

Journal of Electrochemistry

Volume 11 | Issue 4

2005-11-28

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*, 2005 , 11(4): Article 21.

DOI: 10.61558/2993-074X.2752

Available at: <https://jelectrochem.xmu.edu.cn/journal/vol11/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

质子交换膜电极的制备:溶剂组分和挥发速率对催化剂层微结构的影响, Ferreira—Aparicio P. and Daza L., Femández R. *Journal of Power Sources* 2005, Vol 151, 18—24

固态氧化物燃料电池铈—钛氧化物作阳极材料, Martínez—Arias A., Hungria A. B., Femández—García M., et al *Journal of Power Sources* 2005, Vol 151, 43—51

溶剂和酸化方法对质子交换膜燃料电池磺化共聚酰亚胺膜性能的影响, Blázquez J. Alberto Iruin Juan J., Eceolaza et al *Journal of Power Sources* 2005, Vol 151, 63—68

CO 存在下的质子交换膜燃料电池评价, Jiménez S., Soler J., Valenzuela R. X. and Daza L., *Journal of Power Sources* 2005, Vol 151, 69—73

用于固态氧化物燃料电池阳极的新型稀土钛钙钛矿合成及其电子性质, Lepe F. J., Femández—Umbán J., Mestres L. and Martínez—Sarrón M. L., *Journal of Power Sources* 2005, Vol 151, 74—78

用于固态氧化物燃料电池由高压阳极化制成的锆薄层的性质, Montero Xabier Paupert Thierry Ringuet Amelle Vannier Rose-Noelle and Cassir Michel, *Journal of Power Sources* 2005, Vol 151, 85—92

中温固态氧化物燃料电池, Antepara I., Villarreal I., Rodríguez—Martínez L. M., Lecanda N., Castro U. and Laregoiti A., *Journal of Power Sources* 2005, Vol 151, 103—107

电喷吐法制备质子交换膜燃料电池电极的新方法, Benítez R., Soler J. and Daza L., *Journal of Power Sources* 2005, Vol 151, 108—113

直接甲醇燃料电池的 Nafion/PTFE 复合膜, Lin Hsien—Li Yu T. Leon Huang Li—Ning et al *Journal of Power Sources* 2005, Vol 150, 11—19

阴离子交换膜碱性直接乙醇燃料电池, Matsuoka Koji Iriyama Yasutoshi Abe Takeshi Matsuoka Masao and Ogumi Zempachi, *Journal of Power Sources* 2005, Vol 150, 27—31

溶胶凝胶膜电极组——制造的初步研究, Thangamuthu R. and Lin C. W., *Journal of Power Sources* 2005, Vol 150, 48—56

质子交换膜燃料电池超低催化剂载量的溅射沉积, Gruber D., Ponath N., Müller J. and Lindstaedt F., *Journal of Power Sources* 2005, Vol 150, 67—72

平面固态氧化物燃料电池中的残余压力, Fischer W., Malzbender J., Blass G. and Steinbrech R. W., *Journal of Power Sources* 2005, Vol 150, 73—77

填充湿铺热塑石墨复合材料的制备燃料电池双极板的进展, Huang Jianhua Baird Donald G. and McGrath James E., *Journal of Power Sources* 2005, Vol 150, 110—119

磺化聚醚醚酮电解质燃料电池行为和膜性质研究:温度和相对湿度效应, Jiang Ruichun Kunz H. Russell and Fenlon James M., *Journal of Power Sources* 2005, Vol 150, 120—128

制备充电锂电池纳米晶材料的一种简单、快速方法, Caballero Alvaro Cruz Manuel Hemáne Lourdes Melero et al *Journal of Power Sources* 2005, Vol 150, 192—201

无机添加剂对凝胶聚合物电解质制备的 Li/V₂O₅ 聚合物电池循环性能的影响, Song In—Chul Oh Ji—Sun Kim Sang—Hem et al *Journal of Power Sources* 2005, Vol 150, 202—207

