



## websites of note

by Zoltan Nagy

### Nanoelectrochemistry: Metal Nanoparticles, Nanoelectrodes, and Nanopores

A recent detailed review of nanoelectrochemistry: electrochemistry of metal nanoparticles; voltammetry of solutions of isolatable nanoparticles; electrochemistry of films of nanoparticles; electrochemistry at nanoscopic electrodes; and electrochemistry at single nanopores.

- R. W. Murray (UNC at Chapel Hill)
- [http://mccarley.chemistry.lsu.edu/Chemistry7750/F2009/Nanoelectrochemistry%20-%20Metal%20Nanoparticles%20Nanoelectrodes%20and%20Nanopores%20\(Royce%20W%20Murray\).pdf](http://mccarley.chemistry.lsu.edu/Chemistry7750/F2009/Nanoelectrochemistry%20-%20Metal%20Nanoparticles%20Nanoelectrodes%20and%20Nanopores%20(Royce%20W%20Murray).pdf)

### Electron Transfer in Functionalized Fullerenes

A considerable amount of work concerning systems in which C<sub>60</sub> is an electron acceptor has been published. The fundamental principles behind fullerene donor-acceptor systems are revisited and the experimental methods available for the study of these systems is presented. Potential applications of photoinduced electron transfer systems. Intermolecular charge transfer complexes involving fullerenes.

- P. J. Bracher and D. I. Schuster (New York U.)
- <http://www.paulbracher.com/laboratory/pubs/pub0001.pdf>

### Electrochemistry of Carbon Nanotube Composite Electrodes

A new type of composite electrode based on the combination of carbon nanotubes and sol-gel technology is reported. This approach combines the advantages of sol-gel based ceramic materials with the favorable electrochemistry of carbon nanotubes. The characteristics of the designed electrodes are controlled by altering the nature (in terms of methyl, ethyl or propylderividsilane precursor) or the amount of the sol used. The composite electrodes exhibit well-defined electrochemical properties with superior characteristics compare to other carbon based composite electrodes.

- L. G. Bachas (U. of Kentucky)
- [http://acs.omnibooksonline.com/data/papers/2001\\_18.5.pdf](http://acs.omnibooksonline.com/data/papers/2001_18.5.pdf)

### About the Author

ZOLTAN NAGY is a semi-retired electrochemist. After 15 years in a variety of electrochemical industrial research, he spent 30 years at Argonne National Laboratory carrying out research on electrode kinetics and surface electrochemistry. Presently he is at the Chemistry Department of the University of North Carolina at Chapel Hill. He welcomes suggestions for entries; send them to [nagyz@email.unc.edu](mailto:nagyz@email.unc.edu).

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