

C3.8 (M. Mayor)

- [C3.8:1] L. Shu, Z. Mu, H. Fuchs, L. Chi, and M. Mayor, *A self assembled molecular zipper based on a perfluorophenyl-phenyl diacetylene motif*, [Chem. Comm.](#) **1862** (2006)
- [C3.8:2] L. Shu and M. Mayor, *Shape persistent macrocycle with a self complementary recognition pattern based on diacetylene linked alternating hexylbenzene- and perfluorobenzene- rings*, [Chem. Comm.](#) **4134** (2006)
- [C3.8:3] Z. Mu, L. Shu, H. Fuchs, M. Mayor, and L. Chi, *Two Dimensional Chiral Networks Emerging from the Aryl-F···H Hydrogen-Bond-Driven Self-Assembly of Partially Fluorinated Rigid Molecular Structures*, [J. Am. Chem. Soc.](#) **130**, 10840 (2008)
- [C3.8:4] * ‡ L. Shu, M. Müri, R. Krupke, M. Mayor, *Shape-persistent macrocycles comprising perfluorinated benzene subunits: synthesis, aggregation behaviour and unexpected μ -rod formation*, [Org. Biomol. Chem.](#) **7**, 1081 (2009)
- [C3.8:5] * ‡ C. Pérez León, C. Sürgers, M. Mayor, M. Marz, R. Hoffmann, and H. v. Löhneysen, *STM Investigation of Large π -Conjugated Oligomers and Tetrahydrofuran Codeposited on Cu(111) by Pulse Injection*, [J. Phys. Chem. C.](#) **113**, 14335 (2009)
- [C3.8:6] * ‡ M. Barczewski, S. Walheim, T. Heiler, A. Błaszczyk, M. Mayor, T. Schimmel, *High Aspect Ratio Constructive Nanolithography with a Photo Dimerizable Molecule*, [Langmuir](#) **26**, 3623 (2010)
- [C3.8:7] ‡ A. Dreas-Włodarczak, M. Müllneritsch, T. Juffmann, C. Cioffi, M. Arndt, and M. Mayor, *Immobilization of Zinc Porphyrin Complexes on Pyridine-Functionalized Glass Surfaces*, [Langmuir](#) **26**, 10822 (2010)
- [C3.8:8] * ‡ C.W. Marquardt, S. Grunder, A. Błaszczyk, S. Dehm, F. Hennrich, H. v. Löhneysen, M. Mayor, and R. Krupke, *Electroluminescence from a single nanotube-molecule-nanotube junction*, [Nature Nanotechnology](#) **5**, 863 (2010)
- [C3.8:9] * F.A. Lemasson, T. Strunk, P. Gerstel, F. Hennrich, S. Lebedkin, C. Barner-Kowollik, W. Wenzel, M.M. Kappes, and M. Mayor, *Selective Dispersion of Single- Walled Carbon Nanotubes with Specific Chiral Indices by Poly(N-decyl-2,7-carbazole)*, [J. Am. Chem. Soc.](#) **133**, 652 (2011)
- [C3.8:10] * ‡ S. Grunder, D. Muñoz Torres, C. Marquardt, A. Błaszczyk, R. Krupke, and M. Mayor, *Synthesis and Optical Properties of Molecular Rods Comprising a Central Core-Substituted Naphthalenediimide Chromophore for Carbon Nanotube Junctions*, [Eur. J. Org. Chem.](#) **478** (2011)
- [C3.8:11] Z. Mu, L. Shu, H. Fuchs, M. Mayor, and L. Chi, *Two-dimensional Self-Assembly of Linear Molecular Rods at Liquid/Solid Interface*, [Langmuir](#) **27**, 1359 (2011)
- [C3.8:12] * N. Berton, F. Lemasson, J. Tittmann, N. Stürzl, F. Hennrich, M. Kappes, and M. Mayor, *Copolymer-controlled diameter-selective dispersion of semiconducting single-walled carbon nanotubes*, [Chem. Mater.](#) **23**, 2237 (2011)
- [C3.8:13] * F. Lemasson, J. Tittmann, F. Hennrich, N. Stürzl, S. Malik, M.M. Kappes, and M. Mayor, *Debundling, selection and release of SWNTs using fluorene-based photocleavable polymers*, [Chem. Commun.](#) **47**, 7428 (2011)
- [C3.8:14] * F. Lemasson, N. Berton, J. Tittmann, F. Hennrich, M.M. Kappes, and M. Mayor, *Polymer Library Comprising Fluorene and Carbazole Homo- and Copolymers for Selective Single-Walled Carbon Nanotubes Extraction*, [Macromolecules](#) **44**, 8563 (2012)
- [C3.8:15] * N. Berton, F. Lemasson, F. Hennrich, M. Kappes, and M. Mayor, *Influence of molecular weight on selective oligomer-assisted dispersion of single-walled*

