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Kou, R.; Shao, Y.; Wang, D.; Engelhard, M.H.; Kwak, J.H.; Wang, J.; Viswanathan, V.V.; Wang, C.; Lin, Y.; Wang, Y.; Aksay, I.A.; Liu, J.
- Improved efficiency of TiO₂ nanotubes in dye sensitized solar cells by decoration with TiO₂ nanoparticles • Short communication
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Roy, P.; Kim, D.; Paramasivam, I.; Schmuki, P.
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Electrochemistry Communications, Volume 11, Issue 6, June 2009, Pages 1158-1161
Wang, H.; Hao, Q.; Yang, X.; Lu, L.; Wang, X.
- Facile preparation of large aspect ratio ellipsoidal anatase TiO₂ nanoparticles and their application to dye-sensitized solar cell • Short communication
Electrochemistry Communications, Volume 11, Issue 4, April 2009, Pages 909-912
Baek, I.C.; Vithal, M.; Chang, J.A.; Yum, J.H.; Nazeeruddin, Md.K.; Gratzel, M.; Chung, Y.C.; Seok, S.I.
- Transparent graphene/PEDOT-PSS composite films as counter electrodes of dye-sensitized solar cells • Short communication
Electrochemistry Communications, Volume 10, Issue 10, October 2008, Pages 1555-1558
Hong, W.; Xu, Y.; Lu, G.; Li, C.; Shi, G.
[Cited by Scopus \(6\)](#)
- Application of graphene-modified electrode for selective detection of dopamine • Short communication
Electrochemistry Communications, Volume 11, Issue 4, April 2009, Pages 889-892
Wang, Y.; Li, Y.; Tang, L.; Lu, J.; Li, J.
[Cited by Scopus \(1\)](#)
- Sulfone-based electrolytes for high-voltage Li-ion batteries • Short communication
Electrochemistry Communications, Volume 11, Issue 5, May 2009, Pages 1073-1076
Abouimrane, A.; Belharouak, I.; Amine, K.
[Cited by Scopus \(1\)](#)
- Preparation and electrochemical performance for methanol oxidation of Pt/graphene nanocomposites • Short communication
Electrochemistry Communications, Volume 11, Issue 4, April 2009, Pages 846-849
Li, Y.; Tang, L.; Li, J.
[Cited by Scopus \(1\)](#)
- Decoration of TiO₂ nanotube layers with WO₃ nanocrystals for high-electrochromic activity • Short communication
Electrochemistry Communications, Volume 11, Issue 4, April 2009, Pages 728-732
Benoit, A.; Paramasivam, I.; Nah, Y.C.; Roy, P.; Schmuki, P.
[Cited by Scopus \(1\)](#)
- Electrochemical performance of graphene nanosheets as anode material for lithium-ion batteries • Short communication
Electrochemistry Communications, Volume 11, Issue 6, June 2009, Pages 1320-1324
Guo, P.; Song, H.; Chen, X.
- High capacity and excellent cyclability of vanadium (IV) oxide in lithium battery applications • Short communication
Electrochemistry Communications, Volume 11, Issue 3, March 2009, Pages 538-541
Ding, N.; Feng, X.; Liu, S.; Xu, J.; Fang, X.; Lieberwirth, I.; Chen, C.
- Synthesis, characterization and electrocatalytic activity for ethanol oxidation of carbon supported Pt, Pt-Rh, Pt-SnO₂ and Pt-Rh-SnO₂ nanoclusters • Short communication
Electrochemistry Communications, Volume 11, Issue 4, April 2009, Pages 724-727
Kowal, A.; Gojkovic, S.Lj.; Lee, K.S.; Olszewski, P.; Sung, Y.E.
- Combining 5V LiNi_{0.8}Mn_{0.15}O₂ spinel and Si nanoparticles for advanced Li-ion batteries • Short communication
Electrochemistry Communications, Volume 11, Issue 5, May 2009, Pages 1061-1064
Arrebola, J.C.; Caballero, A.; Gomez-Camer, J.L.; Hernan, L.; Morales, J.; Sanchez, L.
- Mesoporous TiO₂ nano networks: Anode for high power lithium battery applications • Short communication
Electrochemistry Communications, Volume 11, Issue 4, April 2009, Pages 756-759
Jung, H.G.; Oh, S.W.; Ce, J.; Jayaprakash, N.; Sun, Y.K.
- Hydrothermal synthesis of lithium iron phosphate • Short communication
Electrochemistry Communications, Volume 8, Issue 5, May 2006, Pages 855-858
Chen, J.; Whittingham, M.S.
[Cited by Scopus \(52\)](#)
- Amine-terminated ionic liquid functionalized carbon nanotube-gold nanoparticles for investigating the direct electron transfer of glucose oxidase • Short communication
Electrochemistry Communications, Volume 11, Issue 3, March 2009, Pages 608-611
Gao, R.; Zheng, J.
[Cited by Scopus \(2\)](#)
- Electrochemical impedance spectroscopy of ZnO nanostructures • Short communication
Electrochemistry Communications, Volume 11, Issue 5, May 2009, Pages 945-949
Liu, H.; Piret, G.; Sieber, B.; Laureyns, J.; Roussel, P.; Xu, W.; Boukherroub, R.; Szunerits, S.
[Cited by Scopus \(1\)](#)
- Capacitance response of double-walled carbon nanotubes depending on surface modification • Short communication
Electrochemistry Communications, Volume 11, Issue 4, April 2009, Pages 719-723
Jang, I.Y.; Muramatsu, H.; Park, K.C.; Kim, Y.J.; Endo, M.
- Electrocatalysts for methanol oxidation with ultra low content of Pt and Ru • Short communication
Electrochemistry Communications, Volume 11, Issue 6, June 2009, Pages 1135-1138
Ando, Y.; Sasaki, K.; Adzic, R.
- Fabrication of porous carbon/Si composite nanofibers as high-capacity battery electrodes • Short communication

21. Direct electrochemistry of glucose oxidase on a graphite nanosheet-Nafion composite film modified electrode * Short communication
Electrochemistry Communications, Volume 11, Issue 5, May 2009, Pages 997-1000
Fu, C.; Yang, W.; Chen, X.; Evans, D.G.
[Cited by Scopus \(1\)](#)
22. Oxygen reduction reaction on carbon supported Palladium-Nickel alloys in alkaline media * Short communication
Electrochemistry Communications, Volume 11, Issue 6, June 2009, Pages 1162-1165
Li, B.; Prakash, J.
23. Structure and electrochemical performance of nanostructured Sn-Co alloy/carbon nanotube composites as anodes for lithium ion batteries * Short communication
Electrochemistry Communications, Volume 11, Issue 5, May 2009, Pages 950-953
Huang, L.; Cai, J.S.; He, Y.; Ke, F.S.; Sun, S.G.
24. A new photoanode architecture of dye sensitized solar cell based on ZnO nanotetrapods with no need for calcination * Short communication
Electrochemistry Communications, Volume 11, Issue 5, May 2009, Pages 1057-1060
Chen, W.; Zhang, H.; Hsing, I.M.; Yang, S.
25. Highly efficient CdSe quantum-dot-sensitized TiO₂ photoelectrodes for solar cell applications * Short communication
Electrochemistry Communications, Volume 11, Issue 6, June 2009, Pages 1337-1339
Fan, S.Q.; Kim, D.; Kim, J.J.; Jung, D.W.; Kang, S.O.; Ko, J.