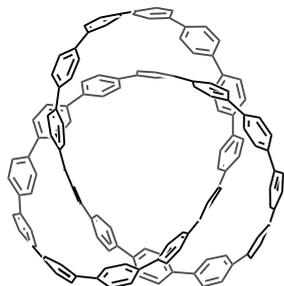


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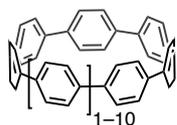
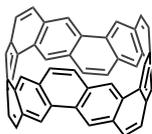
## Carbon nanorings and carbon nanobelts

**Carbon Nanobelts:**

*J. Am. Chem. Soc.* **2018**, *140*, 10054.  
*Science* **2017**, *356*, 172.  
*Org. Lett.* **2016**, *18*, 1430.

**Cycloparaphenylenes:**

*Science* **2019**, *365*, 272.  
*J. Am. Chem. Soc.* **2015**, *137*, 1356.  
*Angew. Chem. Int. Ed.* **2015**, *54*, 3707.  
*Nature Chem.* **2013**, *5*, 572.  
*Chem. Commun.* **2013**, *50*, 954.  
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*Org. Biomol. Chem.* **2012**, *10*, 5979.  
*Angew. Chem. Int. Ed.* **2011**, *50*, 3244.  
*Angew. Chem. Int. Ed.* **2010**, *49*, 10202.  
*Org. Lett.* **2010**, *12*, 2262.  
*etc.*

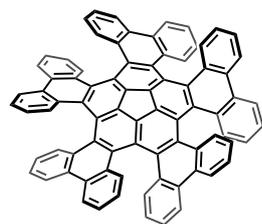
**Carbon Nanorings and Nanocages:**

*Chem. Sci.* **2017**, *8*, 661.  
*Angew. Chem. Int. Ed.* **2015**, *54*, 9646.  
*Angew. Chem. Int. Ed.* **2015**, *54*, 159.  
*J. Am. Chem. Soc.* **2014**, *136*, 16452.  
*Org. Lett.* **2014**, *16*, 2174.  
*Chem. Commun.* **2013**, *50*, 957.  
*Chem. Sci.* **2013**, *4*, 84.  
*Org. Lett.* **2012**, *14*, 1888.  
*J. Am. Chem. Soc.* **2012**, *134*, 2962.  
*Org. Lett.* **2011**, *13*, 2480.  
*etc.*

**Reviews:**

*Acc. Chem. Res.* **2019**, ASAP.  
*Angew. Chem. Int. Ed.* **2016**, *55*, 5136.  
*Nature Rev. Mater.* **2016**, *1*, 15002.  
*Acc. Chem. Res.* **2012**, *45*, 1378.  
*etc.*

