

423. D. Wöhrle. „Ethik von Chemie im Anthropozän - Moral, Verantwortung, Nachhaltigkeit“, Chemie in Unserer Zeit, 2021, eingereicht.
422. D. Wöhrle, „Illegale Drogen - Wie Chemie missbraucht werden kann“, Chemie in Unserer Zeit, angenommen.
421. D. Wöhrle. „Erneuerbare Energien und nachhaltige Rohstoffe - Klimaschonende Technologien auf der Basis von Wasserstoff und Kohlenstoffdioxid“, Chemie in Unserer Zeit, im Druck.
420. D. Steinebrunner, G. Schnurpfeil, H. Doebler, J. Burgos, D. Wöhrle, A. Wittstock, „A versatile heterogeneous photocatalyst: nanoporous gold powder modified with a zinc(II) phthalocyanine derivative for singlet oxygen [4+2] cycloadditions“, Photochem. Photobiol. Sci. 2021, 20, 547-558.
419. S. G. Makarov, G. Schnurpfeil, S. Yu. Ketkov, D. Wöhrle, „ π -Electron delocalization and electronic transitions in oligomeric and polymeric phthalocyanine zinc(II) complexes. Part 2. Non-linear oligo- and two-dimensional polyphthalocyanines“, J. Porphyrins Phthalocyanines 2021, 25, 236–246.
418. D. Steinebrunner, G. Schnurpfeil, J. Thayssen, J. Burgos, A. Wichmann, D. Wöhrle, A. Wittstock, „Comparison of the photocatalytic activity of novel hybrid photocatalysts based on phthalocyanines, subphthalocyanines and porphyrins immobilized onto nanoporous gold“, RSC Adv., 2021, 11, 11364-11372.
417. D. Wöhrle, „Ammoniumnitrat – Auf der einen Seite ein gefährlicher Sprengstoff, aber auf der anderen Seite ein wichtiges Düngemittel“, CHEMKON, 2020, 27, 347-348.
416. D. Steinebrunner, G. Schnurpfeil, M. Kohröde, A. Epp, K. Klangnog, J. Burgos, A. Wichmann, D. Wöhrle, A. Wittstock, „Impact of photosensitizer orientation on the distance dependent photocatalytic activity in zinc phthalocyanine–nanoporous gold hybrid systems“, RSC Adv., 2020, 23203-23210.
415. S. G. Makarov, S. Yu. Ketkov, D. Wöhrle, „A binuclear cobalt phthalocyanine as a highly efficient catalyst for the oxidation of a mercaptan“, Chem. Commun., 2020, 56, 5653–5656.
414. D. Wöhrle, „Die Rolle von Kohlenstoffdioxid und die Bedeutung der Klimagase – Kohlenstoffkreislauf und Klimawandel“, Chemie in Unserer Zeit 2021, 55 112-124.
413. D. Steinebrunner, G. Schnurpfeil, D. Wöhrle, A. Wittstock, „Photocatalytic coatings based on a zinc(II)phthalocyanine derivative immobilized on nanoporous gold leaves with various pore sizes“, RSC Adv., 2020, 10, 53-59.
412. S. G. Makarov, G. Schnurpfeil, S. Yu. Ketkov, D. Wöhrle, " π -Electron delocalization and electronic transitions in oligomeric and polymeric phthalocyanine zinc(II) complexes. Part 1, Linear oligo- and one-dimensional polyphthalocyanines", J. Porphyrins Phthalocyanines 2020, 24, 515-527.
411. D. Steinebrunner, G. Schnurpfeil, A. Wichmann, D. Wöhrle, A. Wittstock, " Synergistic Effect in Zinc Phthalocyanine—Nanoporous Gold Hybrid Materials for Enhanced Photocatalytic Oxidations ", Catalysts 2019, 9, 555; doi:10.3390/catal9060555 .
410. D. Wöhrle, H. Wöhrle, „ Rechner: Der Weg vom Altertum bis in die heutige Zeit unter Berücksichtigung der verwendeten Materialien, Chemie in Unserer Zeit, 2020, 54, 220-233.

409. D. Wöhrle, J. Altmann, K. Nixdorff, U. Bernhardt, I. Ruhmann "Naturwissenschaft - Rüstung - Frieden. Basiswissen für die Friedensforschung", Springer Verlag VS, 2017, 573 Seiten.
408. G. Makarov, G. Schnurpfeil, E. A. Rychagova, S. Yu. Ketkov, O. N. Suvorova, D. Wöhrle, "Singlet oxygen quantum yields and photostability of planar binuclear phthalocyanines", *J. Porphyrins Phthalocyanines*, 2017, 21, 844-829.
407. A. Slodek, G. Schnurpfeil, D. Wöhrle, "Optical limiting of germanium(IV) and tin(IV) phthalocyanines in solution and polymer matrices and comparison to an indium(III) phthalocyanine", *J. Porphyrins Phthalocyanines*, 2017, 21, 811-829
406. D. Wöhrle, "Kunststoffe: Wichtige Werkstoff in unserer Zeit", *Chemie in Unserer Zeit* 2019,53, 50-64.
405. D. Wöhrle, "Kampf- und Explosivstoffe". *Chemie in Unserer Zeit*, 2016, 50, 369.
404. S. G. Makarov, A. S. Kazarin, O. N. Suvorova, G. S. Zabrodina, M. A. Lopatin, O. V. Kuznetsova, S. Yu. Ketkov, D. Wöhrle, "Unsymmetrically substituted phthalocyanine carboxylic acids", *Macroheterocycles*, 2016, 9, 180-185.
403. D. Wöhrle, "Photonen, Licht, Stoff- und Energieumwandlungen. Was Licht bewirken kann" Teil 2, *Chemie in Unserer Zeit*, 2016, 50, 244-259.
402. D. Wöhrle, "Photonen, Licht, Stoff- und Energieumwandlungen. Was ist Licht?" Teil 1, *Chemie in Unserer Zeit*, 2015, 49, 386-401.
401. D. Wöhrle, "Rolle und Bedeutung der Chemie im, Chemie Terrorismus - Bedrohung durch den Islamischen Staat (IS)?", *Chemie in Unserer Zeit*, 2015, 49, 137-138.
400. D. Wöhrle, "Rolle und Bedeutung der Chemie im Terrorismus", *Chemie in Unserer Zeit*, 2014, 48, 376-395.
399. S.G. Makarov, A.S. Kazarin, O.N. Suvorova, S.Y. Ketkov, M.A. Lopatin, D. Wöhrle, "Ionic Interactions between Charged Phthalocyanine and Fullerene Derivatives", *Macroheterocycles* 2014, 7, 145-152
398. A. Wichmann, A. Wittstock, G. Schnurpfeil, J. Backenköhler, L. Kolke, V. A. Azov, D. Wöhrle, M. Bäumer, "Synthesis of Organic Functional Groups for Modification of Nanoporous Gold Systems: Application in Electrochemistry, Sensors, and Photocatalysis", *For submission to Tetrahedron*, 2014. 70, 6127-6133.
397. V. Mantareva, A. Kril, I. Angelov, D. Wöhrle, L. Avramov, "Influence of specific light pretreatment on the selective phototoxicity of galactopyranosyl Zn(II) phthalocyanine", *J. Porphyrins Phthalocyanines*, 2013, 17, 529-539.
396. D. Wöhrle, O. Tsaryova, A. Semioshkin, D. Gabel, O. Suvorova, "Synthesis and photochemical properties of phthalocyanine zinc(II) complexes containing o-carborane units", *J. Organomet. Chem.* 2013, 747, 98-105.
395. V. Mantareva, I. Angelov, D. Wöhrle, E. Borisova, V. Kussovski, "Metallophthalocyanines for antimicrobial photodynamic therapy: An overview of our experience". *J. Porphyrins Phthalocyanines*, 2013, 17, 399-416.
394. Mantareva V, Angelov I, Kussovski V, Wöhrle D, Dimitrov S. *Compt. Rend. Acad. Bulg. Sci.* 2010; 63(1): 77-84.
393. D. Wöhrle, G. Schnurpfeil, S. Makarov, A. Kazarin and Olga Suvorova, "Practical applications of phthalocyanines – From dyes and pigments to materials for optical, electronic and photo-electronic devices", *Macroheterocycles*, 2012, 5, 191-202.
392. D. Wöhrle, R.O. Hild, Labor&More, "Organische Solarzellen", 2012, 3, 82-85.

391. W. G. Menezes, V. Zielasek,* G. I. Dzhardimalieva, S. I. Svetlana Pomogailo, K. Thiel, D. Wöhrle, A. Hartwig, M. Bäumer, „Synthesis of stable AuAg bimetallic nanoparticles encapsulated by diblock copolymer micelles“, *Nanotechnology*, 2012, 4, 1658-1664.
390. T. Yoshida, J. Zhang, D. Komatsu, S. Sawatani, H. Minoura, T. Paiporte, D. Lincot, T. Oehermann, L. Petre, D. Schlettwein, H. Tada, D. Wöhrle, K. Funabiki, M. Matsui, H. Miura, H. Yanagi, *Adv. Func. Mater.* 2009, 19, 17-43.
389. S. Makarov, O. Suvorova, D. Wöhrle, „Conjugated di- and trinuclear phthalocyanines and their analogues“, *J. Porphyrins Phthalocyanines* 2011, 15, 791-808.
388. D. Wöhrle, G. Schnurpfeil, S. Makarov, O. Suvorova, „Phthalocyanine – Von Farbstoffen zu Materialien für Optik und Photoelektronik“, *Chemie in Unserer Zeit* 2012, 46, 12-24.
387. V. Mantareva, I. Angelov, V. Kussovski, R. Dimitrov, L. Lapok, D. Wöhrle, „Photodynamic efficiency of water-soluble Si(IV) and Ge(IV) phthalocyanines towards *Candida albicans* planktonic and biofilm cultures“, *European Journal of Medicinal Chemistry* 2011, 46, 4430-4440.
386. D. Wöhrle, W. Thiemann, „Der Chemiker Fritz Haber; Anerkannte Wissenschaft und Etablierung eines Massenvernichtungsmittels“, *Wissenschaft und Frieden* 2011, Heft 1, 45-49.
385. O.N. Suvorova, D. Wöhrle, E.A. Shupak, A.I. Kirillov, T.I. Lopatina, G.S. Zabrodina, „Intercalation of Tetrakis(4-(3-propanesulfonic acid)pyridinium)porphyrins into V₂O₅nH₂O“, *Makroheterocycles* 2011, vol. 3, 134-138.
384. K.N. Maksimova, N.L. Bazyakina, O.N. Suvorova, D. Wöhrle, „Europium monophthalocyanine complex with glycine“, *Russ. J. Gen. Chem.* 2010, 80, 553-554.
383. D. Wöhrle, O.R. Hild, G. Schnurpfeil, „Solarzellen-Markt im Umbruch“, *Impulse aus der Forschung, Universität Bremen*, 2010, 1, 14-17.
382. S. G. Makarov, O. N. Suvorova, G. Schnurpfeil, Wöhrle; „Synthesis of a Binuclear Naphthalocyanine Analogue with Absorption in the NIR“, *Eur. J. Inorg. Chem.* 2010, 4617-4621
381. D. Wöhrle, O.R. Hild, „Organische Solarzellen“, *Chemie in unserer Zeit* 2010, 44, 174-189.
380. L. apok, G. Schnurpfeil, R. Gerdes, S.M. Gorun, O. Suvorova, G. Kudryavtseva, D. Wöhrle, „Synthesis of charged triazatetrabenzcorroles, phthalocyanines and tetrapyrrolylporphyrin, and their activities in the co-sensitized photooxidation of 2-mercaptoethanol“, *J. Porphyrins Phthalocyanines* 2009, 13, 346-357.
379. M. Pfeiffer, A. Beyer, B. Plönnings, A. Nollua, T. Fritz, K. Leo, D. Schlettwein, T. Fritz, D. Wöhrle, „Controlled doping of pigment layers by cosublimation: Basic mechanisms and implications for their use in organic photovoltaic cells“, *Solar Energy Materials & Solar Cells* 2000, 63, 83-99.
378. V. Mantareva, V. Kussovski, I. Angelov, D. Wöhrle, G. Schnurpfeil, I. Popova, S. Dimitrov, „Gallium(III) methylpyridyloxy- phthalocyanines: non-aggregated, water soluble photodynamic sensitizer against dental pathogens“, *Photochem. Photobiol. Sci.* 2011, 10, 91-102.
377. D. Wöhrle, „Fritz Haber und Clara Immerwahr – Hoffnung, Erfolg und Tragik im gesellschaftspolitischen Umfeld“, *Chemie in unserer Zeit*, 2010, 44, 30-39.

