

SRfluor® Publications

- Cole EL, Arunkumar E, Xiao S, Smith BA, Smith BD. 2012. *Water-soluble, deep-red fluorescent squaraine rotaxanes*. **Org. Biomol. Chem.** 10(30):5769-5773.
- Collins CG, Baumes JM, Smith BD. 2011. *Thermally-activated chemiluminescent squaraine rotaxane endoperoxide with green emission*. **Chem. Commun.** (Camb). 47(45):12352-4.
- Murgu I, Baumes JM, Eberhard J, Gassensmith JJ, Arunkumar E, Smith BD. 2011. *Macrocyclic breathing in [2]rotaxanes with tetralactam macrocycles*. **J Org Chem.** 76(2): 688-691.
- Baumes JM, Gassensmith JJ, Giblin J, Lee JJ, White AG, Culligan WJ, Leevy WM, Kuno M, Smith BD. 2010. *Storable, thermally activated, near-infrared chemiluminescent dyes and dye-stained microparticles for optical imaging*. **Nat Chem.** 2(12):1025-1030.
- Baumes JM, Murgu I, Oliver A, Smith BD. 2010. *Using the rotaxane mechanical bond to enhance chemical reactivity*. **Org Lett.** 12(21):4980-4983.
- Fu N, Gassensmith JJ, Smith BD. 2010. *New Class of Hydroxy-Substituted Squaraine Rotaxane*. **Aust J Chem.** 63(5):792-796.
- Xue M, Su YS, Chen CF. 2010. *Isomeric squaraine-based [2]pseudorotaxanes and [2]rotaxanes: synthesis, optical properties, and their tubular structures in the solid state*. **Chemistry** 16(28):8537-44.
- White AG, Fu N, Leevy WM, Lee JJ, Blasco MA, Smith BD. 2010. *Optical imaging of bacterial infection in living mice using deep-red fluorescent squaraine rotaxane probes*. **Biocon. Chem.** 21(7):1297-304.
- Zhang G, Xiao L, Zhang F, Wang X, Jia S. 2010. *Single molecules reorientation reveals the dynamics of polymer glasses surface*. **Phys. Chem. Phys.**, 12 (10): 2308-2312.
- Hsueh SY, Lai CC, Chiu SH. 2010. *Squaraine-based [2]rotaxanes that function as visibly active molecular switches*. **Chemistry** 16 (10) :2997-3000.
- Lee JJ, White AG, Baumes JM, Smith BD. 2010. *Microwave-assisted slipping synthesis of fluorescent squaraine rotaxane probe for bacterial imaging*. **Chem Commun** (Camb). 46 (7):1068-1069.
- Gassensmith JJ, Matthys S, Lee JJ, Wojcik A, Kamat PV, Smith BD. 2010. *Squaraine rotaxane as a reversible optical chloride sensor*. **Chemistry** 16(9):2916-2921.
- Xiao S, Fu N, Peckham K, Smith BD. 2010. *Efficient synthesis of fluorescent squaraine rotaxane dendrimers*. **Org Lett.** 12 (1):140-143.
- Gassensmith JJ, Baumes JM, Smith BD. 2009. *Discovery and early development of squaraine rotaxanes*. **Chem Commun** (Camb). 42: 6329-6338.

- Fu N, Baumes JM, Arunkumar E, Noll BC, Smith BD. 2009. *Squaraine rotaxanes with boat conformation macrocycles*. **J Org Chem.** 74 (17): 6462-6468.
- Fu N, Gassensmith JJ, Smith BD. 2009. *Effect of Stopper Size on Squaraine Rotaxane Stability*. **Supramol. Chem.**, 21(1-2):118-124
- Gassensmith JJ, Barr L, Baumes JM, Paek A, Nguyen A, Smith BD. 2008. *Synthesis and photophysical investigation of squaraine rotaxanes by "clicked capping"* **Org Lett.** 10 (15): 3343-3346.
- Hsueh SY, Lai CC, Liu YH, Wang Y, Peng SM, Chiu SH. 2007. *Protecting a squaraine near-IR dye through its incorporation in a slippage-derived [2]rotaxane*. **Org Lett.** 9 (22): 4523-4526.
- Johnson JR, Fu N, Arunkumar E, Leevy WM, Gammon ST, Piwnica-Worms D, Smith BD. 2007. *Squaraine rotaxanes: superior substitutes for Cy-5 in molecular probes for near-infrared fluorescence cell imaging*. **Ang. Chem. Int. Ed. Engl.** 46 (29):5528-5531.
- Hsueh SY, Lai CC, Liu YH, Peng SM, Chiu SH. 2007. *Highly selective Na(+)-templated formation of [2]pseudorotaxanes exhibiting significant optical outputs*. **Ang. Chem. Int. Ed. Engl.** 46(12):2013-7.