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# 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

- 改进的双相电解液先进燃料电池 Jiandong Hu, Sebastiano Tosta, Zuoxing Guo, et al Journal of Power Sources 2006, Vol 154 (1), 106 114
- 直接甲醇燃料电池复合膜的评估 X. Li, E. P. L. Roberts, S. M. Holmes Journal of Power Sources 2006, Vol 154 (1), 115 123
- 固态氧化物燃料电池内部的双层结构连接 Wenhua Huang, Srikanth Gopalan Journal of Power Sources 2006, Vol 154 (1), 180 183
- 微型多孔硅燃料电池 T. Pichonat, B. Gauthier, M. A. Journal of Power Sources 2006, Vol 154 (1), 198 201
- 便携式直接液态燃料电池的构筑 Weinan Qian, David P. Wilkinson, Jun Shen, et al Journal of Power Sources 2006, Vol 154 (1), 202 213
- 高压全固态薄膜锂离子电池的进展 J. Schwenzer, V. Thangadurai, W. W. Eppner Journal of Power Sources 2006, Vol 154 (1), 232 238
- 便携式质子交换膜燃料电池的低温运作及其启动能力影响参数 M. Oszcipok, M. Zedda, D. Riemann, et al Journal of Power Sources 2006, Vol 154 (2), 404 411
- 超电容在汽车中的应用 Cynus Ashtiani, Randy Wright, Gary Hunt Journal of Power Sources 2006, Vol 154 (2), 561 566
- 用硅纳米粒子修饰磺化聚(醚醚酮)膜的直接甲醇燃料电池:电池性能的显著提高 Yu Huei Su, Ying Ling Liu, Yiming Sun, et al Journal of Power Sources 2006, Vol 155 (2), 111 117
- 直接硼氢化物燃料电池 C. Ponce de Leon, F. C. Walsh, D. Fletcher, et al Journal of Power Sources 2006, Vol 155 (2), 172 181
- 中国城市公交车的燃料电池电能系统 Yaoqin Jia, Hewu Wang, Minggao Ouyang Journal of Power Sources 2006, Vol 155 (2), 319 324
- 以硼氢化钠作燃料的质子交换膜燃料电池和直接硼氢化物燃料电池的比较 Jung Ho Wee Journal of Power Sources 2006, Vol 155 (2), 329 339
- 微电池铜氧化物薄膜电极的评估 E. A. Souza, R. Landers, L. P. Cardoso, et al Journal of Power Sources 2006, Vol 155 (2), 358 363
- 采用丝网印刷技术制备的  $\text{LiCoO}_2$  薄膜的电化学性质 Seung Tae Lee, Shin Wook Jeon, Byung Joo Yoo, et al Journal of Power Sources 2006, Vol 155 (2), 375 380
- 锂离子电池的安全机制 P. G. Balakrishnan, R. Ramesh, T. Prem Kumar Journal of Power Sources 2006, Vol 155 (2), 401 414
- 直接甲醇燃料电池降解测试 Weinan Chen, Gongquan Sun, Junsong Guo, et al Electrochimica Acta 2006, Vol 51 (12), 2391 2399
- 复合碱性聚合物电解质及其在镍氢电池中的应用 Anbao Yuan, Jun Zhao Electrochimica Acta 2006, Vol 51 (12), 2454 2462
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- 用于二次锂电池的苯基聚有机二硫化物阴极材料 Shi Ren Deng, Ling Bo Kong, Gao Qiang Hu, et al Electrochimica Acta 2006, Vol 51 (13), 2589 2593

- 使用液态甲醇的直接甲醇燃料电池的新型电极结构 Zhi Gang Shao, Wen Feng Lin, Fuyun Zhu, et al Electrochemistry Communications, 2006, Vol 8 (1), 5 8
- 亚稳态  $Mg_2Ti_{(1-y)}$  膜的氢储存 P. Vermeulen, R. A. H. Niessen, P. H. L. Notten Electrochemistry Communications, 2006, Vol 8 (1), 27 32
- 锂离子电池阳极材料——笼状碳纳米管 硅复合物 Jie Shu, Hong Li, Ruizhi Yang, et al Electrochemistry Communications, 2006, Vol 8 (1), 51 54
- 采用光敏化玻璃制备微型直接甲醇燃料电池阵列 Takeshi Ito, Masayuki Kunitatsu Electrochemistry Communications, 2006, Vol 8 (1), 91 94
- 用于低湿度、宽温区质子交换膜燃料电池的质子导电磷酸锆 磷化聚醚砜纳米杂合电解质 Gopinathan M. Anilkumar, Satoshi Nakazawa, Tatsuya Okubo, et al. Electrochemistry Communications, 2006, Vol 8 (1), 133 136
- 新型硅烷化合物——锂离子电池电解质溶剂 Khalil Amine, Qingzheng Wang, Donald R., et al. Electrochemistry Communications, 2006, Vol 8 (3), 429 433
- 电化学能量储存活性材料的新型快速合成技术 S. A. Needham, A. Calka, G. X. Wang, et al. Electrochemistry Communications, 2006, Vol 8 (3), 434 438