## Nonplanar polyarenes by C–H coupling

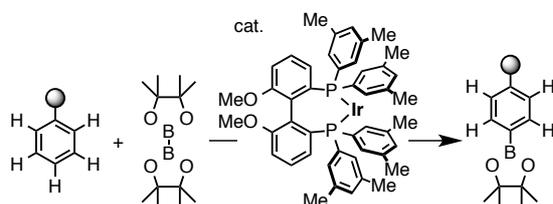


*Chem. Sci.* **2019**, *10*, DOI: 10.1039/C9SC03061A

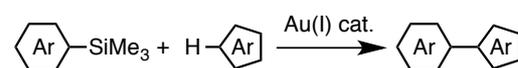
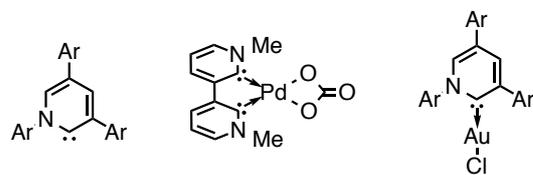
*J. Am. Chem. Soc.* **2019**, *141*, 13158.  
*Chem. Sci.* **2019**, *10*, 2326.  
*Org. Lett.* **2018**, *20*, 1932.  
*Angew. Chem. Int. Ed.* **2018**, *57*, 2874.  
*Angew. Chem. Int. Ed.* **2018**, *57*, 1337.  
*Org. Lett.* **2016**, *18*, 5352.  
*J. Am. Chem. Soc.* **2016**, *138*, 10351.  
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*Chem. Sci.* **2016**, *7*, 650.  
*Org. Lett.* **2016**, *18*, 3992.  
*Chem. Asian J.* **2015**, *10*, 1635.  
*J. Am. Chem. Soc.* **2015**, *137*, 7763.  
*Nature Chem.* **2013**, *5*, 739.  
*Chem. Sci.* **2013**, *4*, 2369.  
*J. Am. Chem. Soc.* **2012**, *134*, 15664.  
*Org. Lett.* **2012**, *14*, 418.  
*J. Am. Chem. Soc.* **2011**, *133*, 10716.  
*etc.*

**Reviews:** *J. Am. Chem. Soc.* **2019**, *141*, 3.  
*Synlett* **2018**, *30*, 370.  
*Angew. Chem. Int. Ed.* **2015**, *54*, 66.

## Para-selective C–H borylation



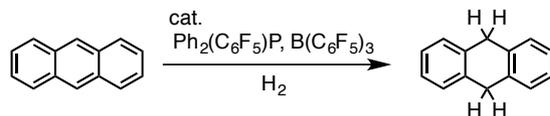
*ACS Catal.* **2016**, *6*, 7536.  
*J. Am. Chem. Soc.* **2015**, *137*, 5193.

Pyridylidene: a strong  $\sigma$ -donor

*Chem. Lett.* **2017**, *46*, 587.  
*Beilstein J. Org. Chem.* **2015**, *11*, 2737.  
*Chem. Commun.* **2013**, *49*, 5648.  
*Chem. Commun.* **2012**, *48*, 6642.

## Frustrated Lewis pair catalyst

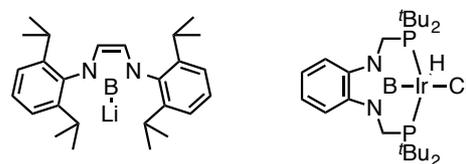
2013, with Prof. Stephan  
 Univ. of Toronto



*Chem. Commun.* **2012**, *48*, 11963.

## Anionic boron species

2005–2009, under Profs. Nozaki & Yamashita  
 Univ. of Tokyo



*J. Am. Chem. Soc.* **2009**, *131*, 9201.  
*J. Am. Chem. Soc.* **2008**, *130*, 16069.  
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*Angew. Chem. Int. Ed.* **2007**, *46*, 6710.  
*Science* **2006**, *314*, 113.  
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Last update: 4 Sep 2019 (h-index: 40)