376. K. Nonomura, T. Loewenstein, E. Michaelis, P. Kunze, J. Reemtz, M. Wark, J. Rathousky, K. AlShamery, A. Kittel, J. Parisi, D. Wöhrle, T. Yoshida, D. Schlettwein, "Nanoparticulate-dye-semiconductor hybrid materials formed by electrochemical self assembly as electrodes in photoelectrochemical cells", *Z. Naturforsch.* 2009, 518-530.
375. V. Kussovski, V. Mantareva, I. Angelov, P. Orozova, D. Wöhrle, G. Schnurpfeil, E. Borisova, L. Avramov, "Photodynamic inactivation of *Aeromonas hydrophila* by cationic phthalocyanines with different hydrophobicity", *FEMS Microbiol. Lett.* 2009, 294, 133-140.
374. L. Lapok, C. G. Claessens, D. Wöhrle, T. Torres, "Synthesis of water-soluble subphthalocyanines", *Tetrahedron Letters*, 2009, 50, 2041-2044.
373. L. Lapok, G. Schnurpfeil, R. Gerdes, S. M. Gorun, O. Suvorova, Dieter Wöhrle, "Synthesis of charged triazatetrabenzcorroles, phthalocyanines and tetrapyridylporphyrin, and their activities in the co-sensitized photooxydation of 2-mercaptoethanol", *J. Porphyrins Phthalocyanines* 2009, 13, 346-357.
372. C. Keil, O. Tsaryova, L. Lapok, C. Himcinschi, D. Wöhrle, O. R. Hild, D. R. T. Zahn, S. M. Gorun, D. Schlettwein, "Growth and characterization of thin films prepared from perfluoro-isopropyl-substituted perfluorophthalocyanines, a new class of organic molecular semiconductors", *Thin Solid Films* 2009, 517, 4379-4384.
371. R. Gerdes, L. Lapok, O. Tsaryova, D. Wöhrle, S. M. Gorun, "Rational Design of a Stable yet Reactive Phthalocyanine Photocatalyst", *Dalton Trans.* 2009, 1098-1100.
370. D. Wöhrle, M. Kaneko, K. Nagai, R. Gerdes, O. Suvorova, „Environmental Cleaning by Molecular Photocatalysts" (in: *Molecular Catalysts for Energy Conversion*, Eds. T. Okada, M. Kaneko), Springer Series in Materials Science, 2008, pp. 263-298.
369. V. Kutureva, N. Baziakina, K. Maximova, V. Morozova, G. Schnurpfeil, D. Wöhrle, O. Suvorova, "Synthesis of new side-chain phthalocyanine methacrylate monomers for ophthalmosurgery in ophthalmology", *J. Porphyrins Phthalocyanines* 2008, 12, 832-838.
368. C. Litwinski, E. A. Ermilov, S. Tannert, D. Fix, B. Röder, I. Corral, L. González, S. Makarov, O. Suvorova, D. Wöhrle, "Annulated dinuclear metal-free and Zn(II)-phthalocyanines: photophysical and quantum-mechanical studies", *J. Phys. Chem. B*, 2008, 112, 8466-8476
367. H. Brinkmann, C. Kelting, S. Makarov, O. Tsaryova, G. Schnurpfeil, D. Wöhrle, D. Schlettwein, „Fluorinated phthalocyanines as molecular semiconductor thin films for organic field effect transistors", *Phys. Status Solidi*, 2008, 205, 409-420.
366. D. Wöhrle, G. Schulz-Ekloff, C. Bräuchle, F. Laeri, „Nanoporous networks of Si-, Al-, P-oxygen tetrahedra with encapsulated dyes as new composite materials", *Macromol. Symp.*, 2008, 270, 123-134.
365. T. Mayer, U. Weiler, E. Mankel, W. Jaegermann, C. Kelting, D. Schlettwein, N. Baziakina, D. Wöhrle, „Organic-inorganic hybrid composites for photovoltaics: Organic guest molecules embedded in $\mu\text{c-Si}$ and ZnSe host matrices", *Renewable Energy* 2007, 33, 262-266.
364. T. Mayer, U. Weiler, C. Kelting, D. Schlettwein, S. Makarov, D. Wöhrle, O. Abdallah, M. Kunst, and W. Jaegermann, „Silicon-organic pigment material hybrids for photovoltaic application", *Solar Energy Materials and Solar Cells* 2007, 91, 1873-1886.

363. V.N. Mantareva, V. Kussovski, I.P. Angelov, E. Borisova, L. Avramov, G. Schnurpfeil and D. Wöhrle, "Efficacy of microbial photoinactivation by cationic and anionic phthalocyanine zinc(II) complexes in dependence on the light fluence rate, cell density and drug uptake", *Bioorganic & Medicinal Chemistry*, 2007, 15, 4829-4835.
362. C. Jung, C. Hellriegel, J. Michaelis, C. Bräuchle, D. Wöhrle, B. Platschek, T. Bein, „Simultaneous measurements of orientational and spectral dynamics of single molecules in nano-structured host-guest materials“, *J. Amer. Chem. Soc.* 2007, 129, 5570-5579.
361. V.V. Berezonovskii, D. Wöhrle, O. Tsaryova, S.G. Makarov, S.I. Pomogailo, Z.I. Zhilina, I.S. Voloshanovskii, A.D. Pomogailo, "Synthesis and reactivity of metal containing monomers 63. Synthesis, structure and polymerization transformations and catalytic properties of vinylporphyrin complexes of palladium and cobalt", *Russ. Chem. Bull., Internat. Ed.* 2007, 56, 1-8 (*Izv. Akad. Nauk. Ser. Khimiches.* 2007, 152-158).
360. U. Weiler, K. Schwanitz, C. Kelting, D. Schlettwein, D. Wöhrle, T. Mayer, W. Jaegermann, „Phthalocyanines incorporated into hot wire-CVD grown silicon“, *Thin Solid Films* 2006, 511-512, 172-176.
359. G. Kelting, U. Weiler, T. Mayer, W. Jaegermann, S. Makarov, D. Wöhrle, O. Abdallah, M. Kunst, D. Schlettwein, „Sensitization of thin-film silicon by a phthalocyanine as strong organic absorber“, *Organic Electronics* 2006, 7, 363-368.
358. S.G. Makarov, K.N. Maksimova, E.V. Baranov, G.K. Fukin, O.N. Suvorova, D. Wöhrle, G.A. Domrachev, "Synthesis and electronic spectra of dimeric phthalocyanines", *Russ. Chem. Bull.* 2006, 55, 1748-1756.
357. O.N. Suvorova, D. Wöhrle, N.L. Baziakina, V.V. Kutyreva, S.G. Makarov, E.A. Shchupak, "Reactions of ferrocene with phthalonitrile on the surface of oxide powders", *Russ. J. General Chem.* 2006, 76, 684-688.
356. S. Makarov, O. Suvorova, C. Litwinski, B. Roeder, C. Dülcks, D. Wöhrle, "Linear and rectangular trinuclear phthalocyanines", *Eur. J. Inorg. Chem.* 2007, 546-552.
355. S.G. Makarov, A.V. Piskunov, Suvorova, G. Schnurpfeil, G.A. Domrachev, D. Wöhrle, "Near-infrared-absorbing ligand-oxidized dinuclear phthalocyanines", *Chem. Eur. J.* 2007, 13, 3227-3233.
354. C. Kelting, W. Michaelis, A. Hirth, D. Wöhrle, D. Schlettwein, „Thin insulating polymer films as dielectric layers for phthalocyanine-based organic field effect transistors“, *J. Porphyrins Phthalocyanines* 2006, 10, 1179-1189.
353. K. Nonomura, L. Loewenstein, E. Michaelis, D. Wöhrle, T. Yoshida, H. Minoura, D. Schlettwein, "Photoelectrochemical characterisation and optimisation of electrodeposited ZnO thin films sensitized by porphyrins and phthalocyanines", *Phys. Chem. Chem. Phys.* 2006, 8, 3867-3875.
352. Yu.M. Sultanov, D. Wöhrle, A.A. Efendiev, "Metal polymer complex catalysts on the base of polyethyleneimine for the oxidation of sulfides", *J. Mol. Catal. A: Chem.* 2006, 258, 77-82.
351. A. Semioshkin, O. Tsaryova, O. Zhidkova, V. Bregadze, D. Wöhrle, "Reactions of oxonium derivatives of [B12H12]²⁻ with phenols, and synthesis and properties of a phthalocyanine containing four [B12H12]²⁻ groups", *J. Porphyrins Phthalocyanines*, 2006, 10, 1293-1300.
350. D. Wöhrle, "Macromolecular Metal Complexes: Materials for Various Applications", *Angew. Chem. Int. Ed.*, 2005, 44, 7500-7502; *Angew. Chem.* 2005, 117, 7668-7650.

349. T. Loewenstein, K. Nonomura, T. Yoshida, E. Michaelis, D. Wöhrle, J. Rathousky, M. Wark, D. Schlettwein, "Efficient sensitization of electrodeposited zinc oxide by cis-bis(isothiocyanato)bis(2,2'-bipyridyl-4,4'-dicarboxylato)-ruthenium(II)", *J. Electrochem. Soc.*, 2006, 153, A669-A704.
348. H. Shinohara, O. Tsaryova, G. Schnurpfeil, D. Wöhrle, "Differently Substituted Phthalocyanines as Catalysts for the Oxidation of 2-Mercaptoethanol and Photocatalysts for the Photooxidation of Citronellol", *J. Photochem. Photobiol. A: Chem.* 2006, 184, 50-57.
347. A. Slodek, D. Wöhrle, J. Doyle, W. Blau, "Metal Complexes of Phthalocyanines in Polymers as Suitable Materials for Optical Limiting", *Macromol. Symp.*, 2006, 235, 9-18.
346. M. Kaneko, H. Ueno, S. Masuda, K. Suzuki, H. Okimi, M. Hoshino, L. Lapok, D. Wöhrle, "Mechanism of photoinduced electron transfer from water soluble phthalocyanines and porphyrin to viologens interacting electrostatically", *J. Porphyrins Phthalocyanines*, 2005, 9, 667-680.
345. S. Makarov, C. Litwinski, E. Ermilov, O. Suvorova, B. Röder, D. Wöhrle, "Synthesis and Photophysical Properties of Annulated Dinuclear and Trinuclear Phthalocyanines", *Eur J. Chem.*, 2006, 12, 1468-1474.
344. U. Weiler, T. Mayer, W. Jaegermann, C. Kelting, D. Schlettwein, S. Makarov, D. Wöhrle, "Electronic Energy Levels of Organic Dyes on Silicon: A Photoelectron Spectroscopy Study of ZnPc, F16ZnPc, and ZnTPP on p-Si(111):H", *J. Phys. Chem. B*, 2004, 108, 19398-19403.
343. E. Michaelis, D. Wöhrle, J. Rathousky, M. Wark, "Electrodeposition of porous zinc oxide electrodes in the presence of laurylsulfate", *Thin Solid Films*, 2006, 497, 163-169.
342. A. Hartwig, T.M. Mahato, T. Kaese, D. Wöhrle, "Preparation and properties of cholesteric network polymers based on liquid crystalline epoxides", *Macromol. Chem. Phys.* 2005, 206, 1718-1730.
341. H. Shinohara, H. Shibata; D. Wöhrle, H. Nishide, "Reversible oxygen-binding to polymeric cobalt tetraazaporphyrin complex and facilitated transport through a membrane", *Macromol. Rapid. Commun.*, 2005, 26, 467-470.
340. T. Kaese, D. Wöhrle, A. Hartwig, G. Schnurpfeil, "Synthesis of dialkenes and diepoxides and the influence of their structural parameters on the liquid crystalline properties", *Liq. Cryst.* 2005, 32, 921-931.
339. O. Tsaryova, A. Semioskin, D. Wöhrle, V. Bregadze, "Synthesis of new carborane-based phthalocyanines and study of their activities in the photooxidation of citronellol, *J. Porphyrins Phthalocyanines*, 2005. 9, 268-274.
338. H. Yanagi, M. Kawagishi, D. Schlettwein, D. Wöhrle, "Molecularly modified organic semiconducting properties of phthalocyanine derivatives", *J. Soc. Mater. Sci. Jap.* 2003, 52, 1410-1413.
337. C.C. Mattheus, W. Michaelis, C. Kelting, W. Durfee, D. Wöhrle, D. Schlettwein, "Influence of the molecular shape on the film growth of a substituted phthalocyanine", *Synthetic Metals*, 2004, 146, 335-339.
336. V. Mantareva, D. Petrova, L. Apramov, I. Agnelov, E. Borisova, M. Peeva, D. Wöhrle, "Long wavelengths absorbing cationic Zn-phthalocyanines as fluorescent contrast agents for B16 pigmented melanoma", *J. Porphyrins Phthalocyanines*, 2005, 9, 47-54.

335. D. Wöhrle, N. Baziakina, O. Suvorova, S. Makarov, V. Kutereva, E. Schupok, G. Schnurpfeil, "Phthalocyanine coatings on silica and zinc oxide. Synthesis and their activities in the oxidation of sulfide". *J. Porphyrins Phthalocyanines*, 2004, 8, 1390-1401.
334. T. Yoshida, M. Iwaya, D. Komatsu, T. Oekermann, K. Nonomura, D. Schlettwein, D. Wöhrle, H. Minoura, "Improved Photoelectrochemical Performance of Electrodeposited ZnO/Eosin Y Hybrid Thin Films by Dye Re-Adsorption", *Chem. Commun.*, 2004, 400-401.
333. W. Michaelis, D. Wöhrle, D. Schlettwein, „Organic n-channels of substituted phthalocyanine thin films grown on smooth insulator surfaces for OFET applications“, *J. Mater. Res.*, 2004, 19, 2040-2049.
332. T. Oekermann, S. Karuppuchamy, T. Yoshida, D. Schlettwein, D. Wöhrle, H. Minoura, "Electrochemical self-assembly of zinc oxide/perylene-tetracarboxylic acid diimide hybrid photoelectrodes, *J. Electrochem. Soc.*, 2004, 151, C62-C68.
331. O. Bartels, D. Wöhrle, J. Caro, M. Wark, "Immobilization and Photocatalytic Properties of Phthalocyanines Anchored to the Surface of Si-MCM-41 and SBA-15, *Proc. 14th Intern. Zeolite Conf.*, April 2004, Cape Town, South Africa, ISBN 0-598-46636-X, pp. 2884-2892.
330. E. Michaelis, K. Nonomura, D. Schlettwein, T. Yoshida, H. Minoura, D. Wöhrle, "Hybrid Thin Films of ZnO with Porphyrins and Phthalocyanines Prepared by One-Step-Electrodeposition, *J. Porphyrins Phthalocyanines*, 2004, 8, 1366-1375.
329. M. Ganschow, C. Hellriegel, E. Kneuper, M. Wark, C. Thiel, G. Schulz-Ekloff, C. Bräuchle, D. Wöhrle, "Panchromatic Chromophore Mixture in the Molecular Sieve AlPO₄-5: Spatial Separation Effects and Energy Transfer Cascades", *Adv. Funct. Mater.*, 2004, 14, 269-276..
328. M. Kaneko, K. Suzuki, E. Ebel, D. Wöhrle, „Specific Electron Transfer Mechanism from the Photoexcited Tetrasulfonated Zn(II)-Tetraphenylporphyrin to Methylviologen via Self-Assembled Ionic Complex“, *Macromol. Symp.*, 2003, 204, 71-77.
327. D. Wöhrle, A.D. Pomogailo, O. Suvorova, O. Tsaryova, G. Dzardimalieva, N. Baziakina, „Macromolecular Metal Complexes in Nature and Laboratory – A Survey through the field“, *Macromol. Symp.*, 2003, 204, 1-12.
326. D. Wöhrle, O. Suvorova, R. Gerdes, O. Bartels, Ł. Łapok, N. Baziakina, S. Makarov, A. Słodek, "Efficient Oxidations and Photooxidations with Molecular Oxygen using Metal Phthalocyanines as Catalysts and Photocatalysts", *J. Porphyrins Phthalocyanines*, 8, 1020-1041 (2004).
325. D. Wöhrle, R. Gerdes, R. Guter, „Fotokatalytische Abwasseraufbereitung“, *Impulse, Universität Bremen*, 2003, 6-9.
324. A. Hirth, D. Wöhrle, *Schülerlabor Chemie – Klebstoffe*, ISSN 1610-8558 Nr. 7, 2003, 30 Seiten.
323. A. Hirth, D. Wöhrle, *Schülerlabor Chemie – Kunststoffe*, ISSN 1610-8558 Nr. 6, 2003, 41 Seiten.
322. C. Seebacher, C. Hellriegel, C. Bräuchle, M. Ganschow, D. Wöhrle, „Orientational behaviour of Single Molecules in Molecular Sieves: A Study of Oxazine Dyes in AlPO₄.5 crystals, *J. Phys. Chem. B*, 107, 5445-5452 (2003).

