

Publication List

2011

1. M. Moeller, C. Hentschel, L.F. Chi, A. Studer: "Aggregation behaviour of peptide-polymer conjugates containing linear peptide backbones and multiple polymer side chains prepared by nitroxide-mediated radical polymerization", *Org. Bio. Chem.* 9 (2011) 2403-2412.
2. Yong Li, Julia C. Niehaus, Yueyue Chen, Harald Fuchs, Armino Studer*, Hans-Joachim Galla, Lifeng Chi*: "Patterning of proteins into nanostripes on Si-wafer over large areas: a combination of Langmuir-Blodgett patterning and orthogonal surface chemistry", *Soft Matter*, 7(2011) 861-863.
3. Liqiang Li, Wenping Hu*, Harald Fuchs, Lifeng Chi*: "Controlling Molecular Packing for Charge Transport in Organic Thin Films", *Adv. Eng. Mater.* 1 (2011) 188-193.
4. Christof Wigbers, Jörg Prigge, Zhongchen Mu, Roland Fröhlich, Lifeng Chi, Ernst-Ulrich Würthwein* : " Synthesis, Structures, and Aggregation Properties of *N*-Acylamidines", *European Journal of Organic Chemistry*, 2011, 5 (2011) 861–877.

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1. F. Lin, Z.Y. Fang, S.C. Qu, S. Huang, W.T. Song, L.F. Chi* : "Homogeneous Epitaxial Growth of *N,N'*-di(*n*-butyl)quinacridone Thin Films on Ag(110)", *J. nanoscience and Nanotechnology*, 10 (2010) 7162 – 7166.
2. P.B. Wan, Y.Y. Chen, Y.B. Xing, L.F. Chi, X. Zhang: "Combining Host-Guest Systems with Nonfouling Material for the Fabrication of a Biosurface: Toward Nearly Complete and Reversible Resistance of Cytochrome *c*", *Langmuir*, 26 (2010)12515-12517.
3. J.C. Niehaus, M. Hirtz, M.K. Brinks, A. Studer*, H. Fuchs, L.F. Chi*: " Patterning of Functional Compounds by Multicomponent Langmuir-Blodgett Transfer and Subsequent Chemical Modification", *Langmuir*, 26 (2010) 15388-15393.
4. J.Y. Hao, N. Lu*, L.Q. Li, M. Hirtz, L-G. Gao, W.C. Wang, C.Du, H. Fuchs, L.F. Chi* : "Anisotropic growth of organic semiconductor based on mechanical contrast of pre-patterned monolayer", *Soft Matter*, 6 (2010)5302-5304.
5. Y.D. Wang, Yandong, N. Lu*, H.B. Xu, G. Shi, M.J. Xu, X.W. Lin, H.B. Li, W.T. Wang, D.P. Qi, Y.Q. Lu, L.F. Chi*: "Biomimetic corrugated silicon nanocone arrays for self-cleaning antireflection coatings", *Nano Research*, 3 (2010) 520-527. (cover)

6. M.H. Koepf, S.V. Gurevich, R. Friedrich, and L.F. Chi: "Pattern Formation in Monolayer Transfer Systems with Substrate-Mediated Condensation", *Langmuir*, 26 (2010) 10444-10447.
7. Haiming Zhang, Yong Li, Xin Xu, Taolei Sun, Harald Fuchs and Lifeng Chi*: "Ion strength and pH sensitive phase transition of N-isobutyryl-L-(D)-cysteine monolayers on Au (111) surfaces", *Langmuir*, 26 (2010) 7343 – 7348.
8. Liqiang Li, Peng Gao, Klaus C. Schuermann, Stefan Ostendorp, Wenchong Wang, Chuan Du, Yong Lei, Harald Fuchs, Luisa De Cola, Klaus Müllen* and Lifeng Chi*: "Controllable Growth and Field-Effect Property of Monolayer to Multilayer Microstripes", *JACS* 132 (2010) 8807-8809. (cover)
9. Wenchong Wang, Chuan Du, Hai Bi, Yinghui Sun, Yue Wang, Christian Mauser, Enrico Da Como, Harald Fuchs, and Lifeng Chi*: "Tunable multicolor ordered patterns with two dye molecules", *Adv. Mater.* 22 (2010) 2764 -
10. Bingjie Yang, Nan Lu*, Dianpeng Qi, Qiong Wu, Juanyuan Hao, Renping Ma†, Xiaoming Liu, Ying Mu, Vincent Reboud, Nikolaos Kehagias, Clivia M. Sotomayor Torres, Freddy Yin Chiang Boey, Xiaodong Chen, and Lifeng Chi*: "Tuning the Intensity of Metal Enhanced Fluorescence by Engineering Silver Nanoparticle Arrays", *Small*, 9 (2010) 1038-1043.
11. Chunyu Huang, Nan Lu*, Yandong Wang, Lu Tian, Bingjie Yang, Bin Dong, Lifeng Chi*: "A Simple Method for the Fabrication of High-Resolution Conducting Polymer Patterns", *Langmuir*, 26 (2010) 9142-9145.
12. Liqiang Li, Wenping Hu,* Lifeng Chi, * Harald Fuchs: "Polymer Brush and Inorganic Oxide Hybrid Nanodielectrics for High Performance Organic Transistors", *J. Phys. Chem. B*, 114 (2010) 5315 - 5319.
13. Dingyong Zhong, Katrin Wedeking, Tobias Blömker, Gerhard Erker, Harald Fuchs, Lifeng Chi*, "Multilevel supramolecular architectures self-assembled on metal surfaces", *ACS Nano* 4 (2010) 1997-2002.
14. Qi, Dianpeng; Lu, Nan*; Yang, Bingjie; Xu, Hongbo; Xu, Miaojun; Chi, Lifeng*: "Generation of metal patterns by topography-direct deposition", *Microelectronics Engineering*, 87 (2010) 1509-1511.
15. Liqiang Li, Michael Hirtz, Wenchong Wang, Chuan Du, Harald Fuchs, and Lifeng Chi: "Patterning of Polymer Electrodes by Nanoscratching", *Adv. Mater.* 22 (2010), 1374-1378.
16. Xu, M.J.; Lu, N.; Xu, H.B.; Qi, D. P.; Wang, Y.D.; Shi, S. L.; Chi, L.F.: "Fabrication of flexible superhydrophobic biomimic surfaces", *Soft Matter*, 6 (2010) 1438-1443.
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22. Bo Zhang, Yu-Yan Weng, Xiao-Ping Huang, Mu Wang,* Ru-Wen Peng, Nai-Ben Ming, Bingjie Yang, Nan Lu, and Lifeng Chi: "Creating In-Plane Metallic-Nanowire Arrays by Corner-Mediated Electrodeposition", *Adv. Mater.* (2009) 3576-3581.
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