- [71] Two-step synthesis of a red-emissive warped nanographene derivative via a ten-fold C-H borylation  
Kenta Kato, Hsing-An Lin, Motonobu Kuwayama, Mai Nagase, **Yasutomo Segawa**,\* Lawrence T. Scott, and Kenichiro Itami\*  
*Chem. Sci.* **2019**, DOI: 10.1039/C9SC03061A
- [70] Negatively-curved warped nanographene self-assembled on metal surfaces  
José Urgel,\* Marco Di Giovannantonio, **Yasutomo Segawa**, Pascal Ruffieux, Lawrence T. Scott, Carlo Pignedoli, Kenichiro Itami,\* and Roman Fasel\*  
*J. Am. Chem. Soc.* **2019**, *141*, 13158.
- [69] Topological molecular nanocarbons: all-benzene catenane and trefoil knot  
**Yasutomo Segawa**,\* Motonobu Kuwayama, Yuh Hijikata, Masako Fushimi, Taishi Nishihara, Jenny Pirillo, Junya Shirasaki, Natsumi Kubota, and Kenichiro Itami\*  
*Science* **2019**, *365*, 272-276.
- [68] Synthesis and Structural Features of Thiophene-fused Analogues of Warped Nanographene and Quintuple Helicene  
Hsing-An Lin, Kenta Kato, **Yasutomo Segawa**,\* Lawrence T. Scott, and Kenichiro Itami\*  
*Chem. Sci.* **2019**, *10*, 2326-2330.
- [67] Synthesis and Size-Dependent Properties of [12], [16], and [24]Carbon Nanobelts  
Guillaume Povie, **Yasutomo Segawa**,\* Taishi Nishihara, Yuhei Miyauchi, and Kenichiro Itami\*  
*J. Am. Chem. Soc.* **2018**, *140*, 10054–10059.
- [66] Synthesis and Structure of a Propeller-Shaped Polycyclic Aromatic Hydrocarbon Containing Seven-Membered Rings  
Kazuya Kawai, Kenta Kato, Lingqing Peng, **Yasutomo Segawa**,\* Lawrence T. Scott, and Kenichiro Itami\*  
*Org. Lett.* **2018**, *20*, 1932–1935.
- [65] A Water-soluble Warped Nanographene: Synthesis and Applications for Photo-induced Cell Death  
Hsing-An Lin, Yoshikatsu Sato,\* **Yasutomo Segawa**,\* Taishi Nishihara, Nagisa Sugimoto, Lawrence T. Scott, Tetsuya Higashiyama, and Kenichiro Itami\*  
*Angew. Chem. Int. Ed.* **2018**, *57*, 2874–2878.
- [64] A Quintuple [6]Helicene with a Corannulene Core as a  $C_5$ -symmetric Propeller-shaped  $\pi$ -System  
Kenta Kato, **Yasutomo Segawa**,\* Lawrence T. Scott, and Kenichiro Itami\*  
*Angew. Chem. Int. Ed.* **2018**, *57*, 1337–1341.
- [63] Hole-transporting Materials Based on Thiophene-fused Arenes from Sulfur-mediated Thienannulations  
Hsing-An Lin, Nobuhiko Mitoma, Meng Lingkui, **Yasutomo Segawa**,\* Atsushi Wakamiya,\* and

Kenichiro Itami\*

*Mater. Chem. Front.* **2018**, 2, 275–280.

- [62] Laterally  $\pi$ -Extended Dithia[6]helicenes with Heptagons: Saddle-Helix Hybrid Molecules  
Takao Fujikawa, **Yasutomo Segawa**,\* and Kenichiro Itami\*  
*J. Org. Chem.* **2017**, 82, 7745–7749.
- [61] Synthesis, Properties, and Crystal Structures of  $\pi$ -Extended Double [6]Helicenes: Contorted Multi-Dimensional Stacking Lattice  
Takao Fujikawa, Nobuhiko Mitoma, Atsushi Wakamiya, Akinori Saeki, **Yasutomo Segawa**,\* and Kenichiro Itami\*  
*Org. Biomol. Chem.* **2017**, 15, 4697–4703.
- [60] Synthesis of a Carbon Nanobelt  
Guillaume Povie, **Yasutomo Segawa**,\* Taishi Nishihara, Yuhei Miyauchi, and Kenichiro Itami\*  
*Science* **2017**, 356, 172–175.  
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- [59] Synthesis, Structure, and Electrochemical Property of a Bimetallic Bis-2-pyridylidene Palladium Acetate Complex  
Tetsushi Yoshidomi, Tomohiro Fukushima, Kenichiro Itami, and **Yasutomo Segawa**\*  
*Chem. Lett.* **2017**, 46, 587–590.
- [58] Phenanthro[9,10-*a*]corannulene by One-step Annulative  $\pi$ -Extension of Corannulene  
Kenta Kato, **Yasutomo Segawa**,\* and Kenichiro Itami\*  
*Can. J. Chem.* **2017**, 95, 329–333.
- [57] Synthesis, Structure, and Reactivity of a Cylinder-shaped Cyclo[12]orthophenylene[6]ethynylene: Toward the Synthesis of Zigzag Carbon Nanobelts  
Katsuma Matsui, Masako Fushimi, **Yasutomo Segawa**,\* and Kenichiro Itami\*  
*Org. Lett.* **2016**, 18, 5352–5355.
- [56] Flexible Reaction Pocket on Bulky Diphosphine-Ir Complex Controls Regioselectivity in *para*-selective C–H Borylation of Arenes  
Brandon E. Haines, Yutaro Saito, **Yasutomo Segawa**, Kenichiro Itami,\* and Djamaladdin G Musaev\*  
*ACS Catal.* **2016**, 6, 7536–7546.
- [55] Synthesis and Properties of [8]-, [10]-, [12]-, and [16]Cyclo-1,4-naphthylenes  
Keishu Okada, Akiko Yagi, **Yasutomo Segawa**,\* and Kenichiro Itami\*  
*Chem. Sci.* **2017**, 8, 661–667.