锂离子电池共掺杂球形尖晶石 LiMn₂O₄ 阴极材料的制备, He Xiangming Li Jianjun Cai Yan Wang Yaowu et al *Journal of Power Sources* 2005, Vol 150, 208—213

nal of Power Sources 2005, Vol 150, 216—222

高度挠性聚合物纤维电池, Wang Jiazhao Too Chee O. and Wallace Gordon G., Journal of Power Sources 2005, Vol 150, 223—228

锂离子电池的容量衰减分析, Stamps Andrew T., Holland Charles E., White Ralph E. and Gatzke Edward P., Journal of Power Sources 2005, Vol 150, 229—239

用于碱性充电电池正极材料沉积 Y(OH)_3 的 YNi(OH)_2 管, Cheng Fang—Yi Chen Jun and Shen Pan—Wen, Journal of Power Sources 2005, Vol 150, 255—260

用于铁—空气电池阳极的 Fe_2O_3 负载碳电极的电化学性质, Hang Bui Thi Watanae Tomonori Eashira Minato Okada Shigeto et al Journal of Power Sources 2005, Vol 150, 261—271

锂离子电池阳极单壁碳纳米管纸, Ng S H., Wang J., Guo Z P., Chen J., Wang G X. and Liu H K., Electrochimica Acta 2005, Vol 51(1), 23—28

质子交换膜燃料电池的双金属 PMo/C 阳极的制备及其稳定性, Lebedeva N. P. and Janssen G. J M., Electrochimica Acta 2005, Vol 51(1), 29—40

不对称超大电容斜方 LiTi_3O_7 阳极材料的合成及其表征, Chen Fang Li Rengui Hou Min Liu Li Wang Ran and Deng Zhenghua Electrochimica Acta 2005, Vol 51(1), 61—65

合成纳米结构碳分散的 LiFePO_4 阴极材料及其表征, Yang S T., Zhao N H., Dong H Y., Yang J X. and Yue H Y., Electrochimica Acta 2005, Vol 51(1), 166—171

电化学沉积聚苯胺纳米线网络:一种用于氧化还原超级电容器的高性能电极材料, Vinay Gupta and Norio Miura Electrochemical and Solid-State Letters 2005, Vol 8(12), A630—A632

氧化钕对 $\text{Li/V}_2\text{O}_5$ 二次电池 V_2O_5 阴极电化学性质的影响, Yong Zhang Xinguo Hu Yuwen Liu and Yushan Cheng Electrochemical and Solid-State Letters 2005, Vol 8(12), A633—A636

铬含量对锂离子电池 $\text{LNi}_{1-x}\text{C}_{x}\text{Mn}_{0.5}-x\text{O}_2$ 阴极材料物理和电化学性能的影响, Yucheng Sun Yonggao Xia and Hideyuki Noguchi Electrochemical and Solid-State Letters 2005, Vol 8(12), A637—A640

充电锂离子电池的一种新型的阳极材料, R. S. Liu C. Y. Wang V. A. Drozd S. F. Hu and H. —S. Sheu Electrochemical and Solid-State Letters 2005, Vol 8(12), A650—A653

纳米结构钛酸电极优异的低温锂嵌入性能, Junrong Li Zilong Tang and Zhongtai Zhang Electrochemical and Solid-State Letters 2005, Vol 8(11), A570—A573

直接甲醇燃料电池自组装 PDDA—Pt纳米微粒/Nafion膜, San Ping Jiang Lin Li Zengcui Liu Mu Pan and Hao Lin Tang Electrochemical and Solid-State Letters 2005, Vol 8(11), A574—A576

采用室温离子液体混合物和金属锂的锂二次电池的可逆性, Shiro Seki Yo Kobayashi Hajime Miyashiro Yasutaka Ohno Yuichi Mita Akira Usami et al Electrochemical and Solid-State Letters 2005, Vol 8(11), A577—A578

微型燃料电池 P掺杂 SO_2 质子交换膜的进展, Dhananjay Bhusari Jun Li Paul Joseph Jayachandran Christopher Moore and Paul A. Kohl Electrochemical and Solid-State Letters 2005, Vol 8(11), A588—A591

氢化物—碳复合物的电化学氢存储, X. B. Yu G. S. Walker N. Bowring D. M. Grant J. Shen Z. Wu and B. J. Xia Electrochemical and Solid-State Letters 2005, Vol 8(11), A596—A598

