

List of publications (Januar 2024)

1988 - 1990

1. H. Komber, G. Großmann, A. Kretschmer

 ^1H -, ^{13}C - und ^{31}P -NMR-spektroskopische Untersuchungen an Bis(dialkoxythio-phosphoryl)- und -
(dialkoxyphosphoryl)-sulfanen und -polysulfanen

Phosphorus and Sulfur **35**, 335 - 343 (1988)
2. H. Komber, G. Großmann

Bestimmung des Vorzeichens der Hyperfeinstruktur-Kopplungskonstante a_{P} in Dialkoxy-
dithiophosphoryl-Radikalen mittels ^{31}P - und ^{13}C -CIDNP

Zeitschrift für Chemie **29**, 24 - 25 (1989)
3. G. Großmann, H. Komber, H. Kroschwitz, D. G. Pobedimskii, N. A. Mukmeneva

NMR-spektroskopische und polarographische Untersuchung der Zersetzungsreaktion von
Cumylhydroperoxid durch Dithiophosphorsäuren (russ.)

Isv. Akad. Nauk SSSR, Ser. Khim. **1989**, 34 - 41
4. H. Komber, F. Böhme, D. Pospiech, M. Rätzsch

 ^{13}C NMR analysis of poly(m-phenylene terephthalate - *co* - oxybenzoate)s: main-chain and
end-group resonance assignments and sequence distribution

Makromolekulare Chemie **191**, 2675 - 2684 (1990) DOI: [10.1002/macp.1990.021911116](https://doi.org/10.1002/macp.1990.021911116)

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5. H. Komber, G. Großmann, A. Petr, D. G. Pobedimskii

 ^{31}P -CIDNP Investigations of the Reaction of O,O-Dialkyl Dithiophosphoric Acid with Cumyl
Hydroperoxide

Polymer Degradation and Stability **32**, 249 - 259 (1991)
6. G. Großmann, H. Komber

NMR Investigations on diastereomeric mixtures of bis(dialkoxythiophosphoryl)sulfanes and -
polysulfanes containing *sec.* butoxy groups.
Assignment of ^{31}P , ^{13}C and ^1H NMR signals in a mixture of seven diastereomers using shift-
correlated 2D NMR spectra

Phosphorus, Sulfur, and Silicon **61**, 269 - 281 (1991)

7. H. Komber, L. Jakisch, S. Zschoche, H. Möbus, M. Rätzsch, D. Scheller

The stereochemistry of the succinimide unit in alkene/N-methylmaleimide copolymers investigated by ^{15}N NMR spectroscopy

Makromol. Chemie, Rapid Communications **12**, 547 - 552 (1991)
8. G. Pompe, E. Meyer, H. Komber, H. Hamann

Influence of PBT crystallization on miscibility degree of amorphous phase in PC/PBT melt blends

Thermochimica Acta **187**, 185 - 200 (1991)
9. W. A. Herrmann, W. Wagner, U. N. Flessner, U. Volkhardt, H. Komber

Methyltrioxorhenium als Katalysator für die Olefin-Metathese

Angewandte Chemie **103**, 1704 - 1706 (1991)
Angewandte Chemie, Int. Ed. Engl. **30**, 1636 - 1638 (1991)
10. H. Komber, V. Steinert, S. Zschoche, M. Rätzsch, G. Großmann

NMR Spectroscopic Characterization of Maleic Anhydride - α -Methylstyrene Adducts

Magnetic Resonance in Chemistry **30**, 207 - 215 (1992)
11. G. Großmann, B. Schwab, A. John, H. Komber, G. Jeschke, J. Sieler

Crystal structure, solid state NMR, and quantum chemical model calculations of bis-(diethoxythiophosphoryl)-trisulfane

Phosphorus, Sulfur, and Silicon, **78**, 297 - 308 (1993)
12. G. Großmann, H. Komber

NMR Investigations on Diastereomeric Mixtures of Bis(Dialkoxylphosphoryl) Sulfanes and Polysulfanes

Main Group Chemistry News, **1**, 6 - 15 (1993)
13. S. Bauer, W. Ren, S. Yilmaz, W. Wirges, W.-D. Molzow, R. Gerhard-Multhaupt, U. Oertel, B. Hänel, L. Häußler, H. Komber, K. Lunkwitz

Nonlinear optical side-chain polymer with high thermal stability and its pyroelectric thermal analysis

