogen Energy 20: 10(OCT 1995), 849~851
- 固体电解质传感器体系评述 Y Shimizu, Denki Kagaku 63: 9(SEP 1995), 794~798
- 电化学生物传感器评述(1)间接生物传感器 K Yokoyama, Denki Kagaku 63: 10(OCT 1995), 906~911
- 新型微电极气体传感器进展 1. 裸金微电极上O<sub>2</sub>和CO<sub>2</sub>的还原 C E W Hahn, H Mcpeak, A M Bond, D Clark, Journal of Electroanalytical Chemistry 393: 1-2(AUG 15 1995), 61~68
- 新型微电极气体传感器进展 2. 膜复盖裸金微电极上O<sub>2</sub>和CO<sub>2</sub>的还原 C E W Hahn, H Mcpeak, A M Bond, Journal of Electroanalytical Chemistry 393: 1-2(AUG 15 1995), 69~74
- 溶胶-凝胶型表面可刷新生物传感器 I Pankratov, O Lev, Journal of Electroanalytical Chemistry 393: 1-2(AUG 15 1995), 35~41
- 半导体气体传感器特性 Y Nakamura, Denki Kagaku 63: 8(AUG 1995), 712~716
- 基于特殊盐析现象的离子选择性电导滴定微传感器 A A Shulga, B Ahlers, K Cammann, Journal of Electroanalytical Chemistry 395: 1-2(OCT 10 1995), 305~308
- 离子导电氧化物导体的近代课题 T Esaka, Denki Kagaku 63: 9(SEP 1995), 789~793
- 一种新型的可逆光响应离子导体聚合物电解质 N Kobayashi, S Sato, K Takazawa, K Ikeda, R Hirohashi, Electrochimica Acta 40: 13-14(OCT 1995), 2 309~2 311
- 聚苯胺电极高容量电容器 Y L Kogan, G V Gedrovich, M I Rudakova, L S Fokeeva, Russian Journal of Electrochemistry 31: 7(JUL 1995), 689~691