321. L. Benmohammadi, F. Laeri, F. Schüth, G. Schulz-Ekloff, D. Wöhrle et al., "Microscopic lasers based on the molecular sieve AlPO₄-5", in: *Host/Guest Systems Based on Nanoporous Crystals* (Schüth et al., Eds.), Wiley-VCH, 2003, 584-617.
320. P. Prochnow, G. Schulz-Ekloff, D. Wöhrle, A. Zukal, J. Rathousky, M. Borowski, M. Wark, „Detection of nanodefects in the framework of NaY zeolite originating from the in-situ synthesis of metal-free phthalocyanine“, *Microporous Mesoporous Mater.* 56, 131-138 (2002).
319. D. Wöhrle, C. Schomburg, Y. Rohlfiing, M. Wark, G. Schulz-Ekloff, „In-Situ Synthesis of Aza Dyes and Spiropyran dyes in Faujasites and their Photochromic Properties“, in: *Host/Guest Systems on Nanoporous Crystals* (Schüth et al., Eds.), Wiley-VCH, 2003, 92-43.
318. M. Kaneko, D. Wöhrle, "Electron- and Photo-Induced Processes", in: *Metal Complexes and Metals in Macromolecules*, Wiley-VCH, 2003, pp. 573-600.
317. A. Pomogailo, D. Wöhrle, "Physical Incorporation of Metal Clusters or Metal Complexes in Macromolecules", in: *Metal Complexes and Metals in Macromolecules*, Wiley-VCH, 2003, pp. 325-360.
316. D. Wöhrle, "Metals or Metal Complexes as Part of Linear or Crosslinked Macromolecules via the Metal", in: *Metal Complexes and Metals in Macromolecules*, Wiley-VCH, 2003, pp. 279-324.
315. D. Wöhrle, "Metal Complexes as Part of Linear or Crosslinked Macromolecules", in: *Metal Complexes and Metals in Macromolecules*, Wiley-VCH, 2003, pp. 229-277.
314. D. Wöhrle, "Binding of Metal Ions and Metal Complexes to Macromolecules", in: *Metal Complexes and Metals in Macromolecules*, Wiley-VCH, 2003, pp. 173-228.
313. D. Wöhrle, M. Kaneko, "Macromolecular Metal Complexes in Biological Systems", in: *Metal Complexes and Metals in Macromolecules*, Wiley-VCH, 2003, pp. 25-63.
312. D. Wöhrle, a. Pomogailo, "Definition, Classification, History, Properties", in: *Metal Complexes and Metals in Macromolecules*, Wiley-VCH, 2003, pp. 3-24.
311. D. Wöhrle, O. Suvorova, R. Gerdes, O. Bartels, Ł. Łapok, N. Baziakina, S. Makarov, A. Słodek, "Efficient oxidation and photooxidation of sulfur compounds and phenols by immobilized phthalocyanines", *Process of Petrochemistry and Oil Refining*, 3, 30-46 (2002).
310. Y. Rohlfiing, D. Wöhrle, J. Rathousky, A. Zukal, M. Wark, "Anchorage of dye molecules and organic moieties to the inner surface of Si-MCM-41", *Studies in Surface Science and Catalysis* 142, 1067-1074 (2002).
309. W. Michaelis, C. Kelting, A. Hirth, D. Wöhrle, D. Schlettwein, "Growth of organic n-conductions on thin polymer films for use in organic field effect transistors", *Macromol. Symp.*, "212, 299-307 (2004).
308. P. Prochnow, M. Wark, G. Schulz-Ekloff, D. Wöhrle, A. Zukal, J. Rathousky, „Cobalt(II)-phthalocyanine encapsulated in NaY faujasite: Aggregation of Co(II)-phthalocyanine encapsulated in NaY zeolite due to the acidity of Ti(IV) oxide species mediated by pyridine“, *J. Porphyrins Phthalocyanines*, 6, 494-501 (2002).
307. M. Ganschow, I. Braun, G. Schulz-Ekloff, D. Wöhrle, „Microwave-assisted crystallization inclusion of dyes in microporous AlPO₄-5 and mesoporous Si-MCM-41 molecular sieves“, in: *Host/Guest Systems on Nanoporous Crystals* (Schüth et al., Eds.), Wiley-VCH, 2003, 44-63.

306. D. Schlettwein, T. Oekermann, N. Jaeger, N.R. Armstrong, D. Wöhrle, „Interfacial trap states in junctions of molecular semiconductors“, *Chem. Phys.*, 285, 103-112 (2002).
305. R. Benters, C.M. Niemeyer, D. Drutschmann, D. Blohm, D. Wöhrle, „DNA-microarrays with PANAM dendritic linker systems“, *Nucleic Acids Research* 39, (2002).
304. M. Suzuki, O. Bartels, R. Gerdes, G. Schneider, D. Wöhrle, G. Schulz-Ekloff, M. Kimura, K. Hanabusa, H. Shirai, „Photooxidation of 1,3-Cyclopentadiene using partially quarternized poly-vinylimidazole bound Ru(II)-complexes“, *Phys. Chem. Chem. Phys.* 2, 109-114 (2000).
303. M. Suzuki, Y. Ohta, H. Nagae, T. Ichinohe, M. Kimura, K. Hanabusa, H. Shirai, D. Wöhrle, „Synthesis, Characterization and application of a novel polymer solid photosensitizer“, *Chem. Commun.* 2000, 213-214.
302. D. Wöhrle, G. Schnurpfeil, „Porphyrins and phthalocyanines in combination with macromolecules“, *The Porphyrin Handbook*, Academic Press, 2003, Vol. 17, p. 177-246.
301. N. Trombach, O. Hild, D. Schlettwein, D. Wöhrle, „Synthesis and electropolymerization of pyrrole-1-yl substituted phthalocyanines“, *J. Mater. Chem.*, 12, 879-885 (2002).
300. D. Wöhrle, O. Hild, N. Trombach, R. Benters, G. Schnurpfeil, O. Suvorova, „Conjugated polymeric phthalocyanines by polycyclotetramerization and electropolymerization“, *Macromol. Symp.*, 186, 99-104 (2002).
299. Ch. Pannemann, V. Dyakonov, J. Parisi, O. Hild, „Electrical characterisation of phthalocyanine-fullerene photovoltaic devices“, *Synth. Met.* 121, 1585-1586 (2001).
298. C.G. Claersens, W.J. Blau, M. Cook, R.J.M. Nolte, M. Hanack, T. Torres, and D. Wöhrle, „Phthalocyanines and Phthalocyanine Analogues: The Quest for Applicable Optical Properties“, *Monatshefte Chemie* 132, 3 – 11 (2001).
297. D. Wöhrle, „Metal-containing Macromolecules“, *Handbook of Polymer Synthesis*, ~100 pages, in press.
296. M. Shopova, M. Peeva, N. Stoichkova, G. Jori, D. Wöhrle, G. Petrov, „Light intensity effect on the mechanism of tumour damage photosensitised by substituted Zn(II)-naphthalocyanine“, *J. Porphyrins Phthalocyanines*, 5, 798-802 (2001).
295. M. Wark, M. Ganschow, Y. Rohlfing, G. Schulz-Ekloff, D. Wöhrle, „Methods of synthesis for the encapsulation of dye molecules in molecular sieves“, *Stud. Surf. Sci. Catal.*, 135, 160 (2001) abstract; full paper on CD-ROM: 21-O-02, Proceedings of the 13th International Zeolite Conference Montpellier 2001, Eds.: A. Galarneau, F. Di Renzo, F. Fajula, J. Védrine.
294. C. Schomburg, D. Wöhrle, G. Schulz-Ekloff, M. Wark, „Optical switching with photochromic dye molecules encapsulated in the pores of molecular sieves by in-situ synthesis“, *Stud. Surf. Sci. Catal.*, 135, 359 (2001) abstract; full paper on CD-ROM: 22-P-07, Proceedings of the 13th International Zeolite Conference Montpellier 2001, Eds.: A. Galarneau, F. Di Renzo, F. Fajula, J. Védrine.
293. M. Ganschow, G. Schulz-Ekloff, M. Wark, M. Wendschuh-Jostia, D. Wöhrle, „Microwave-assisted preparation of uniform pure and dye-loaded AlPO₄-5 crystals with different morphologies for use as microlaser systems“, *J. Mater. Chem.*, 11, 1823-1827 (2001).
292. A. Hartwig, A. Harder, G. Schnurpfeil, H. Schröder, D. Wöhrle, „Kleben mit flüssig-kristallinen Epoxidharzen“, *Kleben & Dichten Adhäsion* 45, 22 – 27 (2001)

291. L. Prahov, V. Iliev, E. Eliyas, H. Fischer, G. Schulz-Ekloff, D. Wöhrle, „Catalytic oxidation of sulfide in aqueous medium“, Proc. 9th Intern. Symp. Heterog. Catal. (L. Petrov et al., Eds.), Varna, Bulgaria, 2000, 767-772.
290. V.I. Bregadze, I.B. Sivaev, D. Gabel, D. Wöhrle, “Polyhedral derivatives of porphyrins and phthalocyanines”, J. Porphyrin Phthalocyanines, 5, 767-781 (2001).
289. R. Benters, D. Wöhrle, C. Niemeyer, „Dendrimer-Activated Solid Supports for Nucleic Acid- and Protein-Microarrays, ChemBioChem., 2, 686-694 (2001).
288. M. Peeva, M. Shopova, U. Michelsen, D. Wöhrle, G. Petrov, H. Diddens, “In vitro and in vivo studies of new cationic Zn(II)-benzophenanthroporphyrines as photosensitizers for PDT”, J. Porphyrins Phthalocyanines, 5, 645-651 (2001).
287. G. Schulz-Ekloff, D. Wöhrle, R.A. Schoonheydt, “Chromophores in porous silicas and minerals: Preparation and optical properties”, Microporous Mesoporous Mater., 51, 91-138 (2002).
286. R. Gerdes, O. Bartels, G. Schneider, D. Wöhrle, G. Schulz-Ekloff, „Photooxidations of phenol, cyclopentadiene and citronellol with photosensitizers ionically bound at a polymeric ion exchanger“, Polym. Adv. Technol., 12, 152 – 160 (2001).
285. M. Wark, G. Grubert, M. Warnken, G. Schulz-Ekloff, M. Ganschow, Y. Rohlfiing, T. Bogdahn-Rai, D. Wöhrle, „Molecular sieve-based host/guest compounds: Materials for optical gas sensing“, Applied Mineralogy, Rammimair et al. (eds) © 2000 Balkerna, Rotterdam, S. 253 - 256.
284. M. Ganschow, G. Schulz-Ekloff, D. Wöhrle, I. Braun, F. Laeri, U. Vietze, „Microlasers based on organic dyes in the molecular sieve AlPO₄-5“, Applied Mineralogy, Rammimair et al. (eds) © 2000 Balkerna, Rotterdam, S. 143 - 146.
283. C. Schomburg, Y. Rohlfiing, G. Schulz-Ekloff, M. Wark, D. Wöhrle, „Photochromism of spiropyran in the void structure of molecular sieves: Effects of Host-Guest interaction on isomer status, switching ability and reversibility, J. Master. Chem., 11, 2014-2021 (2001).
282. V. Iliev, L. Prahov, L. Bilyarsko, H. Fischer, G. Schulz-Ekloff, D. Wöhrle, L. Petrov, “Oxidation and photooxidation of sulfide and thiolsulfate ions catalysed by transition metal chalcogenides and phthalocyanine complexes”, J. Mol. Catal. A. Chem. 151, 161-169 (2000).
281. D. Wöhrle, “Phthalocyanines in macromolecular phases — Methods of synthesis and properties of the materials”, Macromolecular Rapid. Commun., 22, 68-97 (2001).
280. F. Zhao, J. Zhong, D. Wöhrle, M. Kaneko, “Electrocatalytic proton reduction by Zn-phthalocyanine in nafion and poly(4-vinylpyridine-co-styrene) matrices”, J. Porphyrins Phthalocyanines 4, 31-36 (2000).
279. N. Trombach, T. Tada, S. Hiller, D. Schlettwein, D. Wöhrle, „Photovoltaic junction properties of ultrathin films of PcVO on H-terminated n-Si(111)“, Thin Solid Films, 396, 109-118 (2001).
278. M. Bauer, F. Fanter, J. Schneider, C. Schomburg, D. Wöhrle, G. Schulz-Ekloff, „Preparation and optical transparency of composite materials from methacrylate ester copolymers and faujasites with an embedded azo dye“, Microporous Mesoporous Mater., 39, 257-263 (2000).

