

## Günter Reiter: Veröffentlichungen / *publications*

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### Artikel in Fachzeitschriften / *articles in scientific journals*

#### 2021

[Semi-crystalline poly\(thioether\) prepared by visible-light-induced organocatalyzed thiol-ene polymerization in emulsion](#)

Cuong Minh Quoc Le, Gautier Schrodj, Ibrahima Ndao, Brahim Bessif, Barbara Heck, Thomas Pfohl, Günter Reiter, Justine Elgoyen, Radmila Tomovaska and Abraham Chemtob. *Macromol. Rapid Commun.* 2021, 2100740

[Illumination of Conjugated Polymers Reduces Nucleation Probability and Slows Down Crystal Growth Rate](#)

Yaser AlShetwi, Brahim Bessif, Michael Sommer, Günter Reiter. *Macromolecules* 54, 2021, 11478–11485

[Successive melting and crystallization of poly\(3-hexylthiophene\) in the melt-memory domain versus isotropic melt domain](#)

Mina Alizadehghadam, Farhang Abbasi, Günter Reiter. *Journal of Materials Science* 56 (2021) 19723–19737

[Heat dissipation in Sm<sup>3+</sup> and Zn<sup>2+</sup> co-substituted magnetite \(Zn<sub>0.1</sub>Sm<sub>x</sub>Fe<sub>2.9-x</sub>O<sub>4</sub>\) nanoparticles coated with citric acid and pluronic F127 for hyperthermia application](#)

S. Shatooti, M. Mozaffari, G. Reiter, D. Zahn, S. Dutz. *Scientific Reports* 11 (2021) 16795

[Controlled Switching from the Growth of Mono-Lamellar Polymer Crystals to the Formation of Stacks of Uniquely Oriented Lamellae](#)

Weixiang Chen, Brahim Bessif, Renate Reiter, Jun Xu, Günter Reiter. *Macromolecules* 54 (2021) 8135–8142

[Self-Seeding Procedure for Obtaining Stacked Block Copolymer Lamellar Crystals in Solution](#)

Brahim Bessif, Thomas Pfohl and Günter Reiter. *Polymers* 13 (2021) 1676

[Concepts of nucleation in polymer crystallization](#)

Jun Xu, Günter Reiter, Rufina G. Alamo. *Crystals* 11 (2021) 304

[Continuous illumination of a conjugated polymer causes strong enhancement of photoluminescence](#)

Yaser AlShetwi, Daniel Schiefer, Michael Sommer. Günter Reiter. *J. Phys. Chem. B* 125 (2021) 5636–5644

[Formation of Stacked Three-Dimensional Polymer “Single Crystals”](#)

Zhixin Guo, Shouke Yan, Günter Reiter. *Macromolecules* 54 (2021) 4918–4925

[Measurements of periodically perturbed dewetting force fields and their consequences on the symmetry of the resulting patterns](#)

Konstantinos Roumpos, Sarah Fontaine, Thomas Pfohl, Oswald Prucker, Jürgen Rühle, and Günter Reiter. *Scientific Reports* 11 (2021) 13149

[Changes in surface free energy and surface conductivity of carbon nanotubes/polyimide nanocomposite films induced by UV irradiation](#)

Baode Zhang, Marialaura Clausi, Barbara Heck, Susanna Laurenzi, Gabriella Santonicola, Janis Kleperis, Andris Antuzeviĉs, Guenter Reiter, Andrey Aleshin, Anatoly Lobach. *ACS Appl. Mater. Interfaces* 13 (2021) 24218–24227

[A new growth process for crystalline ultra-thin layers of conjugated oligomers used in field-effect transistor applications](#)

Sven Renkert, Sadiara Fall, Sajedah Motamen, Thibaut Jarrosson, Françoise Serein-Spirau, Thomas Heiser, Laurent Simon, Günter Reiter, Jean-Luc Bubendorff. *Applied Surface Science* 539 (2021) 148024

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[Exploring pathways to equilibrate Langmuir polymer films](#)

Abhijna Das, Sebastian Noack, Helmut Schlaad, Günter Reiter, Renate Reiter. *Langmuir* 36 (2020) 8184–8192

[Energy transport and light propagation mechanisms in organic single crystals](#)