carbon nanotubes and subsequent polymer exchange, Chem. Commun. **48**, 2516 (2012)

- [C3.8:16] * M. Bürkle, J.K. Viljas, D. Vonlanthen, A. Mishchenko, G. Schön, M. Mayor, T. Wandlowski, and F. Pauly, *Conduction mechanisms in biphenyl dithiol single-molecule junctions*, Phys. Rev. B **85**, 075417 (2012)
- [C3.8:17] * P. Gerstel, S. Klumpp, F. Hennrich, O. Altintas, T.R. Eaton, M. Mayor, C. Barner-Kowollik, and M.M. Kappes, *Selective dispersion of single-walled carbon nanotubes via easily accessible conjugated click polymers*, Polym. Chem. **3**, 1966 (2012)
- [C3.8:18] * M. Bürkle, L.A. Zotti, J.K. Viljas, D. Vonlanthen, A. Mishchenko, T. Wandlowski, M. Mayor, G. Schön, and F. Pauly, *Ab initio study of the thermopower of biphenyl-based single-molecule junctions*, Phys. Rev. B **86**, 115304 (2012)
- [C3.8:19] * J. Rotzler, H. Gsellinger, A. Bihlmeier, M. Gantenbein, D. Vonlanthen, D. Haussinger, W. Klopper, and M. Mayor, *Atropisomerization of di-para-substituted propyl-bridged biphenyl cyclophanes*, Org. Biomol. Chem. **11**, 110 (2013)
- [C3.8:20] * A. Schramm, C. Stroh, K. Dössel, M. Lukas, M. Fischer, F. Schramm, O. Fuhr, H. v. Löhneysen, and M. Mayor, *Tripodal M^{II} Complexes on Au(111) Surfaces: Towards Molecular “Lunar Modules”*, Eur. J. Inorg. Chem. **70** (2013)
- [C3.8:21] * A. Schramm, C. Stroh, K. Dössel, M. Lukas, O. Fuhr, H. v. Löhneysen, and M. Mayor, *Isolated facial and meridional tris(bipyridine)Ru(II) for STM studies on Au(111)*, Chem. Commun. **49**, 1076 (2013)
- [C3.8:22] * M. Lukas, K. Dössel, A. Schramm, O. Fuhr, C. Stroh, M. Mayor, K. Fink and H. v. Löhneysen, *A Tripodal Molecule on a Gold Surface: Orientation-Dependent Coupling and Electronic Properties of the Molecular Legs*, ACS Nano **7**, 6170 (2013)
- [C3.8:23] * N. Berton, F. Lemasson, A. Poschlad, V. Meded, F. Tristram, W. Wenzel, F. Hennrich, M.M. Kappes and M. Mayor, *Selective Dispersion of Large-Diameter Semiconducting Single-Walled Carbon Nanotubes with Pyridine-Containing Copolymers*, Small **10**, 360 (2014)