## 电沉积与表面精饰

- 使用镍 钴 覆盖活性碳磨蚀的新型磁性精饰及其在超精细精饰中的应用 Yanrong Zhang, Sachio Yoshihara, Takeo Shimura Journal of The Electrochemical Society, 2006, Vol 153 (4), C203 C206
- 在 p 硅有序孔中电沉积金属微棒和微管的形成 Katsutoshi Kobayashi, Farid A. Harraz, Shinichi Izuo, et al. Journal of The Electrochemical Society, 2006, Vol 153 (4), C218 C222
- 镝的电沉积,电化学性能和磁性研究 J. Lodemeyer, M. Multerer, M. Zistler, et al. Journal of The Electrochemical Society, 2006, Vol 153 (4), C242 C248
- 铝 铜膜模具上多孔银膜的电沉积 Dmitri A. Brevnov. Journal of The Electrochemical Society, 2006, Vol 153 (4), C249 C253
- 从酸性含二 (3 硫代丙基) 二硫化物和氯化物的硫酸盐溶液中电沉积铜 B. Bozzini, L. Durzo, V. Romanello, et al. Journal of The Electrochemical Society, 2006, Vol 153 (4), C254 C257
- 铜在预制图形的钝膜上选择性沉积 Chin Hao Yang, Wen Luh Yang, Wei Chang, et al. Journal of The Electrochemical Society, 2006, Vol 153 (5), C301 C304
- 氨基磺酸盐电解液中低温电沉积镍 J. J. Kelly, S. H. Goods, A. A. Talin, et al. Journal of The Electrochemical Society, 2006, Vol 153 (5), C318 C324
- 表面磷化电极的电化学刻蚀 YOSHIO Ichii, YUZO Mori, KIKUJI Hirose, et al. Journal of The Electrochemical Society, 2006, Vol 153 (5), C344 C348
- p 多孔硅中纳米结构聚吡咯的电聚合 Farid A. Harraz. Journal of The Electrochemical Society, 2006, Vol 153 (5), C349 C356
- 溶胶凝胶法制备电显色纳米结构氧化钨膜:结构和嵌入性质 M. Deepa, A. G. Joshi, A. K. Srivastava, et al. Journal of The Electrochemical Society, 2006, Vol 153 (5), C365 C376
- 低应力高磁距富铁 FeCoNi 薄膜的电沉积 D. Y. Park, B. Y. Yoo, S. Kelcher, et al. Electrochimica Acta, 2006, Vol 51 (12), 2523 2530
- 从 1 乙基 3 甲基咪唑氯化物四氟硼酸离子液体中的电沉积钯 钨 Shu I Hsiu, Chia Cheng Tai, IWen Sun. Electrochimica Acta, 2006, Vol 51 (13), 2607 2613
- 钴在氧化物修饰 p 硅表面的电沉积 A. G. Mu oz, G. Stankov. Electrochimica Acta, 2006, Vol 51 (14), 2836 2844
- 用于电化学超级电容器的  $MnO_2$  膜阴极电沉积 N. Nagarajan, H. Humadi, I. Zhitomirsky. Electrochimica Acta, 2006, Vol 51 (15), 3039 3045
- Zn 合金上超薄无定形转换膜的形成:无机 有机超薄复合膜的晶核形成,生长和特性 B. Wilson, N. Fink, G. Gundmeier. Electrochimica Acta, 2006, Vol 51 (15), 3066 3075
- 钼合金的磁促电沉积 E. Gámez, E. Pellicer, M. Duch, et al. Electrochimica Acta, 2006, Vol 51 (16), 3214 3222

铂微粒在碳基底上的电沉积 M. M. E. Duarte, A. S. Pilla, J. M. Sieben, et al Electrochemistry Communications, 2006, Vol 8 (1), 159 164

电沉积二氧化锰纳米线——锂离子电池阳极材料 Mao Sung Wu, Pin Chi Julia Chiang Electrochemistry Communications, 2006, Vol 8 (3), 383 388