277. O. Bartels, D. Wöhrle, R. Gerdes, G. Schneider, G. Schulz-Ekloff, „Photooxidation of cyclopentadiene by artificial and solar light irradiation with dissolved and immobilized photosensitizers“, J. Inform. Recording, 25, 251-258 (2000).
276. D. Wöhrle, G. Schulz-Ekloff, I. Braun, C. Schomburg, F. Laeri, U. Vietze, M. Ganschow, Y. Rohlfing, T. Bogdahn-Rai, „Synthesis, photochemical and optical properties of chromophores in molecular sieves“, J. Inform. Recording, 25, 87-94 (2000).
275. D. Wöhrle, O.N. Suvorova, N. Trombach, E.A. Schapak, R. Gerdes, N.M. Semenov, O. Bartels, A.A. Zakurazhov, A. Wendt, “Synthesis of Polymeric and Low Molecular Weight Phthalocyanines from Nitriles and Metal Carbonyls on SiO₂ and TiO₂ and Catalytic Activities in the Sulfide Oxidation, J. Porphyrins Phthalocyanines, 5, 381-389 (2001).
274. D. Wöhrle, R. Benters, O. Suvorova, G. Schnurpfeil, N. Trombach, T. Bogdahn-Rai, „Synthesis of Structurally Uniform Polymeric Phthalocyanines“, J. Porphyrins Phthalocyanines, 4, 491-497 (2000).
273. D. Wöhrle, “Porphyrins, Phthalocyanines and Related Systems in Polymer Phases“, J. Porphyrins Phthalocyanines, 4, 418 - 424 (2000).
272. M. Suzuki, O. Bartels, R. Gerdes, G. Schneider, D. Wöhrle, G. Schulz-Ekloff, M. Kimura, K. Hanabusa, H. Shirai, „Excellent Stability of Ru(II) Complex Photosensitizers during Photooxidation of 1,3-Cyclopentadien“, Chem. Lett. 1999, 579 – 580.
271. T. Yoshida, M. Toshimoto, D. Schlettwein, D. Wöhrle, T. Sugiura, H. Minoura, “Self-Assembly of Zinc Oxide Thin Films Modified with Tetrasulfonated Metallophthalocyanines by One-Step Electrodeposition“, Mater. Chem., Chem. Mater. 11, 2657-2667 (1999).
270. I. Braun, G. Ihlein, F. Laeri, J.U. Nöckel, G. Schulz-Ekloff, F. Schüth, U. Vietze, O. Weiß, D. Wöhrle, „Hexagonal Microlasers based on Organic Dyes in Nanoporous Crystals“, Appl. Phys. B, 70, 335 - 344 (2000).
269. Y. Rohlfing, D. Wöhrle, M. Wark, G. Schulz-Ekloff, J. Rathousky, A. Zukal, „Covalent Attachment of Dye Molecules to the Inner Surface of MMC-41“, Studies in Surface Science and Catalysis, 129, 295 - 302 (2000).
268. D. Wöhrle, A. Hartwig, G. Schnurpfeil, A. Harder, H. Schröder, "Synthesis and Photoinduced Polymerization of Liquid Crystalline Diepoxides for Bonding in the Microsystem Technique", Polym. Adv. Technol., 11, 739-746 (2000).
267. G. Schneider, R. Gerdes, D. Wöhrle, "Immobilisierter Photokatalysator", Deutsche Patentanmeldung 199 29 053.9-41 vom 25.6.1999.
266. G. Schnurpfeil, A. Harder, H. Schröder, D. Wöhrle, A. Hartwig, O.-D. Hennemann, "Synthesis and Photoinitiated Polymerization of Nematic Liquid Crystalline Diepoxides", Makromol. Chem. Phys., 202, 180-187 (2001).
265. D. Wöhrle, O. Suvorova, M. Kaneko, N. Trombach, R. Gerdes, O. Bartels, G. Schnurpfeil, "Molecular and Macromolecular Photosensitizers in Photooxidation Reactions and Photovoltaic Cells, Macromol. Symp., 156, 109-116 (2000).
264. M. Ganschow, M. Wark, D. Wöhrle, G. Schulz-Ekloff, "Verankerung von Funktionsfarbstoffen in das Molekularsieb MCM-41 via mikrowellenunterstützter hydrothermalmer co-Kondensation", Angew. Chem., Int. Ed. 39, 161-163 (2000).
263. M. Shopova, D. Wöhrle, V. Mantareva, S. Müller, "Naphthalocyanine-complexes as potential photosensitizers for PDT of tumors", J. Biomed. Optics, 4, 276 – 285 (1999).

262. V. Mantareva, M. Shopova, G. Spassova, D. Wöhrle, S. Müller, G. Jori, F. Ricchelli, "Si(IV)-methoxyethylene-glycol-naphthalocyanines: Synthesis and pharmacokinetic and photosensitizing properties in different tumor models", *J. Photochem. Photobiol. B, Biology* 40, 258-262 (1997).
261. R. Gerdes, O. Bartels, G. Schneider, D. Wöhrle, "Photooxidation of sulfide, thiol, phenols and cyclopentadiene by artificial light and solar light irradiation", *Intern. J. Photoenergy* 1999, 41-47.
260. D. Wöhrle, A. Pomogailo, "Metal-Containing Polymers", *Advanced Functional Molecules and Polymers*, Gordon and Breach, Amsterdam, 2001, vol. 1, 87-162.
259. D. Wöhrle, S. Müller, M. Shopova, V. Mantareva, G. Spassova, F. Vietri, F. Ricchelli, G. Jori, "Effect of delivery system on the pharmacokinetic and phototherapeutic properties of bis(methoxy-ethyleneoxy)silicon-phthalocyanine in tumor-bearing mice", *J. Photochem. Photobiol. B: Biol.* 50, 124 – 128 (1999).
258. F. Zao, J. Zhang, T. Abe, D. Wöhrle, M. Kaneko, "Electrocatalytic proton reduction by phthalocyanine derivatives incorporated in poly(4-vinylpyridine-co-styrene)films", *J. Mol. Catal. A: Chemical* 145, 245 – 256 (1999).
257. I. Braun, C. Schomburg, M. Bockstette, G. Schulz-Ekloff, D. Wöhrle, "Novel pigments via microwave-assisted crystallization inclusion of chromophores in AlPO₄-5 or ship in the bottle synthesis of dyes in HY", *Proc. 12th Intern. Zeolite Conf. Baltimore*, 3. – 10.7.98, vol. III, p. 2233 – 2240..
256. A. Hirth, U. Michelsen, D. Wöhrle, "Photodynamische Tumorthherapie", *Chemie in unserer Zeit*, 33, 84-94 (1999).
255. A. Hirth, D. Wöhrle, M. Shopova, T. Nishisaka, "Photodynamische Tumorthherapie mit neuen Photopharmaka", *Bericht Bremer Gesundheitstage*, in: „Medizinische Forschung und Gesundheitswissenschaften in Bremen“, Pabst Science Publ., Lengerich, 2000, S. 321 - 328.
254. M. Peeva, M. Shopova, N. Stoichkova, N. Michailov, D. Wöhrle, S. Müller, "Comparative photodynamic therapy of B16 pigmented melanoma with different generation of photosensitizers", *J. Porphyrins Phthalocyanines*, 3, 380-387 (1999).
253. D. Wöhrle, "Photochemie und Photophysik in selbstorganisierenden Systemen, hochmolekularen Verbindungen", in: D. Wöhrle, M. Tausch, W.-D. Stohrer, "Photochemie - Konzepte, Methoden, Experimente, VCH, Weinheim, 1998, S. 113-177.
252. D. Wöhrle, "Photochemie im sichtbaren Bereich, solare Photochemie und verwandte Prozesse", in: D. Wöhrle, M. Tausch, W.-D. Stohrer, "Photochemie - Konzepte, Methoden, Experimente, VCH, Weinheim, 1998, S. 113-177.
251. D. Wöhrle, M. Tausch, W.-D. Stohrer, "Photochemie - Konzepte, Methoden, Experimente", Wiley-VCH, Weinheim, ca. 530 Seiten, 1998.
250. M. Ganschow, D. Wöhrle, G. Schulz-Ekloff, "Incorporation of differently substituted phthalocyanines in the mesoporous molecular sieve Si-MCM-41", *J. Porphyrins Phthalocyanines*, 3, 299-309 (1999).
249. M. Wark, A. Ortlam, M. Ganschow, G. Schulz-Ekloff, D. Wöhrle, "Monomeric encapsulation of phthalocyanine-dye molecules in the pores of Si-MCM-41 and Ti-MCM-41", *Ber. Bunsenges. Phys. Chem.*, 102, 1548-1553 (1998).
248. I. Braun, G. Schulz-Ekloff, D. Wöhrle, W. Lautenschläger, "Synthesis of AlPO₄-5 in a microwave-heated continuous flow high-pressure tube reactor", *Microporous Mesoporous Mater.*, 23, 79-81 (1998).

247. MD. K. Nazeeruddin, R. Humpfry-Baker, M. Grätzel, D. Wöhrle, G. Schnurpfeil, G. Schneider, A. Hirth, N. Trombach, „Efficient Near IR Sensitization of Nanocrystalline TiO₂-Films by Zinc and Aluminium Phthalocyanine, J. Porphyrins Phthalocyanines, 3, 230-237 (1999).
246. T. Yoshida, K. Miyamoto, N.Hibi, T. Sugiura, H. Minoura, D. Schlettwein, T. Oekermann, G. Schneider, D. Wöhrle, "Self-assembled growth of mono particulate porous ZnO thin film modified by tetrasulfophthalocyanin-Zn by one step electrodeposition" Chem. Lett., 1998, 599-600.
245. M. Bockstette, D. Wöhrle, I. Braun, G. Schulz-Ekloff, „Conventional and microwave-assisted crystallization inclusion of substituted rhodamine derivatives in AlPO₄-5“, Microporous Mesoporous Mater., 23, 83-96 (1998).
244. H. Tada, S. Hiller, S. Mashiko, D. Wöhrle, „Photovoltaic properties of organic epitaxial films“, Technical Report of IEICE, OME 96-38, 1996, 71-76.
243. R. Gerdes, D. Wöhrle, G. Schneider, R. Vettors, G. Schulz-Ekloff, „Photooxidation of 2-chlorophenol by solar and artificial light irradiation in oxygen-saturated aqueous solution“, J. Inf. Recording 24, 223-227 (1998).
242. D. Wöhrle, O. Suvorova, „Development of some aspects of the present situation of macromolecule metal complexes“, Macromol. Symp., 131, 175-182 (1998).
241. S. Hiller, D. Schlettwein, N.R. Armstrong, D. Wöhrle, „Influence of surface reactions and ionization gradients on junction properties of F16PcZn“, J. Mater. Chem., 8, 945-954 (1998).
240. H. Eichhorn, D.W. Bruce, D. Wöhrle, „Amphitropic Mesomorphic Phthalocyanines - a new approach to high ordered layers“, Adv. Mater., 10, 419-422 (1998).
239. T. Oekermann, D. Schlettwein, D. Wöhrle, „Characterization of N,N'-dimethyl-3,4,9,10-perylenetetracarboxylic acid diimide and phthalocyanine-zinc in electrochemical photovoltaic cells“, J. Appl. Electrochem. 27, 1172-1178 (1997).
238. D. Wöhrle, „Beitrag aus der Grundlagenforschung: Organische Halbleiter als neue Photovoltaikzellen“, Dokumentation zum 8. Expertengespräch: Dialogforum Solartechnik“, Technologiestiftung Innovationszentrum Berlin, 1997, S. 24 - 48.
237. D. Wöhrle, A. Hirth, T. Bogdahn-Rai, G. Schnurpfeil, M. Shopova, „Photodynamic cancer therapy: second and third generations of photosensitizers“, Russ. Chem. Bull, 47, 807-816 (1998).
236. G. Schnurpfeil, A.K. Sobbi, U. Michelsen, D. Wöhrle, „Photooxidative stability of various tetraazaporphyrin derivation in solution and correlation with semiempirical MO-calculations“, SPIE, 3191, 299-308 (1997).
235. A. Hirth, B. Bartik, D. Wöhrle, S. Kaul, „New biotinylated phthalocyanines for the photodynamic therapy of cancer“, SPIE, 3191, 309-314 (1997).
234. D. Wöhrle, A. Hirth, U. Michelsen, T. Nishisaka, I Okura, M. Shopova, "Second and third generation of photosensitizers of more advanced use in photodynamic therapy of cancer", Photodynamic Association, Japan, Prof. JCIPA (Ishikawa) 1997, 85-87.
233. W. Spiller, H. Kliesch, D. Wöhrle, S. Hackbarth, B. Roeder, "Singlet oxygen quantum yield of different photosensitizers in polar solvents and micellar solutions", J. Porphyrins Phthalocyanines, 1998, 2, 145-158.

