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Education:

- University of Illinois, Urbana-Champaign, IL
PhD candidate (2003 – present)
Advisor: Prof Ralph G. Nuzzo
Research description: soft lithography, decal transfer lithography
and solar cell fabrication
- Queen's University, Kingston, Ontario
B.S. Chemistry (2003)
Advisor: Prof. Suning Wang
Research description: testing of novel compounds as the light emitting
layer in OLEDs

Teaching Experience:

- Teaching Assistant, Chem 103 Laboratory Section, University of Illinois (Fall 2004)
- Teaching Assistant, Chem 106E Laboratory Section, University of Illinois (Spring 2004)
- Teaching Assistant, Chem 101X Discussion Section, University of Illinois (Fall 2003)

Awards:

- University of Illinois Fellowship (2005-06)
- University of Illinois Incomplete List of Teachers Ranked as Excellent (Fall 2004)
- Undergraduate Student Research Award (USRA) from the Natural Sciences and Engineering Research Council (NSERC) of Canada (Summer 2002)
- Eagle Scout (1999)

Publications:

Jia, W. *et.al.*, **Diarylamino functionalized pyrene derivatives for use in blue OLEDs and complex formation.** *Journal of Materials Chemistry* **2004**, *14*, 3344-3350.

Lee, J. *et. al.*, **Photoluminescence, Electroluminescence, and Complex Formation of Novel N-7-Azaindoyl- and 2,2'-Dipyridylamino-Functionalized Siloles.** *Chemistry of Materials*, **2004**, *16*, 1869-1877.

Jia, W. *et.al.*, **Three-coordinate organoboron compounds BAr₂R (Ar = mesityl, R = 7-azaindoyl- or 2,2'-dipyridylamino-functionalized aryl or thienyl) for electroluminescent devices and supramolecular assembly.** *Chemistry--A European Journal*, **2004**, *10*, 994-1006.

Childs, W. *et.al.*, **Masterless Soft Lithography: Patterning UV/Ozone-Induced Adhesion on Poly(dimethylsiloxane) Surfaces.** *Langmuir*, **2005**, 21(22), 10096-10105.

Lee, K. *et.al.*, **Large-area, selective transfer of microstructured silicon: A printing-based approach to high-performance thin-film transistors supported on flexible substrates.** *Advanced Materials* (Weinheim, Germany), **2005**, 17(19), 2332-2336.

Patent:

A soft decal transfer lithography for fabrication of microstructures on planar or nonplanar substrates: US patent application 10/965,279 filed October 14, 2004