

## Publication List

- 1) Dual Trapping of a Metastable Planarized Triarylborane  $\pi$ -System Based on Folding and Lewis Acid–Base Complexation for Seeded Polymerization  
H. Choi, S. Ogi,\* N. Ando, S. Yamaguchi\*  
*J. Am. Chem. Soc.*, **143**, 2953–2961 (2021).
- 2) Hydrophobicity-driven Folding and Seeded Polymerization of Cystine-based Dimeric Diamides in Aqueous Media  
N. Fukaya, S. Ogi,\* M. Kawashiro, S. Yamaguchi\*  
*Chem. Commun.*, **56**, 12901–12904 (2020).  
**Highlighted as a Front Cover**  
**Selected as a HOT Article**
- 3) Long-lived charge transfer state from B-N frustrated Lewis pairs enchainned in supramolecular copolymers  
B. Adelizzi, P. Chidchob, N. Tanaka, B. A.G. Lamers, S. C. J. Meskers, S. Ogi, A. R. A. Palmans, S. Yamaguchi,\* E. W. Meijer\*  
*J. Am. Chem. Soc.*, **142**, 16681–16689 (2020).
- 4) Hydrophobicity and CH/ $\pi$ -interaction-driven self-assembly of amphiphilic aromatic hydrocarbons into nanosheets  
T. Nishikawa, H. Narita, S. Ogi,\* Y. Sato, S. Yamaguchi\*  
*Chem. Commun.*, **55**, 14950–14953 (2019).
- 5) Seeded Polymerization of an Amide-Functionalized Diketopyrrolopyrrole Dye in Aqueous Media  
S. Ogi,\* N. Fukaya, Arifin, B. B. Skjelstad, Y. Hijikata, S. Yamaguchi\*  
*Chem. Eur. J.*, **25**, 7303–7307 (2019).
- 6) Pathway complexity in the self-assembly of a zinc chlorin model system of natural bacteriochlorophyll J-aggregates  
S. Ogi, C. Grzeszkiewicz, F. Würthner\*  
*Chem. Sci.*, **9**, 2768–2773 (2018).
- 7) Seeded Polymerization through the Interplay of Folding and Aggregation of an Amino-Acid-based Diamide  
S. Ogi,\* K. Matsumoto, S. Yamaguchi\*  
*Angew. Chem. Int. Ed.*, **57**, 2339–2343 (2018).  
**Selected as a Hot Paper**  
**Highlighted as a Back Cover**  
**Most accessed articles in February 2018**
- 8) Living Supramolecular Polymerization of a Perylene Bisimide Dye into Fluorescent J-Aggregates  
W. Wagner, M. Wehner, V. Stepanenko, S. Ogi, F. Würthner\*  
*Angew. Chem. Int. Ed.*, **56**, 16008–16012 (2017).  
**Selected as a Hot Paper**
- 9) Near-IR Absorbing J-Aggregate of an Amphiphilic BF<sub>2</sub>-Azadipyrrromethene Dye by Kinetic Cooperative Self-Assembly

Z. Chen,\* Y. Liu, W. Wagner, V. Stepanenko, X. Ren, S. Ogi, F. Würthner\*  
*Angew. Chem. Int. Ed.*, **56**, 5729–5733 (2017).

**Highlighted as a Cover Picture**

- 10) Impact of Alkyl Spacer Length on Aggregation Pathways in Kinetically Controlled Supramolecular Polymerization  
S. Ogi, V. Stepanenko, J. Thein, F. Würthner\*  
*J. Am. Chem. Soc.*, **138**, 670–678 (2016).
- 11) Mechanism of Self-Assembly Process and Seeded Supramolecular Polymerization of Perylene Bisimide Organogelator  
S. Ogi, V. Stepanenko, K. Sugiyasu, M. Takeuchi, F. Würthner\*  
*J. Am. Chem. Soc.*, **137**, 3300–3307 (2015).  
**Highlighted in Angewandte Highlights:** “Programmable Supramolecular Polymerizations”  
*Angew. Chem. Int. Ed.*, **54**, 8334 (2015).
- 12) Kinetic Control over Pathway Complexity in Supramolecular Polymerization through Modulating the Energy Landscape by Rational Molecular Design  
S. Ogi, T. Fukui, M. L. Jue, M. Takeuchi,\* K. Sugiyasu\*  
*Angew. Chem. Int. Ed.*, **53**, 14363–14367 (2014).  
**Highlighted in NIMS Press Release**
- 13) Conductive Poly(2,5-substituted aniline)s Highly Soluble both in Water and Organic Solvents  
S. Xu, S. Ogi, K. Sugiyasu, S. Sumi, Y. Kobayashi, M. Takeuchi\*  
*J. Nanosci. Nanotechnol.*, **14**, 4449–4454 (2014).
- 14) Living supramolecular polymerization realized through a biomimetic approach  
S. Ogi, K. Sugiyasu,\* S. Manna, S. Samitsu, M. Takeuchi\*  
*Nat. Chem.*, **6**, 188–195 (2014).  
**Highlighted in News and Views of the issue:** Living it up. *Nat. Chem.*, **6**, 171 (2014).  
**Highlighted in NIMS Press Release**  
**Highlighted in Science:** Living supramolecular polymerization. *Science*, **349**, 241 (2015).
- 15) Synthesis of Polyaniline with Low Polydispersity by Using a Supramolecular Ionic Assembly as the Reaction Medium  
S. Xu, S. Das, S. Ogi, K. Sugiyasu, H. Okazaki, Y. Takano, T. Yasuda, K. Deguchi, S. Ohki, T. Shimizu, M. Takeuchi\*  
*Chem. Eur. J.*, **19**, 5824–5829 (2013).
- 16) Stimuli-Responsive Folding and Unfolding of a Polymer Bearing Multiple Cerium(IV) Bis(porphyrinate) Joints: Mechano-imitation of the Action of a Folding Ruler  
M. Shibata, S. Tanaka, T. Ikeda, S. Shinkai,\* K. Kaneko, S. Ogi, M. Takeuchi\*  
*Angew. Chem. Int. Ed.*, **52**, 397–400 (2013).
- 17) Synthetic Molecular Gear Based on Double-Decker Porphyrin Complexes  
S. Ogi, T. Ikeda, M. Takeuchi\*  
*J. Inorg. Organomet. Polym.*, **23**, 193–199 (2013).
- 18) Synthesis and Fluorescence Resonance Energy Transfer Properties of an Alternating Donor-Acceptor Copolymer Featuring Orthogonally Arrayed Transition Dipoles along the