- [54] Thiophene-fused  $\pi$ -Systems from Diarylacetylenes and Elemental Sulfur  
Lingkui Meng, Takao Fujikawa, Motonobu Kuwayama, **Yasutomo Segawa,\*** and Kenichiro Itami\*  
*J. Am. Chem. Soc.* **2016**, *138*, 10351–10355.
- [53] Corannulene-Helicene Hybrids: Chiral  $\pi$ -Systems Comprising Both Bowl and Helical Motifs  
Takao Fujikawa, Dorin V. Preda, **Yasutomo Segawa**, Kenichiro Itami, and Lawrence T. Scott\*  
*Org. Lett.* **2016**, *18*, 3992–3995.
- [52] Helically Twisted Tetracene: Synthesis, Crystal Structure, and Photophysical Properties of Hexabenzobenzene  
Yuuta Yano, Hideto Ito, **Yasutomo Segawa**, and Kenichiro Itami\*  
*Synlett* **2016**, *27*, 2081–2084.
- [51] A Theoretical Study on the Strain Energy of Carbon Nanobelts  
**Yasutomo Segawa,\*** Akiko Yagi, Hideto Ito, and Kenichiro Itami\*  
*Org. Lett.* **2016**, *18*, 1430–1433.
- [50] Synthesis and Structural Features of Quadruple Helicenes: Highly Distorted  $\pi$ -Systems Enabled by Accumulation of Helical Repulsions  
Takao Fujikawa, **Yasutomo Segawa,\*** and Kenichiro Itami\*  
*J. Am. Chem. Soc.* **2016**, *138*, 3587–3595.
- [49] Pyridylidene Ligand Facilitates Gold-Catalyzed Oxidative C–H Arylation of Heterocycles  
Kazuhiro Hata, Hideto Ito, **Yasutomo Segawa,\*** and Kenichiro Itami\*  
*Beilstein J. Org. Chem.* **2015**, *11*, 2737–2746.
- [48] Synthesis of Open-Shell Ladder  $\pi$ -Systems by Catalytic C–H Annulation of Diarylacetylenes  
Takehisa Maekawa, Hiroshi Ueno, **Yasutomo Segawa,\*** Michael M. Haley,\* and Kenichiro Itami\*  
*Chem. Sci.* **2016**, *7*, 650–654.
- [47] Curved Oligophenylenes as Donors in Shape-Persistent Donor-Acceptor Macrocycles with Solvatofluorochromic Properties  
Takuya Kuwabara, Jun Orii, **Yasutomo Segawa**, and Kenichiro Itami\*  
*Angew. Chem. Int. Ed.* **2015**, *54*, 9646–9649.
- [46] Synthesis, Properties, and Packing Structures of Corannulene-Based  $\pi$ -Systems Containing Heptagons  
Kenta Kato, **Yasutomo Segawa,\*** Lawrence T. Scott, and Kenichiro Itami\*  
*Chem. Asian J.* **2015**, *10*, 1635–1639.
- [45] Synthesis, Structures and Properties of  $\pi$ -Extended Double Helicene: A Combination of Planar and Nonplanar  $\pi$ -Systems  
Takao Fujikawa, **Yasutomo Segawa**, and Kenichiro Itami\*  
*J. Am. Chem. Soc.* **2015**, *137*, 7763–7768.