用于锂离子电池新型阳极的聚苯胺—Si/C复合物的制备和表征, Y. Liu T. Matsumura N. Inanishi A. Hirano T. Ichikawa and Y. Takeda Electrochemical and Solid-State Letters 2005, Vol 8(11), A599—A602

用于直接甲醇燃料电池的非贵金属钙钛矿电催化剂, Xiangyang Zhou Baili Hu Zhen Chen Francisco Delgado and Rajiv Srivastava Electrochemical and Solid-State Letters 2005, Vol 8(11), A616—A618

含 NaCl 电解质的 MnFe_2O_4 电化学电容器, Shin-Liang Kuo and Nae-Lih Wu Electrochemical and Solid-State Letters 2005, Vol 8(10), A495—A499

制备质子交换膜燃料电池低负载高性能电极的双离子束辅助沉积法, Andrea F. Gullá Madhu Sudan Saha Robert J. Allen and Sanjeev Mukerjee Electrochemical and Solid-State Letters 2005, Vol 8(10), A504—A508

以化学气体沉积硅 碳化合物材料作锂离子电池负极, M. Holzapfel H. Buqa F. Knumrich P. Novák F. —M. Petrat and C. J. Veit Electrochemical and Solid-State Letters 2005, Vol 8(10), A516—A520

采用二甲醚/空气燃料混合的直接固态氧化物燃料电池, E. Perry Murray, S. J. Harris, J. Liu, and S. A. Barnett, *Electrochemical and Solid-State Letters*, 2005, Vol 8(10), A531—A533

薄膜 MgX (X=Se, Ti, V, Cr)化合物的电化学氢存储特性, R. A. H. Niessen and P. H. L. Notten, *Electrochemical and Solid-State Letters*, 2005, Vol 8(10), A534—A538

用于水溶性二次电池镍电极导电材料碱性阳离子嵌入石墨, Masanori Morishita, Koichi Kobayakawa, and Yuichi Sato, *Electrochemical and Solid-State Letters*, 2005, Vol 8(10), A539—A543

$\text{Li}_{44}\text{MnO}_2$ ——新型4V阴极材料的合成和电化学性质, Junji Akimoto, Junji Awaka, Yasuhiko Takahashi, Norihito Kijima, Mitsuhiro Tabuchi, Akiko Nakashima, et al, *Electrochemical and Solid-State Letters*, 2005, Vol 8(10), A554—A557

电沉积与表面精饰

高速喷射电沉积Ni-Co合金及其纳米晶体的微结构, Qiao Guiying, Jing Tianfu, Wang Nan, Gao Yuwei, Zhao Xin, Zhou Jifeng, and Wang Wei, *Electrochimica Acta*, 2005, Vol 51(1), 85—92

硫酸盐—柠檬酸盐介质中Co-Ni和Co-Ni-Cu体系的电沉积, Gómez Elvira, Pané Salvador, and Vallés Elisa, *Electrochimica Acta*, 2005, Vol 51(1), 146—153

离子液体中高效电化学镁的沉积和溶解, Yanna NuLi, Jun Yang, Jiulin Wang, Jinqiang Xu, and Pu Wang, *Electrochemical and Solid-State Letters*, 2005, Vol 8(11), C166—C169

用于印刷电子业的纳米银微粒的高导电喷墨打印膜, Dongjo Kim and Jooho Moon, *Electrochemical and Solid-State Letters*, 2005, Vol 8(11), J30—J33

采用玻璃电极在硝酸盐溶液中电沉积铋, Yang Minli and Hu Zhongbo, *Journal of Electroanalytical Chemistry*, 2005, Vol 583(1), 46—55

用于长循环寿命的 LiCoO_2 的二氧化钛涂层:涂敷过程的比较, Ting-Kuo Fey, George Liu, Cheng-Zhang Prem Kumar, T. and Chang Yu-Chen, *Surface & Coatings Technology*, 2005, Vol 199(1), 22—31

糖精添加剂对电沉积含36%铁的镍合金微结构的影响, Kim S-H., Sohn H-J., Joo Y.-C., Kim Y.-W., et al, *Surface & Coatings Technology*, 2005, Vol 199(1), 43—48