232. R. Gerdes, D. Wöhrle, W. Spiller, G. Schneider, G. Schnurpfeil, G. Schulz-Ekloff, „Photooxidation of phenol and monochlorophenols in oxygen-saturated aqueous solutions by different photosensitizers“, J. Photochem. Photobiol. A: Chemistry 1997, 111, 65-74.
231. T. Abe, H. Imaya, S. Tokita, D. Wöhrle, M. Kaneko, „Photoelectrochemical proton reduction with coated zinc tetraphenylporphine dispersed into poly(4-vinylpyridine)“, J. of Porphyrins and Phthalocyanines, 1, 215 - 220 (1997).
230. T. Abe, H. Imaya, T. Yoshida, S. Tokita, D. Schlettwein, D. Wöhrle, M. Kaneko, „Electrochemical CO₂ reduction catalyzed by cobalt octacyanophthalocyanine and its mechanism“, J. of Porphyrins and Phthalocyanines, 1, 315-321 (1997).
229. A. Hirth, A.K. Sobbi, D. Wöhrle, "Synthesis of a Monofunctional Phthalocyanine on Silica", J. Porphyrins and Phthalocyanines, 1, 275 - 279 (1997).
228. G. Schnurpfeil, A.K. Sobbi, W. Spiller, H. Kliesch, D. Wöhrle, "Photooxidative Stability and its Correlation with Semiempirical MO-Calculations of various Tetraazaporphyrin Derivatives in Solution", J. Por. Phthal., 1, 159 - 167 (1997).
227. N. Michailov, M. Peeva, I. Angelov, D. Wöhrle, S. Müller, G. Jori, F. Ricchelli, M. Shopova, "Fluence Rate Effects of Photodynamic Therapy of B16 Pigmented Melanoma", J. Photochem. Photobiol. B: Biology 37, 154-157 (1997).
226. I. Braun, M. Bockstette, D. Wöhrle, G. Schulz-Ekloff, "Microwave-assisted Crystallization Inclusion of Coumarin and Azo Dyes in AlPO₄-5 Molecular Sieves", Zeolites, 19, 128-132 (1997).
225. T. Abe, H. Imaya, S. Tokita, D. Wöhrle, M. Kaneko, "Photoelectrochemical Proton Reduction with Coated Tetraphenylporphyrin Dispersed into Poly(4-vinylpyridine)", J. Por. Phthal., 1, 315-321 (1997).
224. T. Nishisaka, T. Fukami, K. Tabata, D. Wöhrle, I. Okura, „Protoporphyrin and Zinc Protoporphyrin in the Blood of Tumor Transplanted Mice“, Chemistry Letters, 1995, 325-326.
223. H. Fischer, G. Schulz-Ekloff, D. Wöhrle, „Improved Reaction Mechanism for Sulfide Oxidation Catalyzed by Co(II)-phthalocyanine, Heterogeneous Catalyst (Ed.: A. Andreev), Proc. 8th Int. Symp. Heterogeneous Catal., Varna, 5. - 9. Oct., 1996, pages 455 - 460.
222. H. Fischer, G. Schulz-Ekloff, D. Wöhrle, „Part II: Catalysis by Soluble and Immobilized Cobalt(II)-Phthalocyanines“, Environmental Science and Technology, Chem. Eng. Technol. 20, 624-632.
221. H. Fischer, G. Schulz-Ekloff, D. Wöhrle, „Oxidation of Aqueous Sulfide Solutions to Dioxygen. Part I: Autoxidation Reactions“, Chem. Eng. Technol. 20, 462-468 (1997).
220. H. Eichhorn, D. Wöhrle, D. Pressner, „Oriented Discotic Liquid Crystalline Glasses of New 2,3,9,10,16,17,23,24-Octasubstituted Phthalocyanines“, Liq. Cryst., 22, 643-653 (1997)..
219. D. Wöhrle, A. Weitemeyer, A. Hirth, U. Michelsen, I. Okura, „Photodynamic Therapy of Cancer“, in Photochemistry (M. Kaneko eds.) Japan, 1997, 352-372.
218. T. Abe, F. Tagushi, T. Yoshida, S. Tokita, G. Schnurpfeil, D. Wöhrle and M. Kaneko, „Electrocatalytic CO₂ reduction by cobalt octabutoxyphthalocyanine coated on graphite electrode“, J. Mol. Catal., A: Chem. 112, 55-61 (1996).

217. T. Abe, H. Imaya, T. Yoshida, S. Tokita, D. Schlettwein, D. Wöhrle and M. Kaneko, „Study of electrochemical CO₂ reduction catalyzed by cobalt octacyanophthalocyanine and its mechanism“, *J. Porphyrins Phthalocyanines* 1, 315-322 (1997).
216. H. Eichhorn, M. Rutloh, D. Wöhrle, J. Stumpe, „Synthesis and Photochemical Properties of Octa-Cinnamoyl Substituted Tetraazaporphyrins“, *J. Chem. Soc., Perkin Trans. 2*, 1801 - 1810 (1996)..
215. U. Michelsen, H. Kliesch, G. Schnurpfeil, A.K. Sobbi, D. Wöhrle, „Unsymmetrically Substituted Benzonaphthoporphyrazines: A New Class of Cationic Photosensitizers for the Photodynamic Therapy of Cancer“, *Photochem. Photobiol.*, 64, 694 - 701 (1996).
214. H. Kliesch, A. Weitemeyer, U. Michelsen, M. Shopova, D. Wöhrle, „Naphthalocyanines as Photosensitizers for PDT“, in: *Photodynamic Tumor Therapy* (Ed. J.G. Moser), Harwood Academic Publishers, Amsterdam, 1998, 75-86.
213. A. Weitemeyer, H. Kliesch, U. Michelsen, A. Hirth, D. Wöhrle, „Unsymmetrically Substituted Porphyrines“, in: *Photodynamic Tumor Therapy* (Ed. J.G. Moser), Harwood Academic Publishers, Amsterdam, 1998, 87-100.
212. D. Wöhrle, M. Shopova, J.G. Moser, H. Kliesch, U. Michelsen, S. Müller, A. Weitemeyer, „Liposome Delivered and Polymeric Metal Complexes as Potential Sensitizers for PDT“, *Macromolecular Symposia*, 105, 127 - 138 (1996).
211. C. Schomburg, D. Wöhrle, G. Schulz-Ekloff, „In-situ Synthesis of Azo Dyes in Mesoporous Y-Zeolites“, *Zeolites*, 17, 232 - 236 (1996).
210. J.G. Moser, A. Ruebner-Heuermann, A. Weitemeyer, U. Michelsen, D. Wöhrle, A. Rueck, W. Strauss, D. Kirsch, S. Andrees, Chr. Schroers, „Independent Pathway for Inclusion Complexes of Porphyrinoid Drugs to Tumors: The Separation from the Lipoprotein Pathway in Plasma“, *SPIE, The International Society for Optical Engineering*, 2626, 138 - 145 (1996).
209. D. Wöhrle, A. Weitemeyer, A. Sobbi, U. Michelsen, H. Kliesch, „Monofunctional Phthalocyanine Derivatives as Potential Sensitizers for PDT“, *SPIE, The International Society for Optical Engineering*, 2626, 319 - 326 (1996).
208. S. Müller, V. Mantareva, N. Stoichkova, H. Kliesch, A. Sobbi, D. Wöhrle, M. Shopova, „Tetraamido-Substituted 2,3-Naphthalocyanine Zinc(II)-Complexes: Synthesis, Phototherapeutic and Morphological Studies“, *J. Photochem. Photobiol., B: Biol.*, 35, 167-174 (1996).
207. W. Spiller, D. Wöhrle, G. Schulz-Ekloff, W.T. Ford, G. Schneider, J. Stark, „Photooxidation of Sodium Sulfide by Phthalocyanines in Oxygen-Saturated Aqueous Solutions Containing Detergents or Latexes“, *J. Photochem. Photobiol. A: Chem.*, 95, 161 - 173 (1996).
206. R. Hoppe, G. Schulz-Ekloff, S. Wohlrab und D. Wöhrle, „Kristallisationseinschluß des Redox-Paars Fe(II)/Methylenblau in das Molekularsieb FAPO-5“, *Chem. Ing. Tech.* 67, 350-351 (1995).
205. D. Wöhrle, L. Kreienhoop and D. Schlettwein, „Phthalocyanines and Related Macrocycles in Organic Photovoltaic Junctions“, (in: *Phthalocyanine - Properties and Applications*, Editors: Leznoff, Lever), VCH-Publishers, New York, 1996, 219-284.
204. H. Eichhorn, D. Wöhrle, „Präparative HPLC für den Synthetiker am Beispiel oktasubst. Tetraazaporphyrine“, *Spektrum (Merck)*, 1, 7-10 (1995).
203. J. Stark, D. Wöhrle, J. Rabani, „ Puls Radiolysis Studies of a Perylene Derivative in Aqueous Solution“, *J. Phys. Chem.*, 56, 457-466 (1999).

202. R. Hoppe, G. Schulz-Ekloff, D. Wöhrle, C. Kirschhock, H. Fuess, L. Uytterhoeven, R. Schoonheydt, „Incorporation of Methylene Blue in NaY Zeolite at Crystallographically Defined Positions“, *Adv. Mater.* 7, 61 - 64 (1995).
201. A. Weitemeyer, H. Kliesch, D. Wöhrle, „Unsymmetrically Substituted Phthalocyanine Derivatives via a Modified Ring Enlargement Reaction of Unsubstituted Subphthalocyanines“, *J. Org. Chem.*, 60, 4900-04 (1995).
200. H. Kliesch, A. Weitemeyer, S. Müller, D. Wöhrle „Synthesis of Phthalocyanines with One Sulfonic Acid, Carboxylic Acid or One Amino Group“, *Liebigs Annalen*, 1995, 1269-1273.
199. D. Wöhrle, G. Schnurpfeil, „Macromolecular Metal Complexes“, *Polymeric Materials Encyclopedia*, CRC Press, Boca Raton, 1996.
198. D. Wöhrle, G. Schnurpfeil, „Macromolecule Metal Complexes“, *Comprehensive Polymer Science*, Elsevier, Oxford, 1996.
197. S. Müller, D. Wöhrle, M. Shopova, B. Roeder, C. von Schönermark, „Spectroscopic Studies on Si-Phthalocyanines and Si-Naphthalocyanines“, *SPIE, The International Society For Optical Engineering*, 2325, 339-348 (1994)..
196. V. Mantareva, K. Kassabov, M. Shopova, S. Müller, D. Wöhrle, „Influence of Photodynamic Therapy on the Delay of Metastatic Development in Lewis Lung Carcinoma“, *SPIE, The International Society For Optical Engineering*, 2325, 355-363 (1994).
195. V. M. Negrimosky, V. M. Derkacheva, E. A. Luk'yanets, A. Weitemeyer, D. Wöhrle, W. Schneider, „Synthesis of Sulfonated 1,2-Dicyanobenzenes“, *Phosphorus, Silicon and Sulfur*, 104, 161-167 (1995).
194. T. Yoshida, K. Kamoto, M. Tsukamoto, T. Iida, D. Schlettwein, D. Wöhrle, M. Kaneko, „Selective Electrocatalysis for Carbon Dioxide Reduction in Aqueous Phase Using Cobalt Phthalocyanine-Polyvinylpyridine Modified Electrodes“, *J. Electroanal. Chem.*, 385, 209-225 (1995).
193. G. Schnurpfeil, J. Stark, D. Wöhrle, „Synthesis of Uncharged, Positively and Negatively Charged 3,4,9,10-Perylenetetracarboxylic Acid Diimide Derivatives“, *Dyes and Pigments*, 27, 339-350 (1995)..
192. M. Kaneko, D. Wöhrle, „Photoinduced Electron Transport in Macromolecule Metal Complexes“, in: „Macromolecule Metal Complexes“, Springer Publishers, Berlin, 1995, 267-308.
191. A. D. Pomogailo, D. Wöhrle, „Synthesis and Structure of Macromolecule Metal Complexes“, in: „Macromolecule Metal Complexes“, Springer Publishers, Berlin, 1995, 11-130.
190. F. Ciardelli, E. Tsuchida, D. Wöhrle, „Macromolecule Metal Complexes“, Springer Publishers, Berlin, 1995, 350 pages.
189. L. Kümmerl, H. Kliesch, D. Wöhrle, D. Haarer, „Differences of Proton Tautomerization in Substituted Porphyrins“, *Chem. Phys. Lett.* 227, 337-342(1994).
188. L. Kümmerl, H. Kliesch, D. Wöhrle, D. Haarer, „Differences of Proton Tautomerization in Substituted Porphyrins“, *Chem. Phys. Lett.* 227, 337-342(1994).
187. H. Yanagi, Y. Kobayashi, D. Schlettwein, D. Wöhrle und N.R. Armstrong, „Photochemical Investigations on Naphthalocyanine Derivatives in Thin Films“, *J. Phys. Chem.* 98, 4760-4766 (1994).

186. J.-P. Meyer, D. Schlettwein, D. Wöhrle, N. Jaeger, „Charge Transport in Thin Films of Molecular Semiconductors as Investigated by Measurements of Thermoelectric Power and Electrical Conductivity“, *Thin Solid Films*, 258, 317-324 (1995).
185. D. Wöhrle, D. Schlettwein, G. Schnurpfeil, G. Schneider, E. Karmann, T. Yoshida, M. Kaneko, „Phthalocyanines and related Macrocycles for Multi-Electron Transfer in Catalysis, Photochemistry and Photoelectrochemistry“, *Polym. Adv. Technol.*, 6, 118-130 (1995).
184. D. Wöhrle, A. Wendt, A. Weitemeyer, J. Stark, W. Spiller, G. Schneider, S. Müller, U. Michelsen, H. Kliesch, A. Ardeschirpur, „Metal Chelates of Porphyrin Derivatives as Sensitizers in Photooxidation Processes of Sulfur Compounds and in the Photodynamic Therapy of Cancer“, *Russ. Chem. Bull., Izvi. Akad. Nauk. Ser. Khim.* 1994, 2071-2082.
183. A. Sobbi, D. Wöhrle, O. Franke, G. Schulz-Ekloff, „Preparation and Photostability of Porphyrins Incorporated into AlPO₄-5 Molecular Sieves by Crystallization Inclusion“, *Zeolites*, 15, 540-550 (1995).
182. D. Wöhrle, G. Schulz-Ekloff, „Molecular Sieve Encapsulated Organic Dyes and Metal Chelates“, *Adv. Mater.* 6, 875-880(1994).
181. R. Hoppe, G. Schulz-Ekloff, D. Wöhrle, C. Kirschhock, H. Fuess, „Localization and Photostability of Faujasited Incorporated Methylene-Blue“, *Stud. Surf. Sci. Catal.* 84, 821-827 (1994).
180. M. Shopova, D. Wöhrle, N. Stoichkova, A. Milev, V. Mantareva, S. Müller, K. Kacsabov, K. Georgiev, „Hydrophobic Zn-Naphthalocyanines as Photodynamic Therapy Agents for Lewis Lung Carcinoma“, *J. Photochem. Photobiol. B*: 23, 35-42 (1994).
179. D. Wöhrle (Editor), *Macromolecule Metal Complexes, Macromolecular Symposia*, Vol. 80, 377 pages (1994).
178. D. Wöhrle, L. Kreienhoop, G. Schnurpfeil, J. Elbe, B. Tennigkeit, D. Schlettwein, „Investigations of n/p-junction Photovoltaic Cells Based on Perylenetetracarboxylic Acid Diimides and Phthalocyanines“, *J. Mater. Chem.*, 5, 1819-1829 (1995)..
177. G. Schneider, D. Wöhrle, W. Spiller, J. Stark, G. Schulz-Ekloff „Photooxidation of 2-Mercaptoethanol by Various Water Soluble Phthalocyanines in Aqueous Alkaline Solution under Irradiation with Visible Light“, *Photochem. Photobiol.* 60, 333-342 (1994).
176. H. Eichhorn, M. Sturm, D. Wöhrle, „Polymer-bound Porphyrins and their Precursors, 11, Synthesis and Polymerizations of Methacryloyloxy and 2,4-Hexadieneoyloxy derivatives of Porphyrins and Phthalocyanines, *Macromol. Chem. Phys.*, 196, 115-131 (1995).
175. D. Wöhrle, „Macromolecule Metal Complexes, An Overview“, *Macromolecular Symposia*, 80, 1 - 16 (1994).
174. D. Wöhrle, W. Spiller, G. Schneider, G. Schulz-Ekloff, J. Stark, „Solar Photochemistry: Photooxidation of Hydrogen Sulfide“, *J. Inform. Record. Mater.* 21, 481-485 (1994).
173. M. Vassileva, A. Andreev, G. Schulz-Ekloff and D. Wöhrle, „Effect of Hydrophobized Active Carbon on the Catalytic Activity and Adsorptivity of Supported Cobalt(II)-Phthalocyanine“, *React. Kinet. Catal. Lett.*, 50, Nos 1-2, 139 - 143 (1993).
172. D. Wöhrle (Editor), „IUPAC, 5th International Symposium on Macromolecule Metal Complexes“, 30.8.-3.9.93, Bremen, Conference Book, 427 pages (1993).