- [44] *para*-C–H Borylation of Benzene Derivatives by a Bulky Iridium Catalyst  
Yutaro Saito, **Yasutomo Segawa,\*** and Kenichiro Itami\*  
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- [43] Palladium-free Synthesis of [10]Cycloparaphenylene  
**Yasutomo Segawa**, Takuya Kuwabara, Katsuma Matsui, Satoru Kawai, and Kenichiro Itami\*  
*Tetrahedron* **2015**, *71*, 4500–4503.
- [42] Cycloparaphenylene-Based Ionic Donor–Acceptor Supramolecule: Isolation and Characterization of  $\text{Li}^+@C_{60}C[10]CPP$   
Hiroshi Ueno, Taishi Nishihara, **Yasutomo Segawa**, and Kenichiro Itami\*  
*Angew. Chem. Int. Ed.* **2015**, *54*, 3707–3711.  
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- [41] Synthesis and Characterization of Hexaarylbenzenes with Five or Six Different Substituents Enabled by Programmed Synthesis  
Shin Suzuki, **Yasutomo Segawa**, Kenichiro Itami,\* and Junichiro Yamaguchi\*  
*Nat. Chem.* **2015**, *7*, 227–233.  
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- [40]  $\eta^6$ -Cycloparaphenylene Transition Metal Complexes: Synthesis, Structure, Photophysical Properties, and Application to the Selective Monofunctionalization of Cycloparaphenylenes  
Natsumi Kubota, **Yasutomo Segawa,\*** and Kenichiro Itami\*  
*J. Am. Chem. Soc.* **2015**, *137*, 1356–1361.
- [39] Thiophene-Based, Radial  $\pi$ -Conjugation: Synthesis, Structure, and Photophysical Properties of Cyclo-1,4-phenylene-2',5'-thienylenes  
Hideto Ito, Yukari Mitamura, **Yasutomo Segawa**, and Kenichiro Itami\*  
*Angew. Chem. Int. Ed.* **2015**, *54*, 159–163.  
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- [38] All-benzene Carbon Nanocages: Size-selective Synthesis, Photophysical Properties, and Crystal Structure  
Katsuma Matsui, **Yasutomo Segawa,\*** and Kenichiro Itami\*  
*J. Am. Chem. Soc.* **2014**, *136*, 16452–16458.
- [37] Synthesis and Dimerization of Chloro[10]cycloparaphenylene: A Directly Connected Cycloparaphenylene Dimer  
Yuuki Ishii, Sanae Matsuura, **Yasutomo Segawa**, and Kenichiro Itami\*  
*Org. Lett.* **2014**, *16*, 2174–2176.

- [36] Excitation Recombination Dynamics in Nanoring Cycloparaphenylenes  
Taishi Nishihara, **Yasutomo Segawa**, Kenichiro Itami, and Yoshihiko Kanemitsu\*  
*Chem. Sci.* **2014**, *5*, 2293–2296.
- [35] Size-Selective Complexation and Extraction of Endohedral Metallofullerenes with Cycloparaphenylene  
Yusuke Nakanishi, Haruka Omachi, Sanae Matsuura, Yasumitsu Miyata, Ryo Kitaura, **Yasutomo Segawa**, Kenichiro Itami,\* and Hisanori Shinohara\*  
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- [34] Synthesis and Properties of Cycloparaphenylene-2,7-pyrenylene: A Pyrene-Containing Carbon Nanoring  
Akiko Yagi, Gandikota Venkataramana, **Yasutomo Segawa**, and Kenichiro Itami\*  
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- [33] Selective Synthesis of [7]- and [8]Cycloparaphenylenes  
Friederike Sibbel, Katsuma Matsui, **Yasutomo Segawa**, Armido Studer and Kenichiro Itami\*  
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- [32] A grossly Warped Nanographene and the Consequences of Multiple Odd-membered-ring Defects  
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*Nat. Chem.* **2013**, *5*, 739–744.  
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- [31] Initiation of Carbon Nanotube Growth by Well-defined Carbon Nanorings  
Haruka Omachi, Takuya Nakayama, Eri Takahashi, **Yasutomo Segawa**, and Kenichiro Itami\*  
*Nat. Chem.* **2013**, *5*, 572–576.  
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- [30] Pyridine-Based Dicarbene Ligand: Synthesis and Structure of Bis-2-pyridylidene Palladium Complex  
Tetsushi Yoshidomi, **Yasutomo Segawa**,\* and Kenichiro Itami  
*Chem. Commun.* **2013**, *49*, 5648–5650.
- [29] C–H Activation Route to Dibenzo[*a,e*]pentalenes: Annulation of Arylacetylenes Promoted by PdCl<sub>2</sub>/AgOTf/*o*-chloranil  
Takehisa Maekawa, **Yasutomo Segawa**,\* and Kenichiro Itami\*  
*Chem. Sci.* **2013**, *4*, 2369–2373.
- [28] Palladium-catalyzed Direct Phenylation of Perylene: Structural and Optical Properties of 3,4,9-Triphenylperylene and 3,4,9,10-Tetraphenylperylene  
Katsuaki Kawasumi, Kenji Mochida, **Yasutomo Segawa**, and Kenichiro Itami\*  
*Tetrahedron* **2013**, *69*, 4371.