Bernd Wittmann, Stephan Wiesneth, Sajedah Motamen, Laurent Simon, Françoise Serein-Spirau, Günter Reiter, and Richard Hildner. *Journal of Chemical Physics* 153 (2020) 144202

[Large quantum efficiency enhancements of pristine conjugated polymer MEH-PPV by interlayer polymer diffusion](#)

Po-Tsun Chen, Ya-Wei Yang, Günter Reiter, Arnold C.-M. Yang. *Polymer* 204 (2020) 122753

[Formation of Needle-like Poly\(3-hexylthiophene\) Crystals from Metastable Solutions](#)

Tianyu Wu, Thomas Pfohl, Sivasurender Chandran, Michael Sommer and Günter Reiter. *Macromolecules* 53 (2020) 8303–8312

[Rheological Properties of Blends of Isotactic Polystyrene–Isotactic Poly\(para-methylstyrene\) Films Derived from a Comparative Dewetting Study](#)

Austine Amukayia Mulama, Konstantinos Roumpos, Pradipkanti Lairenjam, Andrew Oduor, Günter Reiter. *Macromolecules* 53 (2020) 9122–9130

[Dewetting-Induced Alignment and Ordering of Cylindrical Mesophases in Thin Block Copolymer Films](#)

Heng Zhang, Binghua Wang, Gang Wang, Changyu Shen, Jingbo Chen, Günter Reiter, Bin Zhang. *Macromolecules* 53, (2020) 9631–9640

[Estimation of the Size of Critical Secondary Nuclei of Melt-Grown Poly\(l-lactide\) Lamellar Crystals](#)

Shujing Zhang, Baohua Guo, Günter Reiter, Jun Xu. *Macromolecules* 53 (2020) 3482–3492

[Translating molecular relaxations in non-equilibrated polymer melts into lifting macroscopic loads](#)

Farzad Ramezani, Jörg Baschnagel, and Günter Reiter. *Phys. Rev. Materials* 4 (2020) 082601

[The memorizing capacity of polymers](#)

Günter Reiter. *J. Chem. Phys.* 152, 150901 (2020)

[Formation of asymmetric leaf-shaped crystals in ultrathin films of oriented polyethylene molecules resulting from high-temperature relaxation and recrystallization](#)

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[Following isothermal and non-isothermal crystallization of poly\(3-hexylthiophene\) thin films by UV-vis spectroscopy](#)

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Sumit Majumder, Purushottam Poudel, Hui Zhang, Jun Xu, Günter Reiter. *Polymer International* 69 (2020) 1058

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[Controlling Nucleation in Quasi-Two-Dimensional Langmuir Poly\(L-lactide\) Films through Variation of the Rate of Compression](#)

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[Dewetting Rheology for Determining Viscoelastic Properties of Non-equilibrated Thin Polymer Films](#)

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Sivasurender Chandran, Günter Reiter. *ACS Macro Letters*, 8, 646, (2019)
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- [Determination of the Critical Size of Secondary Nuclei on the Lateral Growth Front of Lamellar Polymer Crystals](#)  
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- [A Nucleation Mechanism Leading to Stacking of Lamellar Crystals in Polymer Thin Films](#)  
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- [Self-Interference of Exciton Emission in Organic Single Crystals Visualized by Energy-Momentum Spectroscopy](#)  
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### Formation of Periodically Modulated Polymer Crystals

Purushottam Poudel, Sumit Majumder, Sivasurender Chandran, Hui Zhang, Günter Reiter. *Macromolecules* 51 (2018) 6119–6126

### Generating Nanoscopic Patterns in Conductivity Within a Poly(3-hexylthiophene) Crystal Via Bias-controlled Scanning Probe Nanolithography

Binghua Wang, Bin Zhang, Changyu Shen, Jingbo Chen, Günter Reiter. *Macromolecules* 51 (2018) 7692–7698

### Systematic Control of Self-Seeding Crystallization Patterns of Poly(ethylene oxide) in Thin Films

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### Tuning relaxation dynamics and mechanical properties of polymer films of identical thickness

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### Thermodynamic origin of multi-layer structures in Langmuir polymer films

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### Structure Formation in Langmuir Peptide Films As Revealed from Coarse-Grained Molecular Dynamics Simulations

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### Signatures of Melting and Recrystallization of a Bulky Substituted Poly(thiophene) Identified by Optical Spectroscopy

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