## 电催化及电合成

离子交换织物电置换消除硝酸盐 Carl Ola Danielsson, Anders Dahlkild, Anna Velin, et al Journal of The Electrochemical Society, 2006, Vol 153 (4), D51 D61

CoFe<sub>2</sub>O<sub>4</sub>纳米线阵列的电化学合成和磁性质 Dany Carlier, Jean Philippe Ansermet Journal of The Electrochemical Society, 2006, Vol 153 (5), C277 C281

azithromycin 和 Hemomycin 在中性电解质中金电极上的电化学氧化研究 M. L. Avramov Ivaylo, S. D. Petrov, D. D. Mijin, et al Electrochimica Acta, 2006, Vol 51 (12), 2407 2416

用于吡咯电合成的脱硫水溶液: Part I在非铁金属上 M. Bazzouji, J. I. Martins, S. C. Costa, et al Electrochimica Acta, 2006, Vol 51 (12), 2417 2426

使用一种离子液体电解质电合成新型光化学活性导电聚合物, Paul S. Murray, Stephen F. Ralph, Chee O., et al Electrochimica Acta, 2006, Vol 51 (12), 2471 2476

新型邻苯二酚衍生物的电化学合成 D. Nematollahi, M. Alimoradi, S. Waqif Husain Electrochimica Acta, 2006, Vol 51 (13), 2620 2624

铂修饰 Ti/Ru<sub>0.3</sub>Ti<sub>0.7</sub>O<sub>2</sub>电极电氧化乙醛 J. C. Forti, A. Manzo Robledo, K. B. Kokoh, et al Electrochimica Acta, 2006, Vol 51 (14), 2800 2808

聚苯胺 铂复合物的化学和电化学合成 John M. Kinyanjui, Nelson R. Wijeratne, Justin Hanks, et al Hatchett Electrochimica Acta, 2006, Vol 51 (14), 2825 2835

使用硼掺杂金刚石电极于酸性介质中电化学焚化对氯代甲基苯氧基除草剂 Birane Boye, Enric Brillas, Beatrice Marselli, et al Electrochimica Acta, 2006, Vol 51 (14), 2872 2880

应用表面活性剂电化学合成、表征新型电显色聚(3,4-乙烯基二氧基噻吩-co-二氯伐草克) P. Manisankar, C. Vedhi, G. Selvanathan, et al Electrochimica Acta, 2006, Vol 51 (14), 2964 2970

使用有序碳纳米管阵列电极电化学氧化谷胱甘肽 Hao Tang, Jinhua Chen, Lihua Nie, et al Electrochimica Acta, 2006, Vol 51 (15), 3046 3051

氢在钯 锰合金中的电吸附 A. Zurowski, M. Lukaszewski, A. Czerwinski Electrochimica Acta, 2006, Vol 51 (15), 3112 3117

氧反应催化剂——Ir<sub>x</sub>Sn<sub>1-x</sub>O<sub>2</sub>粉末的电化学表征 A. Marshall, B. Bregg, G. Hagen, et al Electrochimica Acta, 2006, Vol 51 (15), 3161 3167

一种新型简便的合成 4(吡啶-2-硫代)苯-1,2-二醇的电化学方法 Mojtaba Shamsipur, Saeid Saeed Hosseini Davaran, Mahnaz Nasiri Aghdam, et al Electrochimica Acta, 2006, Vol 51 (16), 3327 3331

用于氯碱电解池的氧还原电极 Yohannes Kirosh, Massoud Pirjami, Martin Bursell Electrochimica Acta, 2006, Vol 51 (16), 3346 3350

聚苯胺和聚砜复合膜的电化学合成及其对抗坏血酸氧化的电催化 Zhong Ai Hu, Xiu Li Shang, Yu Ying Yang, et al Electrochimica Acta, 2006, Vol 51 (16), 3351 3355

碳支撑 Pt<sub>x</sub>Pd<sub>1-x</sub>(x=0~1)纳米晶上甲酸的电氧化 Xuguang Li, I. Ming Hsing, Electrochimica Acta, 2006, Vol 51 (17), 3477 3483

阳极 Ti/TiO<sub>2</sub>电极的研究进展及其作为阻抗滴定免疫传感器的潜在应用, Aikaterini G. Mantzila, Manolis I. Prodromidis, Electrochimica Acta, 2006, Vol 51 (17), 3537 3542

使用金刚石阳极和固态聚合物电解质于去离子水中电化学破坏有机物 Alexander Kraft, Manuela Stadelmann, Maja Wünsche et al Electrochemistry Communications, 2006, Vol 8 (1), 155 158