- [27] Metal-free Hydrogenation Catalysis of Polycyclic Aromatic Hydrocarbons  
**Yasutomo Segawa** and Douglas W. Stephan\*  
*Chem. Commun.* **2012**, 48, 11963–11965.
- [26] Excited States in Cycloparaphenylenes: Dependence of Optical Properties on Ring Length  
Taishi Nishihara, **Yasutomo Segawa**, Kenichiro Itami, and Yoshihiko Kanemitsu\*  
*J. Phys. Chem. Lett.* **2012**, 3, 3125–3128.
- [25] Palladium-Catalyzed C–H Activation Taken to the Limit. Flattening an Aromatic Bowl by Total Arylation  
Qianyan Zhang, Katsuaki Kawasumi, **Yasutomo Segawa**, Kenichiro Itami,\* and Lawrence T. Scott\*  
*J. Am. Chem. Soc.* **2012**, 134, 15664–15667.
- [24] Synthesis and Properties of All-Benzene Carbon Nanocages: A Junction Unit of Branched Carbon Nanotubes  
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*Chem. Sci.* **2013**, 4, 84–88.  
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**Selected as Inside Back Cover**
- [23] Isolation of PBP-Pincer Rhodium Complex Stabilized by an Intermolecular C–H  $\sigma$ -Coordination as the Fourth Ligand  
Maki Hasegawa, **Yasutomo Segawa**, Makoto Yamashita,\* and Kyoko Nozaki\*  
*Angew. Chem. Int. Ed.* **2012**, 51, 6956–6960.
- [22] 1,3,5-Triaryl 2-Pyridylidene: Base-Promoted Generation and Complexation  
Kazuhiro Hata, **Yasutomo Segawa**,\* and Kenichiro Itami\*  
*Chem. Commun.* **2012**, 48, 6642–6644.
- [21] Size-selective Synthesis of [9]-[11] and [13]Cycloparaphenylenes  
Yuuki Ishii, Yusuke Nakanishi, Haruka Omachi, Sanae Matsuura, Katsuma Matsui, Hisanori Shinohara, **Yasutomo Segawa**, and Kenichiro Itami\*  
*Chem. Sci.* **2012**, 3, 2340–2345.
- [20] Synthesis and Properties of Cycloparaphenylene-2,5-pyridylidene: A Nitrogen-Containing Carbon Nanoring  
Katsuma Matsui, **Yasutomo Segawa**, and Kenichiro Itami\*  
*Org. Lett.* **2012**, 14, 1888–1891.
- [19] Combined Experimental and Theoretical Studies on the Photophysical Properties of Cycloparaphenylenes  
**Yasutomo Segawa**, Aiko Fukazawa, Sanae Matsuura, Haruka Omachi, Shigehiro Yamaguchi,\* Stephan Irle,\* and Kenichiro Itami\*  
*Org. Biomol. Chem.* **2012**, 10, 5979–5984.

