

Bücher

- Adler, H.-J. et. al.
React 2007
Macromolecular Symposia 254
Wiley-VCH, 2007
- Adler, H.-J. et. al.
React 2003
Macromolecular Symposia 210
Wiley-VCH, 2004
- Adler, H.-J.; Potje-Kamloth, K.:
Quo Vadis – Coatings
Macromolecular Symposia 187
Wiley-VCH, 2002
- Voit, B.; Adler, H.-J.; Böhm, F. (Eds.)
Synthesis of Defined Polymer Architectures
Macromol. Sym. Bd. 177, 2002
- Kuckling, D.; Adler, H.-J. P.; Arndt, K.-F.:
Hydrogel Formation via Photocrosslinking in Polymer Gels: Fundamentals and
Application,
ACS Symposium Series 833, 2002, 312-324
- Adler, H.-J.; Arndt, K.-F.; Kuckling, D.; Stamm, M.; Voit, B.; Wolff, Th.:
Reactive polymers
Macromol. Sym. Bd. 164, 2001
- Kuckling, D.; Adler, H.-J. P.; Arndt, K.-F.:
Photopatternable Sensitive Polymer Layers
in Polymerwerkstoffe 2000, Tagungsband 2000, 121-124
- Adler, H.-J. P.; Arndt, K.-F.:
Polymer Sorption Phenomena
Macromol. Symp. Bd. 145, 1999
- Adler, H.-J. P.; Kuckling, D.; Jung, J.C. (Erlangen):
Advanced Polymeric Materials
Macromol. Symp. Bd. 142, 1999
- Adler, H.-J. P.
Römpp, Lexikon
Lacke und Druckfarben, Kapitel: Wasserlacke
George – Thieme – Verlag, Stuttgart – New York, 1998

Zeitschriftenartikel

2016

- Nebhani, L.; Choudhary, V.; Adler, H.-J. P. and Kuckling, D.:
pH- and Metal Ion- Sensitive Hydrogels based on N-[2-
(dimethylaminoethyl)acrylamide]
Polymers 2016, 8, 233; doi:10.3390/polym8060233

2014

- Sudha, J. D.; Neethu, K. S.; Renjith S.; Adler, H.-J. P. and Pich, A.:
Water dispersible electrically conductive poly(3,4-ethylenedioxythiophene)
nanospindles by liquid crystalline template assisted polymerization
J. Mater. Chem. C, 2014, 2, 6991–7000

2011

- Sudha, J. D., Pich, A., Reena, V. L., Sivakalaa, S. and Adler, H.-J. P.:
Water-dispersible multifunctional polyaniline-laponite-keggin iron nanocomposites
through a template approach
J. Mater. Chem. (2011), DOI: 10.1039/c1jm13494a
- Schachschal, S.; Adler, H.-J.; Pich, A.; Wetzel, S.; Matura, A.; van Pee, K.-H.:
Encapsulation of enzymes in microgels by polymerization/cross-linking in aqueous
droplets
Colloid Polym Sci (2011) 289:693–698 DOI 10.1007/s00396-011-2392-1
- Schachschal, S., Adler, H.-J. P., Pich, Wenzel, A. S., Matura, A., van Pee, K.-H.:
Synthesis and characterisation of particles consisting of a biodegradable poly(L-
lactide)core and a functional hydrophilic shell.
Colloid Polym.Sci.(2011), 289:693-698