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- 银纳米微粒的电化学合成 Maria Starowicz, Barbara Stypułka, Jacek Banas Electrochemistry Communications, 2006, Vol 8 (2), 227 230
- 包含金刚石型碳纤维膜的铜纳米微粒的电化学合成 Lina Huang, Heqing Jiang, Jisheng Zhang, et al Electrochemistry Communications, 2006, Vol 8 (2), 262 266
- 氧化钼薄膜在不锈钢基底上的电合成 Habib M. Pathan, Sun Kim, Kwang Deog Jung. Electrochemistry Communications, 2006, Vol 8 (2), 273 278
- 纳米氧化钌对甲醇和一氧化碳电氧化的共催化效应 Wataru Sugimoto, Takahiro Saida, Yoshiro Takasu Electrochemistry Communications, 2006, Vol 8 (3), 411 415
- 薄膜 YAG 在铁镍合金基底上的电化学合成 C. T. Hsu, S. K. Yen Electrochemical and Solid State Letters, 2006, Vol 9 (4), D9 D12

## 传感器电显色及其他

- 在二维二氧化硅波纹状光子晶体基底上 ZnS/Mn 薄膜电发光装置的设计和光学性质 Young Rag Do, Ki Young Ko, Yoon Chang Kim, et al Journal of The Electrochemical Society, 2006, Vol 153 (4), H71 H77
- $\text{Ca}_4\text{GdO}(\text{BO}_3)_3:\text{Eu}^{3+}, \text{Al}^{3+}$ 溶胶 凝胶法合成及其发光性质 Yuhua Wang, Ling He. Journal of The Electrochemical Society, 2006, Vol 153 (4), H78 H81
- 基于 2,5-二甲氧基苯胺-二苯胺共聚合物的电显色装置 Chien Hsin Yang, Tsun Chih Yang, Cheng Ho Chen, et al Journal of The Electrochemical Society, 2006, Vol 153 (5), E85 E93
- 选择性气体传感  $\text{SnO}_2/\text{RuO}_2/\text{Pt}$ 复合物的性质及其检测机制 Helena Teterycz, Benedykt W. Licznerski. Journal of The Electrochemical Society, 2006, Vol 153 (5), H94 H104
- 使用硼掺杂金刚石电极阳极溶出伏安法检测自来水的痕量  $\text{Pb}^{2+}$  Diana Dragoe, Nicolae Spătaru, Ryuji Kawasaki, et al Electrochimica Acta, 2006, Vol 51 (12), 2437 2441
- 基于四吡唑衍生物和环 [4]芳烃的  $\text{Pb}^{2+}$ 选择性传感器的比较研究 A. K. Jain, V. K. Gupta, L. P. Singh, et al Electrochimica Acta, 2006, Vol 51 (12), 2547 2553
- 使用 C60修饰玻碳电极伏安法检测扑热息痛 Rajendra N. Goyal, Sudhanshu P. Singh. Electrochimica Acta, 2006, Vol 51 (15), 3008 3012
- 吩噻嗪染料在碳纳米管上的化学吸附:NADH的低电位检测 Nathan S. Lawrence, Joseph Wang. Electrochemistry Communications, 2006, Vol 8 (1), 71 76
- 采用甲基紫精 /Nafion 复合物膜的硝酸盐生物传感器进展 Xuejiang Wang, Sergei V. Dzyadevych, Jean Marc Chovelon, et al Electrochemistry Communications, 2006, Vol 8 (2), 201 205
- 用于氧化氮电化学检测的生物相容碳基印刷电极 Sandrine Miserere, Sophie Ledru, Nadine Ruillé, et al Electrochemistry Communications, 2006, Vol 8 (2), 238 244
- 采用碳纳米管自组装葡萄糖氧化酶的葡萄糖生物传感器 Guodong Liu, Yuehe Lin. Electrochemistry Communications, 2006, Vol 8 (2), 251 256
- 单晶  $\text{WO}_3 \cdot \text{H}_2\text{O}$  纳米棒的电显色 Xiaolan Wei, Pei Kang Shen. Electrochemistry Communications, 2006, Vol 8 (2), 293 298
- 葡萄糖氧化酶在电沉积铜上的固定化 Carlos Palma Remirez, Daren J. Caniana. Electrochemistry Communications, 2006, Vol 8 (3), 450 454
- 离子液体聚合物电解质及其在全塑电显色装置中的应用 Rebeca Marcilla, Francisco Alcaide, Haritz Sardon, et al Electrochemistry Communications, 2006, Vol 8 (3), 482 488

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