171. M. Ehrl, F.W. Deeg, C. Bräuchle, O. Franke, A. Sobbi, G. Schulz-Ekloff, D. Wöhrle, „High Temperature Non-Photochemical Hole Burning of Phthalocyanine-Zinc Derivative Embedded in a Hydrated AlPO₄-5 Molecular Sieve“, *J. Phys. Chem.*, 98, 47-53 (1994).
170. H. Fischer, G. Schulz-Ekloff, T. Buck, D. Wöhrle, M. Vassileva, A. Andreev, „Mercaptan Absorption Capacity and Catalytic Oxidation Activity of Silica Supported Phthalocyanines“, *Erdöl und Kohle*, 110, 128-135 (1994).
169. D. Schlettwein, D. Wöhrle, E. Karmann, U. Melville, „Conduction Type of Substituted Tetraazaporphyrins and Perylene Tetracarboxylic Acid Diimides as Determined by Thermoelectric Power Measurements“, *Chem. Mater.*, 6, 3-6 (1994).
168. R. Hoppe, G. Schulz-Ekloff, D. Wöhrle, C. Kirschhock, H. Fuess, „Synthesis, Location and Photoinduced Transformation of Zeolite-Encaged Thioindigo“, *Langmuir*, 10, 1517-1523 (1994).
167. D. Wöhrle, B. Tennigkeit, J. Elbe, L. Kreienhoop, G. Schnurpfeil, „Various Porphyrins and Aromatic Tetracarboxylic acid Diimides in Thin Film p/n Solar Cells“, *Mol. Cryst. Liq. Cryst.* 228, 221-226 (1993).
166. H. Yanagi, K. Tsukatani, H. Yamaguchi, M. Ashida, D. Schlettwein, D. Wöhrle, „Semiconducting Behavior of Substituted Tetraazaporphyrin Thin Films in Photoelectrochemical Cells“, *J. Electrochem. Soc.*, 140, 1942 - 1948 (1993).
165. D. Wöhrle, J. Elbe, L. Kreienhoop, G. Schnurpfeil, B. Tennigkeit, D. Meissner et al., Statusbericht BMFT Photovoltaik 1993, 56-1 - 56-16.
164. A. Tsuchida, S. Hayashi, G. Schnurpfeil, M. Ashida, D. Wöhrle, H. Yanagi, *Appl. Phys., Chemistry of Functional Dyes*, Vol. 2, Mita Press, Tokyo, page 775-780 (1993).
163. D. Wöhrle, „Die neue Chemiewaffen-Konvention“, *Nachr. Chem. Tech. Lab.* 41, 291-296 (1993).
162. N.I. Jaeger, R. Lehmkuhl, D. Schlettwein, D. Wöhrle, „Observation of a Transient Structural Change during the Reversible Reduction of a Porphyrin Thin Film Electrode“, *J. Electrochem. Soc.*, 141, 1735-1739 (1994).
161. A. Heuermann, T. Nishisaka, I. Okura, D. Wöhrle, „Photophysical and Photosensitizing Properties of Newly Synthesized Porphyrin- and Phthalocyanine-Derivatives, in: Photodynamic Therapy and Biomedical Lasers“ (P. Spinelli et al., eds.), Elsevier Publisher B.V., Amsterdam 1992, p. 855 - 860.
160. D. Wöhrle, A. Ardeschirpur, S. Müller, A. Heuermann, G. Grasczew, P. Schlag, „Various Reactive Natural Porphyrin Based Sensitizers for Potential Application in PDT“, in: Photodynamic Therapy and Biomedical Lasers“ (P. Spinelli et al., eds.), Elsevier Publisher B.V., Amsterdam 1992, p. 774 - 779.
159. D. Wöhrle, M. Shopova, S. Müller, V. Mantareva, L. Spiro, P. Jankov, „Experimental Photodynamic Therapy with Zn-Naphthalocyanine Compounds, in: Photodynamic Therapy and Biomedical Lasers“ (P. Spinelli et al., eds.), Elsevier Publisher B.V., Amsterdam 1992, p. 545 - 548.
158. D. Wöhrle, „Polymer Organic Photoconductors in Photoelectrochemical and Photovoltaic Cells“, *Publications of the Jap.-German Center Berlin*, 6, 128-138 (1992).
157. A. Khezer-Sobbi, D. Wöhrle, D. Schlettwein, „Stability of Various Porphyrins in Solution and as Thin Film Electrodes“, *J. Chem. Soc., Perkin Trans.*, 2, 481-488 (1993).

156. D. Wöhrle, M. Shopova, S. Müller, A.D. Milev, V.N. Mantareva, K.K. Krastev, „Liposome-Delivered Zn(II)-2,3-Naphthalocyanines as Potential Sensitizers for PDT: Synthesis, Photochemical, Pharmacokinetic and Phototherapeutic Studies“, J. Photochem. Photobiol. B: Biol., 21, 155 - 165 (1993).
155. R. Hoppe, G. Schulz-Ekloff, D. Wöhrle, E. Shpiro, „XPS Investigations of Methylene Blue Incorporated in Faujasites and AlPO Family Molecular Sieves“, Zeolites 13, 222-228 (1993)..
154. T. Buck, H. Bohlen, D. Wöhrle, G. Schulz-Ekloff, A. Andreev, „Influence of Substituents and Ligands of Various Co(II)porphyrinderivatives coordinatively bonded to silica on the mercaptanoxidation activity“, J. Mol. Catal., 80, 253-267 (1993).
153. D. Wöhrle, M. Eskes, K. Shigehara, A. Yamada, „A Simple Synthesis of 4,5-Disubstituted benzenes and Octasubstituted Phthalocyanines“, Synthesis, 1993, 194-196.
152. H. Fischer, G. Schulz-Ekloff, T. Buck, D. Wöhrle, M. Vassileva, A. Andreev, „Mercaptan Adsorption Capacity and Catalytic Oxidation Activity of Silica-supported Phthalocyanines“, Langmuir, 8, 2720 -2723 (1992).
151. D. Wöhrle, G. Schneider, J. Stark, G. Schulz-Ekloff, „Photooxidation of 2-mercaptoethanol in the Presence of Water Soluble Phthalocyanine and Perylene-3,4,9,10-tetracarboxylic Acid Derivatives, J. Mol. Catal. Letters, 75, L39-44 (1992).
150. S. Wohlrab, R. Hoppe, G. Schulz-Ekloff, D. Wöhrle, „Encapsulation of Methylene Blue into Alumi-nophosphate Family Molecular Sieves“, Zeolites, 12, 862-865 (1992).
149. S. Günster, S. Siebentritt, J. Elbe, L. Kreienhoop, B. Tennigkeit, D. Wöhrle, R. Memming, D. Meissner, „Investigation of porphyrins and aromatic tetracarboxylic acid diimides for use in photovoltaics“, Mol. Cryst. Liq. Cryst., 218, 117-122 (1992).
148. V. Nikolaus, D. Wöhrle, „Synthesis and transition metal complex binding of amines and amides covalently bound to crosslinked polystyrene“, Angew. Makromol. Chem., 198, 179-190 (1992).
147. D. Schlettwein, N.I. Jaeger, D. Wöhrle, „Influence of polymer matrices on the photoelectrochemical properties of a molecular semiconductor by structural modification“, Makromol. Chem., Macromol. Symp., 59, 267-279 (1992).
146. D. Wöhrle, A. Ardeschirpur, A. Heuermann, S. Müller, G. Grasczew, H. Rinneberg, M. Kohl, J. Neuhammer, „Polymeric Porphyrins as new photocatalysts in the photodynamic therapy of cancer“, Makromol. Chem., Macromol. Symp., 59, 17-33 (1992).
145. F.W. Deeg, M. Ehrl, C. Bräuchle, R. Hoppe, G. Schulz-Ekloff, D. Wöhrle, „Dynamics of Adsorbed Molecules in Zeolites“, J. Luminescence, 53, 219-222 (1992).
144. R. Hoppe, G. Schulz-Ekloff, D. Wöhrle, M. Ehrl, C. Bräuchle, „Faujasite-hosted methylene blue: synthesis, optical spectra and spectral hole burning“, in: Zeolite, Chemistry and Physics (P.A. Jacobs et al. - eds. -), Elsevier Sci. Pub., Amsterdam, 1991, S. 199-206.
143. H. Yanagi, M. Wada, Y. Ueda, M. Ashida, D. Wöhrle, „Structure and photoelectrochemical properties of thin films of polymeric phthalocyanines from bridged diphtalonitriles“, Makromol. Chem., 193, 1903-1911 (1992)..
142. G. Schulz-Ekloff, D. Wöhrle, A. Andreev, „Trägerschutzte Phthalocyanine für die Oxidation von Mercaptanen: Einfluß der Katalysatorverteilung“, DECHEMA - Monographien Band 122, VCH-Ver-lagsgesellschaft, S. 205-217 (1991).

141. H. Yanagi, S. Douko, Y. Ueda, M. Ashida, D. Wöhrle, „Improvement of photochemical properties of chloroaluminium phthalocyanine thin films by controlled crystallization and molecular orientation“, *J. Phys. Chem.*, 96, 1366 - 1372 (1992)
140. M. Kaneko, D. Wöhrle, „Novel photogalvanic effect of the viologen cation radical formed electrochemically in the presence of oxygen“, *J. Electroanal. Chem.*, 307, 209-215 (1991).
139. D. Wöhrle, G. Schnurpfeil, G. Knothe, „Efficient Synthesis of Phthalocyanines and Related Macrocyclic Compounds in the Presence of Organic Bases“, *Dyes and Pigments*, 18, 91 - 102 (1992).
138. M.A. Mohammad, P. Ottenbreit, W. Prass, G. Schnurpfeil, D. Wöhrle, „Mono- and Multilayer prepared from Phthalocyanine Derivatives containing polar and cationic Substituents“, *Thin Solid Films*, 213, 285 - 294 (1992).
137. T. Buck, D. Wöhrle, G. Schulz-Ekloff, A. Andreev, „Structure and Mercaptan Activity of Cobalt(II)-phthalocyanines Covalently bonded to Silica of Low Surface Area“, *J. Mol. Catal.*, 70, 259-268 (1991).
136. D. Schlettwein, N.I. Jaeger, D. Wöhrle, „Photoelectrochemical Investigations of Molecular Semiconductors: Characterization of the Conduction Type of Various Substituted Porphyrins“, *Ber. Bunsenges. Phys. Chem.*, 95, 1526-1530 (1991).
135. D. Wöhrle, „Porphyrins, Phthalocyanines and Naphthalocyanines for Various Processes of Visible Light Driven Reactions“, *Chimia*, 45, 307-310 (1991).
134. D. Wöhrle, „Wasserstoff als Energieträger - eine Replik“, *Nachr. Chem. Techn. Lab.*, 39, 1256 -1262 (1991).
133. D. Wöhrle, „Energieumwandlung mit sichtbarem Licht/Solarenergie“, *Praxis (Chemie)*, 40 (4), 10-16 (1991).
132. D. Wöhrle, T. Buck, G. Schneider, G. Schulz-Ekloff, H. Fischer, „Low molecular weight, polymeric and covalently bound Co(II)-phthalocyanines for the oxidation of mercaptanes“, *J. Inorg. Organomet. Polym.*, 1, 115-129 (1991).
131. D. Wöhrle, M. Paliuras, I. Okura, „Polymeric bound porphyrins and their precursors, 10, Syntheses and photoredox properties of water-soluble polymers with covalently bound zinc tetraphenylporphyrin“, *Makromol. Chem.*, 192, 819-832 (1991).
130. I. Iliev, A. Andreev, D. Wöhrle, G. Schulz-Ekloff, „Additive Mediated Stable Dispersions of Charcoal Supported Cobalt(II)-tetraphenoxypthalocyanine for the oxidation of Mercaptans“, *J. Mol. Catal.*, 66, L5-9 (1991).
129. G. Schulz-Ekloff, D. Wöhrle, A. Andreev, „Supported Phthalocyanines for the Oxidation of Mercaptans: Influence of Catalyst Dispersion“. *Wiss. Zeitschrift Leuna-Merseburg*, 32, 649-656 (1990).
128. D. Wöhrle, D. Meissner, „Organic Solar Cells“, *Review Article for Advanced Materials*, 3, 129-138 (1991).
127. H. Yanagi, M. Ashida, J. Elbe, D. Wöhrle, „Crystal Growth and Molecular Orientation of Vanadyl-naphthalocyanine in Thin Films“, *J. Phys. Chem.*, 94, 7056-61 (1990).
126. D. Wöhrle, J. Elbe, B. Tennigkeit, *Tagungsband „Energieforschung im Lande Bremen, Bestandsaufnahme, künftige Perspektiven, Handlungsmöglichkeiten“ 30.11.-1.12.1989, Bremen.*