## Polymer Backbone

S. Ogi, K. Sugiyasu,\* M. Takeuchi\*

*ACS Macro Lett.*, **1**, 1199–1203 (2012).

**Highlighted in Synfacts:** “A FRET Donor–Acceptor Copolymer with Spatially Alternating Transition Dipoles” *Synfacts*, **8**, 1319 (2012).

- 19) Oligofluorene-based nanoparticles in aqueous medium: hydrogen bond assisted modulation of functional properties and color tunable FRET emission  
B. Balan, C. Vijayakumar, S. Ogi, M. Takeuchi\*  
*J. Mater. Chem.*, **22**, 11224–11234 (2012).
- 20) Synthesis of Self-Threading Bithiophenes and their Structure-Property Relationships Regarding Cyclic Sidechains with Atomic Precision  
Y. Ouchi, K. Sugiyasu,\* S. Ogi, A. Sato, M. Takeuchi\*  
*Chem. Asian. J.*, **7**, 75–84 (2012).
- 21) Mechanically Interlocked Porphyrin Gears Propagating Two Different Rotational Frequencies  
S. Ogi, T. Ikeda, R. Wakabayashi, S. Shinkai, M. Takeuchi\*  
*Eur. J. Org. Chem.*, 1831–1836 (2011).
- 22) Synthesis of a Doubly Strapped Light-Harvesting Porphyrin Bearing Energy Donor Molecules Hanging on to the Straps: An Attempt toward Macroscopic Control over Molecular Conformation that Affects the Efficiency of Fluorescence Resonance Energy Transfer  
S. Ogi, K. Sugiyasu,\* M. Takeuchi\*  
*Bull. Chem. Soc. Jpn.*, **84**, 40–48 (2011).  
**Highlighted as Selected Papers**
- 23) A Bevel-Gear-Shaped Rotor Bearing a Double-Decker Porphyrin Complex  
S. Ogi, T. Ikeda, R. Wakabayashi, S. Shinkai,\* M. Takeuchi\*  
*Chem. Eur. J.*, **16**, 8285–8290 (2010).  
**Highlighted in Chemistry World:** “Molecular machines shift into gear” June (2010).

## Accounts and Reviews

- 24) Perylene Bisimide Dye Assemblies as Archetype Functional Supramolecular Materials  
F. Würthner,\* C. R. Saha-Möller, B. Fimmel, S. Ogi, P. Leowanawat, D. Schmidt  
*Chem. Rev.*, **116**, 962–1052 (2016).
- 25) Strapped porphyrin-based polymeric systems  
K. Sugiyasu,\* S. Ogi, M. Takeuchi  
*Poly. J.*, **46**, 674–681 (2014).

## 著書・解説記事

- 26) 触媒／光増感剤ブレンドファイバー状集合体  
大城宗一郎  
化学 (6月号), 76, 63–64 (2021), 化学同人発行.

- 27) 会合様式と吸収・蛍光スペクトル  
大城宗一郎  
超分子ポリマー, CSJカレントレビュー33 (日本化学会編), Part I 4章, 50–52 (2019), 化学同人発行.
- 28) 「超分子ポリマーを精密につくる」 ヴェルツブルク大学・Würthner研より  
大城宗一郎  
Chem-Station 海外研究記, 第11回 (2017/3/21).
- 29) アミロイド線維のように成長する超分子集合体：メカニズムの解明と時間発展プログラム  
福井智也, 大城宗一郎, 竹内正之, 杉安和憲  
生物物理, **55**, 154–156 (2015), 日本生物物理学会発行.
- 30) リビング超分子重合の実現  
杉安和憲, 大城宗一郎, 竹内正之  
高分子, **63**, 851–854 (2014), 高分子学会発行.