锌上Cr(VI)和Cr(III)基转化涂层的形貌和腐蚀性能比较, Zhang X., van den Bos C., Sloof W.G., Hovestad A., Terryn H. and de Wit J.H.W., *Surface & Coatings Technology*, 2005, Vol 199(1), 92—104

NaAlD_2 对磷酸盐-KOH电解质中AM60B镁合金上微弧氧化涂层的结构和腐蚀防护的影响, Liang Jun, Guo Baogang, Tian Jun, Liu Huiwen, Zhou Jinfang, Liu Weinan, and Xu Tao, *Surface & Coatings Technology*, 2005, Vol 199(2—3), 121—126

硅酸盐电解质中AZ91D镁合金的阳极氧化, Hsiao Houng-Yu, Tsung Hua-Chih, and Tsai Wen-Ta, *Surface & Coatings Technology*, 2005, Vol 199(2—3), 127—134

等离子电解氧化物沉积氧化铝涂层的腐蚀和浸蚀性能, Barik R.C., Wharton J.A., Wood R.J.K., Stokes K.R. and Jones R.L., *Surface & Coatings Technology*, 2005, Vol 199(2—3), 158—167

铝和镁上等离子电解氧化物涂层的热传导性能, Corran J.A. and Clyne T.W., *Surface & Coatings Technology*, 2005, Vol 199(2—3), 177—183

腐蚀与防护

用作AA2024-T3前处理的掺杂硝酸铈的纳米结构溶胶-凝胶包覆层, Zheludkevich M. L., Serra R., Montemor M.F., et al, *Electrochimica Acta*, 2005, Vol 51(2), 208—217

亚稳态蚀坑之间的相互作用和点蚀转变的时空模型, Organ Levent Scully, John R., Mikhailov A. S. and Hudson John L., *Electrochimica Acta*, 2005, Vol 51(2), 225—241

应用加速腐蚀检测由电化学阴极处理得到的磷酸锌包覆层性能, Jegannathan S., Sankara Narayanan T. S. N., Ravichandran K. and Rajeswari S., *Electrochimica Acta*, 2005, Vol 51(2), 247—256

碳钢腐蚀—侵蚀的机制和电化学因素间的相互作用, Guo H. X., Lu B. T. and Luo J. L., *Electrochimica Acta*, 2005, Vol 51(2), 315—323

用吡咯和表面活性剂保护酸性介质中铜的表面, Lalitha A., Ramesh S. and Rajeswari S., *Electrochimica Acta*, 2005, Vol 51(1), 47—55

混凝土中低碳钢的电化学行为: PH 和混凝土孔洞溶液中碳酸盐的影响, Huet Bruno L'Hostis Valérie Misserque Frédéric and Idrissi Hassane *Electrochimica Acta*, 2005, Vol 51(1), 172—180

环境友好抑制剂二丁基磷酸铈对相接相 AA2024-T3 的抑制作用, N. Bribilis R. G. Buchheit D. L. Ho and M. Forsyth *Electrochemical and Solid-State Letters* 2005, Vol 8(11), C180—C183

羟肟酸和磷酸 LB 膜对高氯酸钠溶液铁腐蚀的抑制效应, T. Rigó A. Mikó J. Telegdi M. Lakatos-Varsányi A. Szabó and E. Kálmán *Electrochemical and Solid-State Letters* 2005, Vol 8(10), B51—B54

聚苯胺涂层乳胶微球的腐蚀防护, Abu Yousuf Mohammad and Aoki Koichi *Journal of Electroanalytical Chemistry*, 2005, Vol 583(1), 133—139

一种用于低碳钢的新型抑制剂: 电化学和 DFT 研究, Cruz J., Pandian Thangarasu and García-Ochoa E., *Journal of Electroanalytical Chemistry*, 2005, Vol 583(1), 8—16

铝合金上氧化铁红着色环氧涂层腐蚀电化学特性, Hu Ji-Ming Zhang Jin-Tao Zhang Jian-Qing and Cao Chu-Nan *Corrosion Science*, 2005, Vol 47(11), 2607—2618

无定型 & 纳米准晶 Zr-Pd 和 Zr-Pt 合金在不同环境下的电化学行为, Mondal K., Murty B. S. and Chatterjee U. K., *Corrosion Science*, 2005, Vol 47(11), 2619—2635