125. D. Wöhrle, „Studie, Zukunftsaussichten der Wasserstofftechnologie auf der Basis regenerativer Energiequellen“, im Auftrag der Landesregierung Bremen, Mai 1989, ca. 300 Seiten.
124. D. Wöhrle, D. Schlettwein, M. Kirschenmann, M. Kaneko, A. Yamada, „The Combination of Phthalocyanines and Polymers for Electrochemically Induced Processes“, *J. Macromol. Sci. Chem.* A27, 1239-1260 (1990)..
123. D. Wöhrle, D. Schlettwein, M. Kaneko, A. Yamada, N.I. Jaeger, „Light-Induced Dioxygen Reduction at Thin Film Electrodes of Various Porphyrins“, *J. Phys. Chem.*, 95, 1748-1755 (1991).
122. D. Wöhrle, N. Iskandar, G. Grasczew, H. Sinn, E.A. Friedrich, W. Maier-Borst, J. Stern, P. Schlag, „Synthesis of Positively charged Phthalocyanines and their Activity in the Photodynamic Therapy of Cancer Cells“, *Photochem. Photobiol.*, 51, 351-356 (1990).
121. D. Wöhrle, G. Knothe, „Reactions of 4-Nitrophthalonitrile with Carbonate, Nitrite and Fluoride“, *Synth. Commun.*, 19 (18), 3231-39 (1989).
120. T. Buck, E. Preußner, G. Schulz-Ekloff, D. Wöhrle, „Influence of the Metal Type in the Mercaptan Oxidation on Metal Phthalocyanines“, *J. Mol. Catal.*, 53, 217-19 (1989).
119. G. Schulz-Ekloff, D. Wöhrle, V. Iliev, E. Ignatzek, A. Andreev, „Study of the Structure and Redox Activity of NaX Encapsulated Co(II)phthalocyanine“, *Zeolites as Catalysts, Sorbents and Detergent Builders* (H.G. Karge, J. Weitkamp Ed.), Elsevier Sci. Publ., Amsterdam 1989, page 315-325.
118. M. Tausch, D. Wöhrle, „Photokatalyse“, *Praxis Naturwiss.*, 3/38, 37-46 (1989).
117. D. Wöhrle, „Chemische Waffen - Gibt es einen Weg zurück?“, *Informationsdienst Wiss. u. Fried.*, 7, 22-29 (1989).
116. G. Knothe, D. Wöhrle, „Polymeric Phthalocyanines and Their Precursors, 16; A Structure Model for Polymeric Phthalocyanines“, *Makromol. Chem.*, 190, 1573-1586 (1989).
115. D. Wöhrle, D. Meissner, „Die zunehmende Verbreitung eines Massenvernichtungsmittels“, *Nachr. Chem. Tech. Lab.*, 37, 254-263 (1989).
114. D. Wöhrle, D. Schlettwein, N. Jaeger, „Reversible Reduction and Reoxidation of Thin Films of Te-trapyrazinoporphyrazines“, *J. Electrochem. Soc.*, 136, 2882-86 (1989).
113. M. Kirschenmann, D. Wöhrle, W. Vielstich, „Synthesis of tetrakisphenylporphins on carbon supports as catalysts for dioxygen reduction“, *Ber. Bunsenges. Phys. Chem.*, 92, 1403-1406 (1988).
112. D. Wöhrle, „Phthalocyanines in polymer phases“, (in: „Phthalocyanines“, Editor Leznoff, Lever), VCH-Verlag, New York, 1989, S. 55-132.
111. „Polymers with metals and semimetals in the backbone“, D. Wöhrle. 150 pages, in press for „Handbook of polymer synthesis“.
110. M. Kaneko, D. Wöhrle, „Dioxygen Sensitivity of a photoexcited Thin Film of Phthalocyanines Dispersed in Poly(vinylcarbazole)“, *Makromol. Chem.*, 189, 2419-2425 (1988).
109. U. Hündorf, A. Andreev, D. Wöhrle, D. Shopov et al., „Oxidation of ethylmercaptane over cobalt(II)phthalocyanines“, *Proc. VIth Int. Symp. Heterogeneous Catalysis*, Sofia, 1987, 2, 73-78.

108. D. Wöhrle, T. Buck, U. Hündorf, G. Schulz-Ekloff, A. Andreev, „Phthalocyanines on mineralic carriers, 4, Low-molecular-weight and polymeric phthalocyanines on SiO₂, γ -Al₂O₃ and active charcoal as catalysts for the oxidation of 2-mercaptoethanol“. Makromol. Chem., 190, 961-974 (1989).
107. D. Wöhrle, J. Gitzel, „Polymeric bound porphyrines and their precursors, 9, Syntheses of water soluble covalently bound tetraphenylporphyrines and their use in the epoxidation of 2,5-dihydrofuran“, Makromol. Chem., Rapid Commun., 9, 229-235 (1988).
106. D. Wöhrle, B. Schulte, „Polymeric phthalocyanines and Their Precursors, 15, Synthesis of alkyleneoxy bridged polymeric phthalocyanines and their absorption capacities of organic solvents“, Makromol. Chem., 189, 1229-1238 (1988).
105. D. Wöhrle, G. Krawczyk, J. Gitzel, E. Tsuchida, H. Ohno, I. Okura, „Synthesis, redox behaviour, sensitizer activity and oxygen transfer of covalently bound polymeric porphyrines“. J. Makromol. Sci., A 25, 1227-1254.
104. As 103, part 7, Synthesis of water soluble combined moieties of porphins, phthalocyanines and naphthalocyanines covalently bound to a positively charged polymer, Makromol. Chem., 189, 1013-1018 (1988).
103. D. Wöhrle, G. Krawczyk, M. Paliuras, „Polymeric bound porphyrines and their Precursors, 6, Synthesis of water soluble combined moieties of porphins, phthalocyanines and naphthalocyanines covalently bound to negatively charged and uncharged polymers“, Makromol. Chem., 189, 1001-1011 (1988).
102. D. Wöhrle, B. Schulte, „Polymeric phthalocyanines and their precursors, 14, Synthesis and analytical characterization of polymers from oxy and benzoxy-bridged bis(1,2)-benzenedicarbonitriles“, Makromol. Chem., 189, 1167-1187 (1988).
101. D. Wöhrle, V. Schmidt, „Octabutoxyphthalocyanine, a New Donor“, J. Chem. Soc. Dalton Trans., 1988, 549-551.
100. A. Yamada, D. Wöhrle, V. Schmidt, B. Schumann, „Polymeric Phthalocyanines and Their Precursors, 13, Synthesis, Structure, and Electrochemical Properties of Thin films of Polymeric Phthalocyanines“, Ber. Bunsenges. Phys. Chem., 91, 975-981 (1987).
99. D. Wöhrle, P. Buttner, „Polymeric Schiff Base Chelates and Their Precursors, 10, Symmetrical and Unsymmetrical Tetradentate Chelates Derived from the Reaction of Ketoenols, their Ethers, or 2-Hydroxybenzaldehyde with Diaminomaleonitrile“, J. Chem. Soc., in press.
98. D. Wöhrle, W. J. Westerhaus, „International Scientists Peace Congress, Ways out of the Arms Race, Chemische Waffen“, Nachr. Chem. Tech. Lab. 35, 25-28 (1987).
97. D. Wöhrle, M. Kaneko, „Characteristics of phthalocyanines and their applications to functional materials“, J. Org. Synth. Jap. 1987, 837-849.
96. D. Wöhrle, B. Schumann, V. Schmidt, N. Jaeger, Makromol. Chem., Macromol. Symp. 8, 195-209 (1987).
95. J. Gitzel, H. Ohno, D. Wöhrle, E. Tsuchida, „Reduction of a covalently bound polymeric manganese(III)-porphyrin with sodium dithionite in an aqueous solution“, Makromol. Chem., Rapid Commun. 7, 397-401 (1986).
94. M. Kaneko, D. Wöhrle, „Polymer coated electrodes“, Adv. Polym. Sci., 84, 143-228 (1988).

93. D. Wöhrle, V. Nicolaus, „Synthesis of covalently bound polymeric macrocyclic amines and amides“, *Polymer Bull.*, 15, 185-192 (1986).
92. D. Wöhrle, G. Krawczyk, „Polymeric bound porphyrines and their precursors, 3; „Photoredox properties of combined moieties of porphyrine and phthalocyanine, covalently bound to polystyrene“, *Makromol. Chem.* 187, 2535-2544 (1989).
91. D. Wöhrle, G. Krawczyk, „Polymeric bound porphyrines and their precursors, 2, Solid phase synthesis of a monosubstituted phthalocyanine“, *Polymer Bull.*, 15, 193-200 (1986).
90. J. Gitzel, H. Ohno, D. Wöhrle, E. Tsuchida, „Electron transfer Reaction between metallo-porphyrines covalently bound to polystyrene“, *Polymer*, 27, 1781-87 (1986).
89. H. Meier, W. Albrecht, D. Wöhrle, A. Jahn, „A Correlation of chemical structure to photoconductivity: Octacyano- and octamethoxy-substituted zinc phthalocyanine“, *J. Phys. Chem.* 90, 6349-53 (1986).
88. D. Wöhrle, H. Kaune, B. Schumann, N. Jaeger, „Polymeric phthalocyanines and their precursors, 12, Reversible reduction and reoxidation of thin films of octacyanophthalocyanine in polymer matrices“, *Makromol. Chem.* 187, 2947-56 (1986).
87. D. Wöhrle, G. Knothe, „Polymers from nitriles, 7, Polymerization of fumaronitrile with triethylamine as initiator“, *J. Polymer Sci., Polym. Chem. a*, 26, 2435-2447 (1988).
86. D. Wöhrle, H. Bohlen, K. Blum, „Polymeric Schiff's chelates and their precursors, 9, Synthesis of covalently and coordinatively bound polymeric chelates of poly(4-vinylpyridine) and their dioxygen binding in the solid state“, *Makromol. Chem.* 187, 2081-96 (1986).
85. D. Wöhrle, U. Hündorf, G. Schulz-Ekloff, E. Ignatzek, „Phthalocyanines on Mineral Carriers, 2, Synthesis of Cobalt(II)- and Copper(II)-phthalocyanines, *Z. Naturforsch.*, 41b, 179-84 (1986).
84. H. Ohtani, T. Kobayashi, T. Tanno, A. Yamada, D. Wöhrle, T. Ohno, „Efficient Photoreduction of Methylviologen by Metallophthalocyanine as Sensitizer“, *Photochem. Photobiol.*, 44, 125-130 (1986).
83. D. Wöhrle, U. Marose, R. Knoop, „Synthesis and Analytical Characterization of Polymers from Benzene-1,2,4,5-tetracarbonitrile, *Makromol. Chem.*, 186, 2209-2228 (1985).
82. D. Wöhrle, E. Preußner, „Synthesis and Analytical Characterization of Polymers from Benzene-1,2,4,5-tetracarboxylic Acid Derivatives“, *Makromol. Chem.*, 186, 2189-2207 (1985).
81. D. Wöhrle, U. Hündorf, „Synthesis and Analytical Characterization of some Octasubstituted Phthalocyanines“, *Makromol. Chem.*, 186, 2177-2187 (1985).
80. D. Wöhrle, B. Schumann, N. Jaeger, „Electrochemical Activity of Phthalocyanine Coated Electrodes. Reversible Reduction and Reoxidation of Thin Films of Octacyanophthalocyanine“, *J. Electrochem. Soc.*, 132, 2144-2149 (1985).
79. D. Wöhrle, P. Buttner, „Polymeric Schiff's Base Chelates and Their Precursors, 8, Some Cobalt Chelates as Catalysts for the Isomerization of Quadricyclane to Norbornadiene“, *Polym. Bull*, 13, 57-64 (1985).
78. D. Wöhrle, B. Schulte, „Thermal Stability of Polymeric Phthalocyanines and Their Low Molecular Analogues“, *Makromol. Chem.*, 186, 2229-2245 (1985).

77. D. Wöhrle, J. Gitzel, I. Okura, S. Aono, „Photoredoxproperties of Tetra-2,3-pyridinoporphyrazines“, J. Chem. Soc., Perkin Trans. 2, 1985, 1171-1178.
76. D. Wöhrle, „Phthalocyanin - ein System ungewöhnlicher Struktur und Eigenschaften“, Teil II, Kontakte, 1986, 24-33.
75. D. Wöhrle, G. Meyer, „Phthalocyanin - ein System ungewöhnlicher Struktur und Eigenschaften“, Teil I, Kontakte, 1985, 38-48.
74. D. Wöhrle, M. Kirschenmann, N. Jaeger, „Electrocatalytic Activity of Phthalocyanines in Secondary Lithium Cells“, J. Electrochem. Soc., 132, 1150-1153 (1985).
73. D. Wöhrle, C. Aringer, D. Pohl, H. Bohlen, „Polymeric Schiff's Base Chelates and Their Precursors, 7, Reversible Oxygen Binding and Its Catalytic Activation for the Oxidation of Phenols“, Makromol. Chem., 185, 669-685 (1984).
72. D. Wöhrle, H. Bohlen, G. Meyer, „Polymeric Schiff's Base Chelates and Their Precursors, 6, Copolymerization of Divinylsalens“, Polymer Bull., 11, 151-158 (1984).
71. D. Wöhrle, H. Bohlen, G. Meyer, „Polymeric Schiff's Base Chelates and Their Precursors, 5, Copolymerization of 2-Hydroxy-5-vinylbenzaldehyd and Synthesis of Covalently Polymer Bound Cobalt Chelates“, Polymer Bull., 11, 143-150 (1984).
70. G. Meyer, D. Wöhrle, M. Mohl, G. Schulz-Ekloff, „Synthesis of Faujasite Supported Phthalocyanines of Cobalt, Nickel and Copper“, Zeolites, 4, 30-34 (1984).
69. D. Wöhrle, R. Bannehr, B. Schumann, N. Jaeger, „Synthesis, electrochemical and photoelectrochemical properties of polyphthalocyanine coated electrodes“, J. Mol. Cat., 21, 255-262 (1983).
68. D. Wöhrle, Chemische Kampfstoffe. Synthese, Reaktivität, Kommerzieller Erwerb; Steinweg-Verlag (Braunschweig), 1985.
67. D. Wöhrle, „Naturwissenschaften als familiäre Tradition“, Clausthaler Geologische Abhandlungen, 45 (1986).
66. D. Wöhrle, R. Bannehr, N. Jaeger, B. Schumann, „Polymeric phthalocyanines and their precursors, 4, Optimization of polymer phthalocyanine modified titanium electrodes for electrochemical measurements“, Angew. Makromol. Chem. 117, 103-115 (1983).
65. D. Wöhrle, H. Bohlen, H.W. Rothkopf, „Polymeric Schiff base chelates and their precursors, 4, Synthesis of Schiff base chelates from diaminomaleonitrile and fundamental investigation of their activity for the valence isomerisation of quadricyclane to norbornadiene“, Makromol. Chem. 184, 763-778 (1983).
64. D. Wöhrle, „Polymer Square Planar Metal Chelates for Science and Industry. Synthesis, Properties and Applications“, Adv. Polymer. Sci. 50 (1983). Review-Artikel, ca. 100 Seiten.
63. S. Hüholt, G. Meyer, R. Mösel, A. Schriefer, D. Wöhrle, „Polymerisation of different furanes with Cr(II) surface compounds on silicagel, Polymer Bulletin, 6, 515-520 (1982).
62. D. Wöhrle, H. Aeissen, H. Bohlen, B. Martens, „Polymeric N₂O₂- and N₂O₂-chelates: synthesis and properties“, Preprints IUPAC Straßburg 1, 512-515 (1981).
61. H. Eichholz, D. Wöhrle, „Polymerisation of some nitriles“, Preprints IUPAC, Straßburg 1, 222-225 (1981).
60. T. Tanno, D. Wöhrle, A. Yamada, M. Kaneko, „Process for producing hydrogen with viologen cation radical using metal complexes of macrocyclic polypendate compound as catalyst“, US Pat. No. 4338291 (July 6, 1982).

