

2007 Publications

1. D'Souza, F.; Chitta, R.; Sandanayaka, A. S. D.; Subbaiyan, N. K.; D'Souza, L.; Araki, Y.; Ito, O. 'Supramolecular Carbon Nanotube-Fullerene Donor-Acceptor Hybrids for Photoinduced Electron Transfer' *J. Am. Chem. Soc.* **2007**, *129*, 15865-15871.
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3. Schumacher, A. L.; Hill, J. P.; Ariga, K.; D'Souza, F. 'Highly Effective Electrochemical Anion Sensing Based on Oxoporphyrinogen.' *Electrochem. Commun.* **2007**, *9*, 2751-2754.
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6. D'Souza, F.; Chitta, R.; Sandanayaka, A. S. D.; Subbaiyan, N. K.; D'Souza, L.; Araki, Y.; Ito, O. 'Self-assembled Zinc Porphyrin-Single Wall Carbon Nanotube Hybrids via Ammonium/Crown Ether Interaction: Construction and Electron Transfer Studies.' *Chemistry European J.* **2007**, *13*, 8277-8284..
7. Gadde, S.; Islam, D.-M. S. ;Wijesinghe, C. A.; Subbaiyan, N. K.; Zandler, M. E.; Araki, Y.; Ito, O.; D'Souza, F. 'Light Induced Electron Transfer of a Supramolecular Bis(Zinc Porphyrin)-Fullerene Triad Constructed via a Diacetylamidopyridine/Uracil Hydrogen-Bonding Motif.' *J. Phys. Chem. C* **2007**, *111*, 12400-12503.
8. Francis D'Souza, Suresh Gadde, Amy Lea Schumacher, Melvin E. Zandler, Atula S. D. Sandanayaka, Yasuyuki Araki, and Osamu Ito 'Supramolecular Triads Composed of Free-Base Porphyrin Covalently Linked to Fullerene with Pyridine – Axially Coordinated to Ferric Porphyrins: Formation, Sequential Electron Transfer and Charge Stabilization' *J. Phys. Chem. C*, **2007**, *111*, 11123-11130.
9. D'Souza, F.; Gadde, S.; Islam, D.M.S.; Wijesinghe, C. A.; Schumacher, A. L.; Zandler, M. E.; Araki, Y.; Ito, O. 'Multi-Triphenylamine-Substituted Porphyrin-Fullerene Conjugates as Charge Stabilizing 'Antenna-Reaction Center' Mimics.' *J. Phys. Chem. A.* **2007**, *111*, 8552-8560.
10. Hill, J. P.; Ariga, K.; Schumacher, A. L.; Karr, P. A.; D'Souza, ,Pyren-1-ylmethyl N-Substituted oxoporphyrinogens' *J. Porphyrins Phthalocyanines*, **2007**, *11*, 390-396.
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12. Raghu Chitta, Atula S. D. Sandanayaka, Amy L. Schumacher, Lawrence D'Souza, Yasuyuki Araki, Osamu Ito and Francis D'Souza, "Donor-Acceptor Nanohybrids of Zinc Naphthalocyanine or Zinc Porphyrin Non-Covalently linked to Single-Wall Carbon Nanotubes for Photoinduced Electron Transfer, *J. Phys. Chem.C* **2007**, *111*, 6947-6955.
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- Supramolecular Approach: Self-assembled Cofacial Zinc Porphyrin Dimer Complexed with Fullerene(s)” *Chemistry European J.* **2007**, *13*, 916-922.
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