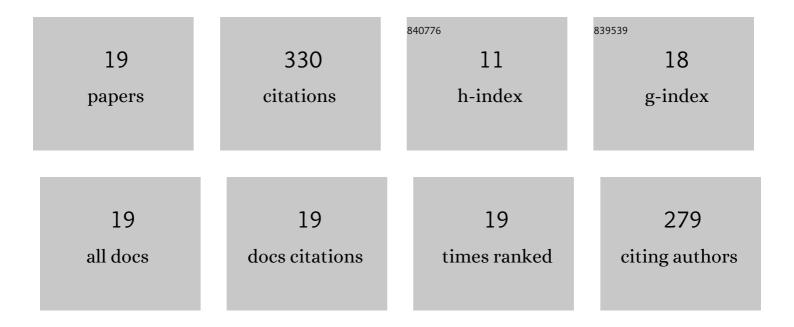
Elmar Pöselt

List of Publications by Year in descending order

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FIMAD DÃOSFIT

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Wideâ€Angle Scattering Halo Analysis and the Evolution of Oriented Amorphous Structure after Elongation Jumps in Some Elastomers. Macromolecular Chemistry and Physics, 2022, 223, . | 2.2 | 2 |
| 2 | Structure transition of aliphatic m,6-Polyurethane during heating investigated using in-situ WAXS, SAXS, and FTIR. Polymer, 2022, 254, 125072. | 3.8 | 10 |
| 3 | <scp>SSA</scp> fractionation of thermoplastic polyurethanes. Polymer Crystallization, 2021, 4, . | 0.8 | 6 |
| 4 | Melting behavior of polymorphic MDI/BD-block TPU investigated by using in-situ SAXS/WAXS and FTIR techniques. Hydrogen bonding formation causing the inhomogeneous melt. Polymer Testing, 2021, 96, 107065. | 4.8 | 13 |
| 5 | Polymorphic microstructure of MDI/BD-block polyurethane as determined by temperature-sensitive conformation variation. Soft Matter, 2021, 17, 9447-9456. | 2.7 | 4 |
| 6 | Shortâ€Term Morphology Relaxation of Thermoplastic Polyurethane Elastomers after Fast Strain Steps. Macromolecular Materials and Engineering, 2020, 305, 2000386. | 3.6 | 3 |
| 7 | Effects and limits of highly efficient nucleating agents in thermoplastic polyurethane. Polymer, 2019, 180, 121676. | 3.8 | 15 |
| 8 | Destruction and Reorganization of Physically Cross-Linked Network of Thermoplastic Polyurethane Depending on Its Glass Transition Temperature. ACS Applied Polymer Materials, 2019, 1, 3074-3083. | 4.4 | 17 |
| 9 | Melting, Solidification, and Crystallization of a Thermoplastic Polyurethane as a Function of Hard Segment Content. Macromolecular Chemistry and Physics, 2019, 220, 1900074. | 2.2 | 20 |
| 10 | Scattering of X-rays during melting and solidification of thermoplastic polyurethane. Graphite as nucleating agent and stabilizer of the colloidal melt. Polymer, 2018, 153, 565-573. | 3.8 | 8 |
| 11 | Crystallization of hard segments in MDI/BD-based polyurethanes deformed at elevated temperature and their dependence on the MDI/BD content. European Polymer Journal, 2017, 97, 423-436. | 5.4 | 33 |
| 12 | Thermoplastic polyurethanes with varying hard-segment components. Mechanical performance and a filler-crosslink conversion of hard domains as monitored by SAXS. European Polymer Journal, 2017, 94, 340-353. | 5.4 | 26 |
| 13 | Influence of composition on the isothermal crystallisation of segmented thermoplastic polyurethanes. CrystEngComm, 2017, 19, 4720-4733. | 2.6 | 28 |
| 14 | Structures of Hard Phases in Thermoplastic Polyurethanes. Macromolecules, 2016, 49, 7350-7358. | 4.8 | 36 |
| 15 | Tailoring the Morphology and Melting Points of Segmented Thermoplastic Polyurethanes by Self-Nucleation. Macromolecules, 2016, 49, 7952-7964. | 4.8 | 63 |
| 16 | Nanostructure of thermally aged thermoplastic polyurethane and its evolution under strain. European Polymer Journal, 2016, 81, 569-581. | 5.4 | 17 |
| 17 | Morphological Changes under Strain for Different Thermoplastic Polyurethanes Monitored by SAXS Related to Strain at Break. Macromolecular Chemistry and Physics, 2015, 216, 2318-2330. | 2.2 | 17 |
| 18 | Quasiperiodicity and the nanoscopic morphology of some polyurethanes. Journal of Applied Crystallography, 2015, 48, 313-317. | 4.5 | 11 |

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Melting and solidification of thermoplastic polyurethanes as a function of nucleating agents. Nano Select, 0, , . | 3.7 | 1 |