59. G. Meyer, D. Wöhrle, „Dark conductivities of low molecular and polymer phthalocyanines containing IVa-group elements“, *Material Sciences* 7, 265-270 (1981).
58. T. Tanno, M. Kaneko, A. Yamada, G. Meyer, D. Wöhrle, „Polymeric Metal Chelates and their low molecular weight compounds for use in Solar Energy Conversion“, *Preprints IUPAC Florenz* 4, 103-106 (1980).
57. T. Tanno, D. Wöhrle, M. Kaneko, A. Yamada, *Third Intern. Conf. on Photochemical Conversion and Storage of Solar Energy*, Book 161-164, 1980 „Rapid Photoreduction of Methylviologen sensitized by Metal Phthalocyanines“.
56. H. Aeissen, D. Wöhrle, *Makromol. Chem.*, 182, 2961-2971 (1981), „Polymere Schiff Basen Chelate und ihre Vorstufen, 3, Polymer gebundene N₃O₂-Liganden“.
55. H. Bohlen, B. Martens, D. Wöhrle, *Makromol. Chem., R.C.* 1, 753-758 (1980), „Polymeric Schiff Base Chelates and their Precursors, Part 2, Polymer bound Co(salenes) from 5-vinylsalicylaldehyde and divinylsalene“.
54. A. Yamada, M. Tanno, M. Kaneko, D. Wöhrle, *Jap. Pat. Appl.* 22501/1980, „Process for formation of cation radical of viologens by macrocyclic ligand metal complexes“.
53. D. Wöhrle, *Polymer Bulletin*, 3, 227-232 (1980), „Polymeric Schiff Base Chelates and their Precursors, Part 1, Synthesis of covalently polymer bound Co(salen) through Alkylation of Polystyrene“.
52. R. Bannehr, G. Meyer, D. Wöhrle, *Polymer Bulletin* 2, 841-846 (1980), „Polymer Phthalocyanines and their Precursors, Part 2, The Structure of Polyphthalocyanines“.
51. T. Tanno, D. Wöhrle, M. Kaneko, A. Yamada, *Ber. Bunsenges. Phys. Chem.*, 84, 1032-1034 (1980); „Rapid Photoreduction of Methyl Viologen with Visible Light using Metal-Phthalocyanines as Sensitizers“.
50. R. Bannehr, G. Meyer, D. Wöhrle, N. Jaeger, *Makromol. Chem.*, 182, 2633-2639 (1981); „Polymere Phthalocyanine und ihre Vorstufen, Teil 3, Gasphasensynthese und einführende elektrische und elektrochemische Charakterisierung polymerer Phthalocyanine auf Metallplatten“.
49. D. Tietz, K. Dörffling, D. Wöhrle, I. Erxleben, F. Liemann, *Planta* 147, 168-173 (1979). „Identification by combined gas chromatography-mass spectrometry of phaseic acid and dihydrophaseic acid and characterisation of further abscisic acid metabolites in pea seedlings“.
48. D. Wöhrle, *Monograph about solar energy conversion*, „Use of phthalocyanines and porphines for light energy conversion“.
47. D. Wöhrle, G. Meyer, *Material Science, Japan* 18, 19 (1981) „Organic conductors“ Review article.
46. D. Wöhrle, G. Meyer, B. Wahl, *Makromol. Chem.* 181, 2127-35 (1980), „Polymere Phthalocyanine und ihre Vorstufen, Teil 1, Reaktive oktafunktionelle Phthalocyanine aus 1,2,4,5-Tetracyanbenzol“.
45. D. Wöhrle, B. Wahl, *Tetrahedron Letters* 1979, 227-8 „Oktafunktionelle Phthalocyanine aus 1,2,4,5-Tetracyanbenzol“.
44. G. Helling, D. Wöhrle, *Chemikerzeitung* 102, 226 (1978), „Polymerisation einiger Nitrile (im Vergleich zu Vinyl- und Äthinyilverbindungen“.

43. H.-J. Breunig, D. Wöhrle, Makromol. Chem. 179, 1653 (1978), „Polymerisation von Tetrahydrofuran mit Tris(trimethylsilyl)-stibin und Pentacarbonyl(tetrahydrofuran)wolfram“.
42. G. Meyer, P. Plieninger, D. Wöhrle, Angew. Makromol. Chem. 72, 173-84 (1978), „Polymere mit dem Zentralatom eines Makrocyclus in der Hauptkette, Teil 4, Kovalenter Einbau von Aluminium-, Silizium-, und Germaniumkomplexen des Phthalocyanins in Polyester“.
41. H.-J. Uth, D. Wöhrle, Bremer Briefe zur Chemie 2, 1, 5-29 (1978), „Zum Einfluß von Elektronenakzeptoren auf die elektrische Leitfähigkeit des Phthalocyanins, 2, Dotierung polymorpher Formen, metallhaltiger und substituierter Phthalocyanine“.
40. G. Holzmann, H.-W. Rothkopf, D. Wöhrle, Org. Mass Spekt. 13, 371-8 (1978), „Umlagerungen und Ortho-Effekte von Schiff'schen Basen, 1“.
39. G. Meyer, D. Wöhrle, Z. f. Naturforsch. 32b, 723-725 (1977), „Niedermolekulare und polymere Ätioporphyringermanium(IV)-Komplexe“.
38. R. Müller, D. Wöhrle, Makromol. Chem. 179, 2161-2172 (1978), „Tetraaza-14-annulene und ihre Vorstufen, Teil 3, Katalyse und Halbleitereigenschaften“.
37. D. Wöhrle, H.-J. Uth, Bremer Briefe zur Chemie 1 (2/3) 23-50 (1977), „Zum Einfluß von Elektronenakzeptoren auf die elektrische Leitfähigkeit des Phthalocyanins, 1, Dotierung des metallfreien β -Phthalocyanins“.
36. G. Helling, D. Wöhrle, Makromol. Chem. 179, 101-108 (1978), „Polymere aus Nitrilen, 6, Anionische Polymerisation von Fumaronitril, Isomerisierung zu Maleonitril“.
35. G. Helling, D. Wöhrle, Makromol. Chem. 179, 87-99 (1978), „Polymere aus Nitrilen, 5, Anionische Polymerisation von Fumaronitril“.
34. H.W. Rothkopf, D. Wöhrle, Patentanm. P 26 11 697.2 (1977), „Azomethin-Metallkomplexfarbstoffe“, 17 Seiten.
33. R. Müller, D. Wöhrle, Makromol. Chem. 177, 2241-58 (1976): „Tetraaza-14-annulene und ihre Vorstufen, Teil 2, Bicyclische und polymere Verbindungen“.
32. G. Meyer, M. Hartmann, D. Wöhrle, Makromol. Chem. 176, 1919-1927 (1975): „Polymere mit dem Zentralatom eines Makrocyclus in der Hauptkette, Teil 3“.
31. R. Müller, D. Wöhrle, Makromol. Chem. 176, 2775-95 (1975): „Tetraaza-14-annulene und ihre Vorstufen, Teil 1, Niedermolekulare Modellverbindungen“.
30. G. Holzmann, H.W. Rothkopf, R. Müller, D. Wöhrle, Org. Mass.-Spectr. 10, 97-115 (1975): „Massenspektren heteroaromatischer Nitrile“.
29. H.W. Rothkopf, D. Wöhrle, R. Müller, G. Koßmehl, Chem. Ber. 108, 875-886 (1975): „Di- und Te-tracyaninpyrazine“.
28. B. Wahl, D. Wöhrle, Makromol. Chem. 176, 849-858 (1975): „Über Poly-s- und Poly-as-triazine“.
27. G. Helling, D. Wöhrle, Patentanmeldung P 2420 466.8, „Katalytisches Verfahren zum Isomerisieren von Fumarsäuredinitril zu Maleinsäuredinitril“.
26. M. Hartmann, G. Meyer, D. Wöhrle, Makromol. Chem. 176, 831-847 (1975): „Polymere mit dem Zentralatom eines Makrocyclus in der Hauptkette, Teil 2“.
25. G. Meyer, D. Wöhrle, Makromol. Chem. 175/3, 715-28 (1974): „Polymere mit dem Metallatom eines Makrocyclus in der Hauptkette, Teil 1, Polykondensationsreaktionen mit Phthalocyaninsilizium- und Hemiporphyrzingermaniumverbindungen“.

24. D. Wöhrle, Makromol. Chem. 175, 1751-60 (1974): „Über den Grundkörper der Polynitrile, das Polymethinimin“.
23. D. Wöhrle, Patentanmeldung vom 8.5.1973: 2323 607 „Verfahren zur Modifikation der Eigenschaften von Polymeren durch Bildung von Polycatenanen und Polyrotaxanen in homogener Phase“.
22. D. Wöhrle, J. Gauger, Patentanmeldung P 2255 622.5 vom 8.11.1972: „Verfahren zur Modifikation der Oberflächen von Polymerfilmen, -formstücken, -fasern, -granulaten oder Gelteilchen durch Bildung von Polycatenanen und Polyrotaxanen“.
21. D. Wöhrle, G. Helling, J. Poly. Sci., Symposia 42, 443 (1973): „Unsaturated polymers from aliphatic nitriles“.
20. Patent mit der BASF, 0.7.25420 (1968): „Verwendung von Bis(1,2-dicyanethylen-1,2-dithiolo)metall-Salzen zur Herstellung elektrisch leitender Überzüge auf der Oberfläche von Kunststoffen“.
19. M. Härtel, G. Koßmehl, G. Manecke, W. Wille, D. Wöhrle, G. Zerpner, Angew. Makromol. Chem. 29/30, 307-343 (1973), „Struktur und elektrische Leitfähigkeit von organischen Halbleitern“.
18. D. Wöhrle, Tetrahedron Letters 22(1971) 1969: „Thermische Umwandlung der 1,3,5- Triazine in Polynitrile“.
17. D. Wöhrle, Angew. Chem. 83 (1971) 941.
16. D. Wöhrle, Makromol. Chem. 161 (1972) 121-137: „Polymere aus Nitrilen, Teil III, Kationische und koordinative Polymerisation“.
15. D. Wöhrle, Makromol. Chem. 160 (1972) 99-111: „Polymere aus Nitrilen, Teil II, Einige Polykondensationsreaktionen“.
14. D. Wöhrle, Makromol. Chem. 160 (1972) 83-98: „Polymere aus Nitrilen, Teil I, Anionische Polymerisation“.
13. D. Wöhrle, Chem. Ing. Techn. 44 (1972) 436.
12. D. Wöhrle, G. Koßmehl u. G. Manecke, Makromol. Chem. 154 (1972) 111-120: „Synthesen, Thermostabilität und elektrische Eigenschaften von tiefgefärbten Polymeren mit annelierten phthalocyanartigen Systemen“.
11. D. Wöhrle, Makromol. Chem. 138 (1970) 282-287: „Über die Polymerisation einfacher Nitrile“.
10. G. Manecke u. D. Wöhrle, Makromol. Chem. 140 (1970) 137-147: „Synthese von Dimercaptomaleinsäuren und deren Umsetzung zu Metallkoordinationspolymeren mit Halbleitereigenschaften“.
9. G. Manecke u. D. Wöhrle, Angew. Chem. 81 (1969) 949.
8. G. Manecke u. D. Wöhrle, Angew. Chem. 79 (1967) 1024.
7. G. Manecke, D. Wöhrle u. G. Koßmehl, J. Polymer Sci. C 22 (1968) 463-475: „Über einige makromolekulare Halbleiter mit Porphyrazinstruktur“.
6. G. Manecke, und D. Wöhrle, Makromol. Chem. 120 (1968) 192-209: „Polymere mit hemiporphyrizinartiger Struktur“.
5. G. Manecke u. D. Wöhrle, Makromol. Chem. 120 (1968) 176-191: „Polymere mit phthalocyaninartiger und triazinartiger Struktur“.

4. G. Manecke u. D. Wöhrle, Makromol. Chem. 116 (1967), 36-61: „Monomere Dithiolat-Komplexe mit vier Nitrilgruppen“.
3. G. Manecke u. D. Wöhrle, Makromol. Chem. 102 (1967), 1-23: „Synthese und Halbleitereigenschaften von Polychelaten und einigen Salzen aus Tetracyanverbindungen und Metallacetylacetonaten“.
2. G. Manecke, D. Wöhrle, Experimente in Polymer Chemistry, 1973, (Jap. Verlag): „Koordinationspolymere“.
1. D. Wöhrle, Advances in Polymer Science 10 (1972): 35, „Polymere aus Nitrilen“.