咪唑: 位阻因素和憎水链长度对它在酸性介质中低碳钢腐蚀抑制的影响, Ali S. A., El-Shareef A. M., Al-Ghamdi R. F. and Saeed M. T., *Corrosion Science*, 2005, Vol 47(11), 2659—2678

LAB 和 LABS 对不同温度下氯溶液中铁的腐蚀抑制作用, Zor S., Yagici B. and Erbil M., *Corrosion Science*, 2005, Vol 47(11), 2700—2710

乙基黄酸钾对酸性氯溶液中铜的腐蚀抑制, Scendo M., *Corrosion Science*, 2005, Vol 47(11), 2778—2791

Ni-P 基复合涂层在 HCl 和 NaCl 溶液中的腐蚀速率比较, Zhao Q. and Liu Y., *Corrosion Science*, 2005, Vol 47(11), 2807—2815

在氯化物水溶液中阳极化 Mg 合金 AZ91D 的电化学行为, *Corrosion Science*, 2005, Vol 47(11), 2816—2831 Zhang Yongjun Yan Chuanwei Wang Fuhui and Li Wenfang

NaCl 和 NH₄Cl 对锌的初始大气腐蚀的影响, Qu Qing Li Lei Bai Wei Yan Chuanwei and Cao Chu-nan *Corrosion Science*, 2005, Vol 47(11), 2832—2840

6061 铝合金环境辅助裂化的电化学条件, Hanuna Takumi Kouno Takashi and Fujimoto Shinji *Corrosion Science*, 2005, Vol 47(10), 2441—2449

电合成、电化学传感器及其他

水溶液中, 铜电极和石墨电极上乳酸的电合成, Martin C., Huser H., Servat K. and Kokoh K. B., *Electrochimica Acta*, 2005, Vol 51(1), 111—117

利用寡小核纳米薄片晶体构建神经元状网络结构的电化学方法, Lu Gewu Qu Liangti and Shi Gaoquan *Electrochimica Acta*, 2005, Vol 51(2), 340—346

V₂O₅ • nH₂O / AD(OH) • nH₂O 干凝胶复合物的合成、表征及电化学性质, Zampronio Elaine G., Lassali Tania A. F. and Oliveira Herenilton P., *Electrochimica Acta*, 2005, Vol 51(2), 257—267

电化学反应器动力学最优化评估和改进, Vijayasekaran B. and Basha C. Ahmed *Electrochimica Acta*, 2005, Vol 51(2), 200—207

电化学还原断裂 1-氯-2,4-二硝基苯的碳氯键, Prasad M. Ann and Sangaranyan M. V., *Electrochimica Acta*, 2005, Vol 51(2), 242—246

于富硅二氧化硅环境中应用快速 CO₂ 激光退火法合成硅纳米晶, Chun-Jung Lin Gong-Ru Lin Yu-Lun Chueh and Li-Jen Chou *Electrochemical and Solid-State Letters* 2005, Vol 8(12), D43—D45

连接含噻吩的聚醚桥之 2-取代噻吩衍生物的电化学共聚合, Çihane Atila and Onal Ahmet M., *Journal of Electroanalytical Chemistry*, 2005, Vol 583(1), 104—108

金电极在单一氯化铁溶液中电化学生成普鲁士蓝薄膜, Abbaspour Abdolkarim and Kamayabi Mohammad Ali Journal of Electroanalytical Chemistry, 2005, Vol 583(2), 117—123

混合蓝色荧光剂 Y_2SiO_5 : Ce—BAM: Eu阴极射线电致发光的提高, Kyeong Youl Jung and Kook Hyun Han Electrochemical and Solid-State Letters 2005, Vol 8(11), H91—H93

用于生物环境的金刚石微电极, Park Jinwoo Show Yoshiyuki Quaisserova Veronika Galligan James J, Fink Gregory D, and Swain Greg M, Journal of Electroanalytical Chemistry, 2005, Vol 583(1), 56—68

卤化物存在下的电化学焚烧, C. A. Martínez-Huitle S. Ferro and A. De Battisti Electrochemical and Solid-State Letters 2005, Vol 8(11), D35—D39

