

# Publications for Robert Baker

## 2018

Baker, R. (2018). Asymmetric induction via the structural indenyl effect. *Organometallics*, 37(3), 433-440. <a href="http://dx.doi.org/10.1021/acs.organomet.7b00841">[More Information]</a>

## 2017

Graham, M., Baker, R., McErlean, C. (2017). Cationic polyene cyclization for taiwaniaquinoid construction. *European Journal of Organic Chemistry*, 2017 (4), 908-913. <a href="http://dx.doi.org/10.1002/ejoc.201601349">[More Information]</a>

## 2015

Baker, R., Turner, P., Luck, I. (2015). Electronic control of metal-centered chirality in n<sup>5</sup>:kS Indenyl-indenyl-sulfanyl and -sulfanyl rhodacycles of 2-phenylpyridine. *Organometallics*, 34(9), 1751-1758. <a href="http://dx.doi.org/10.1021/acs.organomet.5b00255">[More Information]</a>

## 2012

Sieb, D., Baker, R., Wadepohl, H., Enders, M. (2012). Naphthyridine cyclopentadienyl chromium complexes as single-site catalysts for the formation of ultrahigh molecular weight polyethylene. *Organometallics*, 31(21), 7368-7374. <a href="http://dx.doi.org/10.1021/om300582j">[More Information]</a>

Baker, R., Radzey, H., Lucas, N., Turner, P. (2012). Stereospecific syntheses and structures of planar chiral bidentate 1<sup>-</sup>5<sup>-</sup>IP<sup>S</sup>-indenyl-sulfanyl and -sulfanyl complexes of rhodium(III). *Organometallics*, 31(15), 5622-5633. <a href="http://dx.doi.org/10.1021/om300581r">[More Information]</a>

Sieb, D., Schuhen, K., Morgan, M., Herrmann, H., Wadepohl, H., Lucas, N., Baker, R., Enders, M. (2012). Synthesis and complexation behavior of indenyl and cyclopentadienyl ligands functionalized with a naphthyridine unit. *Organometallics*, 31(1), 356-364. <a href="http://dx.doi.org/10.1021/om2009638">[More Information]</a>

## 2011

Ping, W., Paraska, D., Baker, R., Harrowell, P., Angell, C. (2011). Molecular Engineering of the Glass Transition: Glass-forming Ability across a Homologous Series of Cyclic Stilbenes. *The Journal of Physical Chemistry B*, 115(16), 4696-4702. <a href="http://dx.doi.org/10.1021/jp110975y">[More Information]</a>

## 2010

Chatjaroenporn, K., Baker, R., Fitzgerald, P., Warr, G. (2010). Polymerizable cationic micelles form cylinders at intermediate conversions. *Langmuir*, 26(14), 11715-11719. <a href="http://dx.doi.org/10.1021/la101159g">[More Information]</a>

## 2009

Chatjaroenporn, K., Baker, R., Fitzgerald, P., Warr, G. (2009).

Rearrangement of micelle structures during polymerization. *14th International Conference on Small-Angle Scattering*, N/A: N/A.

Chatjaroenporn, K., Fitzgerald, P., Baker, R., Warr, G. (2009). Shape changes of tail-polymerizable surfactant aggregates during polymerization. *The Biennial Australian Colloid and Interface Symposium and the 10th Australia-Japan Colloid and interface Science Symposium*. N/A.

Chatjaroenporn, K., Baker, R., Fitzgerald, P., Warr, G. (2009). Structure changes in micelles and adsorbed layers during surfactant polymerization. *Journal of Colloid and Interface Science*, 336(2), 449-454. <a href="http://dx.doi.org/10.1016/j.jcis.2009.04.059">[More Information]</a>

## 2006

Enders, M., Baker, R. (2006). Synthesis of aryl- and heteroaryl-substituted cyclopentadienes and indenenes and their use in transition metal chemistry. *Current Organic Chemistry*, 10(9), 937-953. <a href="http://dx.doi.org/10.2174/138527206777435508">[More Information]</a>

## 2005

Baker, R., Luck, I., Turner, P. (2005). Constrained coordination through atropisomerism: Synthesis and structure of an eta(5):kappa N-bidentate N,N-dimethylaniline-functionalised indenylruthenium(II) complex. *Inorganic Chemistry Communications*, 8(9), 817-820. <a href="http://dx.doi.org/10.1016/j.inoche.2005.06.002">[More Information]</a>

Baker, R., Rea, S., Sargent, M., Schenkelaars, E., Tjahjandarie, T., Totaro, A. (2005). Enantioselective synthesis of axially chiral 1-(1-naphthyl)isoquinolines and 2-(1-naphthyl)pyridines through sulfoxide ligand coupling reactions. *Tetrahedron*, 61(15), 3733-3743. <a href="http://dx.doi.org/10.1016/j.tet.2005.02.008">[More Information]</a>

## 2004

Alt, H., Baker, R., Dakkak, M., Foulkes, M., Schilling, M., Turner, P. (2004). Zirconocene Dichloride Complexes With A 1,2-Naphthylidene Bridge As Catalysts For The Polymerisation Of Ethylene And Propylene. *Journal of Organometallic Chemistry*, 689(11), 1965-1977. <a href="http://dx.doi.org/10.1016/j.jorganchem.2004.03.021">[More Information]</a>

## 2002

Baker, R., Foulkes, M., Griggs, M., Nguyen, B. (2002). A new synthesis of 3-substituted-1H-indenes through reaction of o-(Beta-magnesioalkyl)phenylmagnesium dihalides with carboxylate esters. *Tetrahedron Letters*, 43(51), 9319-9322. <a href="http://dx.doi.org/10.1016/S0040-4039(02)02344-4">[More Information]</a>