- [18] Synthesis and Properties of [9]Cyclo-1,4-naphthylene: A  $\pi$ -Extended Carbon Nanoring  
Akiko Yagi, **Yasutomo Segawa**, and Kenichiro Itami\*  
*J. Am. Chem. Soc.* **2012**, *134*, 2962–2965.
- [17] Pd(OAc)<sub>2</sub>/*o*-Chloranil/M(OTf)<sub>n</sub>: A Catalyst for the Direct C–H Arylation of Polycyclic Aromatic Hydrocarbons with Boryl-, Silyl-, and Unfunctionalized Arenes  
Katsuaki Kawasumi, Kenji Mochida, Tomonori Kajino, **Yasutomo Segawa**, and Kenichiro Itami\*  
*Org. Lett.* **2012**, *14*, 418–421.
- [16] Direct Arylation of Polycyclic Aromatic Hydrocarbons through Palladium Catalysis  
Kenji Mochida, Katsuaki Kawasumi, **Yasutomo Segawa**, and Kenichiro Itami\*  
*J. Am. Chem. Soc.* **2011**, *133*, 10716–10719.  
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- [15] Synthesis and Racemization Process of Chiral Carbon Nanorings: A Step Toward the Chemical Synthesis of Chiral Carbon Nanotubes  
Haruka Omachi, **Yasutomo Segawa**, and Kenichiro itami\*  
*Org. Lett.* **2011**, *13*, 2480–2483.
- [14] Syntheses and Properties of Triborane(5) Possessing Bulky Diamino Substituents on Terminal Boron Atoms  
Yumi Hayashi, **Yasutomo Segawa**, Makoto Yamashita,\* and Kyoko Nozaki\*  
*Chem. Commun.* **2011**, *47*, 5888–5890.
- [13] [9]Cycloparaphenylene: Nickel-Mediated Synthesis and Crystal Structure  
**Yasutomo Segawa**, Petr Šenel, Sanae Matsuura, Haruka Omachi, and Kenichiro Itami\*  
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- [12] Aziridinofullerene: A Versatile Platform for Functionalized Fullerenes  
Masakazu Nambo, **Yasutomo Segawa**, and Kenichiro Itami\*  
*J. Am. Chem. Soc.* **2011**, *133*, 2402–2405.  
**Highlighted in SYNFACTS**
- [11] Concise Synthesis and Crystal Structure of [12]Cycloparaphenylene  
**Yasutomo Segawa**, Shinpei Miyamoto, Haruka Omachi, Sanae Matsuura, Petr Šenel, Takahiro Sasamori, Norihiro Tokitoh, and Kenichiro Itami\*  
*Angew. Chem. Int. Ed.* **2011**, *50*, 3244–3248.  
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- [10] Selective Introduction of Organic Groups to C<sub>60</sub> and C<sub>70</sub> Using Organoboron Compounds and Rhodium Catalyst: A New Synthetic Approach to Organo(hydro)fullerenes

- Masakazu Nambo, **Yasutomo Segawa**, Atsushi Wakamiya, and Kenichiro Itami\*  
*Chem. Asian J.* **2011**, *6*, 590–598.
- [9] A Modular and Size-Selective Synthesis of  $[n]$ Cycloparaphenylenes: A Step toward the Selective Synthesis of  $[n,n]$  Single-Walled Carbon Nanotubes  
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*Angew. Chem. Int. Ed.* **2010**, *49*, 10202–10205.  
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- [8] Theoretical Studies on the Structures and Strain Energies of Cycloparaphenylenes  
**Yasutomo Segawa**, Haruka Omachi, and Kenichiro Itami\*  
*Org. Lett.* **2010**, *12*, 2262–2265.
- [7] Diphenylphosphino- or Dicyclohexylphosphino-Tethered Boryl Pincer Ligands: Syntheses of PBP Iridium(III) Complexes and Their Conversion to Iridium–Ethylene Complexes  
**Yasutomo Segawa**, Makoto Yamashita,\* and Kyoko Nozaki\*  
*Organometallics* **2009**, *28*, 6234–6242.
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