



T. B. Marder

The author presented on this page has published more than **10 articles** in *Angewandte Chemie* in the last 10 years, most recently: "Highly Electron-Deficient and Air-Stable Conjugated Thienylboranes": X. Yin, J. Chen, R. A. Lalancette, T. B. Marder, F. Jäkle, *Angew. Chem. Int. Ed.* **2014**, 53, 9761–9765; *Angew. Chem.* **2014**, 126, 9919–9923.

Todd B. Marder

Date of birth:	November 14, 1955
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Education:	1972–1976 BSc with Prof. A. Davison, Massachusetts Institute of Technology 1976–1981 PhD with Prof. M. F. Hawthorne, University of California, Los Angeles 1981–1983 Postdoc with Prof. F. G. A. Stone, University of Bristol 1983–1985 Visiting Research Scientist, DuPont Central Research and Development
Awards:	2008 Royal Society of Chemistry Main Group Chemistry Award; 2010 Royal Society Wolfson Research Merit Award; Alexander von Humboldt Foundation Research Award; JSPS Invitation Fellowship
Current research interests:	Organometallic and boron chemistry; catalysis; linear and nonlinear optical materials; crystal engineering; small-molecule triggers of stem cell differentiation
Hobbies:	Travel, photography, music, cinema

I advise my students to ... see the world and keep an open mind.

My favorite quote is ... "Never try to discourage thinking for you are sure to succeed" (Bertrand Russell).

My biggest inspirations are ... my son—the intellectual, and my wife—the polyglot.

I get advice from ... everyone, and I have many excellent collaborations and friendships worldwide.

The principal aspect of my personality is ... that I talk too much.

My favorite author (science) is ... Roald Hoffmann, whose papers taught me how to write.

My favorite band is ... Jerry Garcia and The Grateful Dead.

The natural talent I would like to be gifted with ... is the facility to learn foreign languages.

The biggest challenge facing scientists is ... politics.

Young people should study chemistry because ... I would be out of a job otherwise!

My favorite drinks are ... coffee in the morning, green tea in the afternoon, and single malt whisky in the evening.

My first experiment was ... probably not a good idea to repeat!

My 5 top papers:

1. "Alkylboronic Esters from Copper-Catalyzed Borylation of Primary and Secondary Alkyl Halides and Pseudohalides": C.-T. Yang et al., *Angew. Chem. Int. Ed.* **2012**, 51, 528–532; *Angew. Chem.* **2012**, 124, 543–547. (The first reported metal-catalyzed borylation of alkyl halides.)
2. "2,5-Bis(*p*-Arylethynyl)rhodacyclopentadienes Show Intense Fluorescence: Denying the Presence of a Heavy Atom": A. Steffen, M. G. Tay, A. S. Batsanov, J. A. K. Howard, A. Beeby, K. Q. Vuong, X.-Z. Sun, M. W. George, T. B. Marder, *Angew. Chem. Int. Ed.* **2010**, 49, 2349–2353; *Angew. Chem.* **2010**, 122, 2399–2403. (This exciting project, ongoing for over 10 years, resulted initially from a keen observation following an error.)
3. "A Facile Route to Arylboronates: Room Temperature, Copper-Catalyzed Borylation of Aryl Halides with Alkoxy Diboron Reagents": C. Kleeberg, L. Dang, Z. Lin, T. B. Marder, *Angew. Chem. Int. Ed.* **2009**, 48, 5350–5354; *Angew. Chem.* **2009**, 121, 5454–5458. (The first reported Cu-catalyzed borylation of aryl halides.)
4. "Synthesis of symmetric and unsymmetric 1,4-bis(*p*-phenylethynyl)benzenes via palladium/copper catalyzed cross-coupling and comments on the coupling of aryl halides with terminal alkynes": P. Nguyen, Z. Yuan, L. Agocs, G. Lesley, T. B. Marder, *Inorg. Chim. Acta* **1994**, 220, 289–296. (An early study of the synthesis and optical properties of phenylene–ethynylene systems and mechanistic aspects of Sonogashira couplings.)
5. "Synthesis and Structures of the First Transition Metal Tris(boryl) Complexes: (η^6 -Arene)Ir(BO₂C₆H₄)₃": P. Nguyen, H. P. Blom, S. A. Westcott, N. J. Taylor, T. B. Marder, *J. Am. Chem. Soc.* **1993**, 115, 9329–9330. (Tris(boryl) complexes later proved to be the key to Ir-catalyzed C–H borylation).

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