Appl. Phys. Lett., **63**, 2018 - 2020 (1993)

14. M. Rillich, H. Komber, F. Böhme

Polymers containing formamidine groups
1. Synthesis and characterization of aliphatic polyformamidines

Polym. Bull., **31**, 381 -385 (1993)

15. H. Komber, G. Großmann

A conformational study of bis(5,5-dimethyl-2-X-1,3,2-dioxaphosphorinan-2-yl) sulfanes and polysulfanes using NMR and IR spectroscopy

Phosphorus, Sulfur, and Silicon, **83**, 233 - 242 (1993)

16. R. Gerhard-Multhaupt, S. Bauer, W.-D. Molzow, W. Ren, W. Wirges, S. Yilmaz, U. Oertel, L. Häußler, H. Komber, K. Lunkwitz

Electro-optical and pyroelectrical thermal analysis of novel nonlinear optical side-chain polymers with high thermal stability

Proc. SPIE, Band 2042, 384 - 391 (1993)

17. D. Pospiech, H. Komber, D. Voigt, L. Häußler, E. Meyer, G. Schauer, D. Jehnichen, F. Böhme

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18. F. Böhme, H. Komber, D. Leistner, M. Rätzsch

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19. M. Rillich, L. Häußler, H. Komber, F. Wittig, F. Böhme

Polymers containing formamidine groups
2. Synthesis of polyformamidines derived from triethyl orthoformate and aromatic diamines

Polymer Bulletin, **33**, 397 -404 (1994)

20. M. J. Potrzebowski, G. Großmann, J. Blaszczyk, M. W. Wieczorek, J. Sieler, P. Knopik, H. Komber

X-Ray and Solid State NMR Studies of Bis(5,5-dimethyl-2-thioxo-1,3,2-dioxaphosphorinan-2-yl) Disulfide and Diselenide

Inorg. Chem. **33**, 4688 - 4695 (1994)

21. H. Komber
The ^1H and ^{13}C NMR spectra of alternating ethene-maleic anhydride copolymer and the corresponding diacid and sodium salt
Macromol. Chem. Phys., **196**, 669 - 678 (1995)
22. M. Gedan-Smolka, D. Jehnichen, H. Komber, D. Voigt, F. Böhme, M. Rätzsch
Fully aromatic copoly(ester-imide)s with high thermal stability
Angew. Makromol. Chem., **229**, 159 -174 (1995)
23. M. Rillich, D. Jehnichen, H. Komber, F. Böhme
Polymers containing formamidine groups
4. Copolyformamidines prepared from triethyl orthoformate, benzidine and various diamines
Macromol. Chem. Phys., **196**, 1635 - 1644 (1995)
24. F. Böhme, M. Rillich, H. Komber
Polymers containing formamidine groups
5. Formation of a cyclic formamidine trimer by the condensation reaction of 2,6-diaminopyridine with triethyl orthoformate
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The ^1H and ^{13}C NMR spectra of alternating isobutene/maleic anhydride copolymer and the corresponding acid and sodium salt - a stereochemical analysis
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29. S. Reinhardt, H. Komber, V. Steinert
Investigations on the dissociation behaviour of hydrolyzed alternating copolymers of maleic anhydride and alkenes - ^{13}C NMR spectra and potentiometric titrations
J. Polym. Sci., Chem. Ed., **34** (12), 2415 - 2419 (1996)
30. D. Pospiech, L. Häußler, H. Komber, D. Voigt, D. Jehnichen, A. Janke, A. Baier, K. Eckstein, F. Böhme
LC multiblock copolymers containing polysulfone segments: 1. Synthesis and morphology
J. Appl. Polymer Sci, **62** (11), 1819 - 1833 (1996)
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32. M. Gedan-Smolka, D. Lehmann, S. Cetin, H. Komber
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Macromolecules, 30 (25) 8066 - 8068 (1997)
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The use of melt polycondensation for synthesis of LC multiblock copolymers
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Unsaturated 2-oxazoline modification of polyethylene containing carboxylic groups
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46. T. Huber, F. Böhme, H. Komber, J. Kronek, J. Luston, D. Voigt, B. Voit
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Conversion dependence of the structural units and the degree of branching of a hyperbranched polyester based on 4,4-bis-(4'-hydroxyphenyl)pentanoic acid determined by NMR spectroscopy
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