采用 L半胱氨酸修饰金电极对铜在不同量砷存在下的检测, Electroanalysis 2005, Vol 17(20), 1835—1840 Xuan Dai Richard G. Compton

在抗氧化剂活性的双电流检测中采用 DPPH |DPPH 氧化还原对, Electroanalysis 2005, Vol 17(20), 1847—1853 Stjepan Milićević Damir Ivecović, Vlatko Rumenjak Bošidar S. Grabarić

以亲脂性二茂铁衍生物为基的高硫氰酸盐选择性 PVC膜电极, Jianyuan Dai Ruo Yuan Yaqin Chai Lanxiang An Xia Zhong Yan Liu Dianping Tang Electroanalysis 2005, Vol 17(20), 1865—1869

用于快速电化学检测人尿麻黄素的麻黄素感应器于空气中稳定的脂质膜制备, Dimitrios P. Nikolakis Garyfallia Raftopoulos Christina G. Siontorou Electroanalysis 2005, Vol 17(20), 1870—1877

基于电聚合膜亲和力的生物传感器, Serge Cosnier Electroanalysis 2005, Vol 17(19), 1701—1715

金电极上胺功能基硅烷电化学诱导沉积及其应用于(水)酒精介质中 Cu(II)的检测, Alain Walcarius Emilia Sibottier Electroanalysis 2005, Vol 17(19), 1716—1726

银电极电化学检测砷(III), Andrew O. Simm, Craig E. Banks Richard G. Compton Electroanalysis 2005, Vol 17(19), 1727—1733

氯醌化学修饰碳糊电极的电化学行为及其在抗坏血酸电催化检测中的应用, Reza Ojanian Jahan-Bakhsh Raoof Saeed Zamani Electroanalysis 2005, Vol 17(19), 1740—1745

环氧增强 PVC膜葡萄糖生物传感器的寿命提高, Bazhang Yu Yvonne Moussy Francis Moussy Electroanalysis 2005, Vol 17(19), 1771—1779

导电聚合物的 Ag^+ 电位传感器:聚(3,4次乙基二氧基噻吩)与掺杂磺化环芳烃聚吡咯比较, Zekra Mousavi Johan Bobacka Ari Ivaska Electroanalysis 2005, Vol 17(18), 1609—1615

用于水溶液卤化物检测的热解刨边石墨电极, Eleanor R. Lowe Craig E. Banks Richard G. Compton Electroanalysis 2005, Vol 17(18), 1627—1634

用于水质监测和控制的次氯酸和次氯酸盐的持续检测, Olga Ordeig Roser Mas Javier Gonzalo et al. Electroanalysis 2005, Vol 17(18), 1641—1648

结合毛细管电泳在碳纤维电极上电化学检测甲巯基咪唑, Jinying Sun Chunying Zheng Xinli Xiao Li Ning Tianyan You Erkang Wang Electroanalysis 2005, Vol 17(18), 1675—1680

用于标记吸附溶出转移检测的多壁碳纳米管糊电极:对比石墨糊电极及伏安法和计时电位法, Jian-Bo He Xiang-Qin Lin Jian Pan Electroanalysis 2005, Vol 17(18), 1681—1686

采用硒—金膜修饰电极的硒代半胱氨酸差分脉冲伏安检测, Yan Bai Xiaoli Yan Rui Li Wenjie Zheng Fang Yang Electroanalysis 2005, Vol 17(17), 1511—1515

靛玉红与 DNA的电化学和光谱研究, Bao-Xian Ye Li-Jie Yuan Chun Chen Jing-Chao Tao Electroanalysis 2005, Vol 17(17), 1523—1528

在热解刨边石墨电极上抗坏血酸的直接氧化:与其它碳电极的电分析响应比较, Frédéric Wantz Craig E. Banks Richard G. Compton Electroanalysis 2005, Vol 17(17), 1529—1533

采用表面活性剂修饰碳糊电极和溶出伏安法检测人体血清氟灭酸, I. Amor-García M. C. Blanco-López M. J. López-Castañón et al. Electroanalysis 2005, Vol 17(17), 1555—1562

(周剑章 编译)