2010

- Kipping, M. Döring, A. Kuckling, D. Krahl, F., Adler, H.-J. P.:
Encapsulation of enzymes in microgels by polymerization/cross-linking in aqueous
droplets.
European Polymer Journal 46 (2010) 313-323
- Mendrek, S.; Mendrek, A.; Adler, H.-J.; Dworak, A.; Kuckling, D.:
Temperature Sensitive Behaviour of Poly(glycidol)-b-Poly(N-isopropylacrylamide)
Block Copolymers
Colloid Polym. Sci. 2010, 288, 777-786
- Mendrek, A.; Mendrek, S.; Adler, H.-J.; Dworak, A.; Kuckling, D.:
Amphiphilic behaviour of poly(glycidol)-based macromonomers and its influence on
homo-polymerisation in water and in water/benzene mixture
Polymer 2010, 51, 342–354
- Berger, S.; Singh, R.; Sudha, J.D.; Adler, H.-J. P.; Pich, A.:
Microgel/clay nanohybrids as responsive scavenger systems.
Polymer 51 (2010) 3829-3835
- Türke, A., Fischer, W.-J., Adler, H.-J., Pich, A.:
Microwave-assisted synthesis of hybrid colloids for design of conducting films.
Polymer 51 (2010) 4706-12
- Mendrek, A. Mendrek, S. Adler H.-J-P., Dworak, A., Kuckling, D.:
Amphiphilic behavior of poly(glycidol)-based macromonomers and its influence on
homo-polymerisation in water and in water/benzene mixture.
Polymer 51 (2010) 342-354

2009

- Mendrek, S.; Mendrek, A.; Adler, H.-J.; Dworak, A.; Kuckling, D.:
Synthesis and Characterization of pH Sensitive Poly(glycidol)-b-poly(4-vinylpyridine)

Block Copolymers

J. Polym. Sci., Part A: Polym. Chem. 2009, 47, 1782-1794

- Mendrek, S.; Mendrek, A.; Adler, H.-J.; Dworak, A.; Kuckling, D.: Preparation of Temperature-Sensitive Core-Shell Poly(glycidol)/Poly(N-isopropylacrylamide) Nanohydrogels under Surfactant-Free Conditions *Macromolecules* 2009, 42, 9161-9169

2008

- Dai, T.-H.; Yu, H.; Zhang, Kai; Zhu, M.-F.; Chen, Y.-M.; Adler, H.-J.: Fabrication Novel Thermal Crosslinked Ultrathin Fibres via Electrospinning *J. Appl. Polym. Sc.*, Vol. 107, 2142-2149 (2008)
- Singh, D.; Kuckling, D.; Koul, V.; Choudhary, V.; Adler, H.-J.; Dinda, A.K.: Studies on copolymerization of N-isopropylacrylamide with poly(ethylene glycol) methacrylate *Eur. Polym. J.* 2008, 44, 2962–2970.
- Richter, A., Paschew, G., Klatt, S., Lienig, J., Arndt, KF. Adler, H.-J.P.: Review on Hydrogel-Based pH-Sensors and Microsensors *Sensors*, Vol.8, 2008,561-581
- Lu, Y.; Pich, A.; Adler, H.-J. P.; Wang, G.; Rais, D.; Nešpůrek, S.: Composite polypyrrole-containing particles and electrical properties of thin films prepared therefrom *Polymer* 49 (2008) 5002–5012
- Hain, J.; Pich, A.; Adler, H.-J. P.; Rais, D.; Nešpůrek, S.: Electric Conductance of Films Prepared from Polymeric Composite Nanoparticles *Macromol. Symp.* 2008, 268, 61–65
- Schachschal, S.; Pich, A.; Adler, H.-J.: Growth of Hydroxyapatite Nanocrystals in Aqueous Microgels *Progr Colloid Polym Sci* (2008) 134: 141–148
- Schachschal, S.; Pich, A.; Adler, H.-J.: Aqueous Microgels for the Growth of Hydroxyapatite Nanocrystals *Langmuir*, 2008, 24 (9), pp 5129–5134
- Jaehne, E.; Oberoi, S.; Adler, H.-J.P.: Ultra thin layers as new concepts for corrosion inhibition and adhesion promotion *Progress in Organic Coatings*, 61, 2008, 211-223
- Oberoi, S.; Lu, Y.; Busch, G.; Jaehne, E.; Pich, A.; Adler, H.J.P.: Novel Modified Pyrrole Monomers, 2: Behaviour in Water Solutions *Designed Monomers & Polymers*, 11, 2008, 69-82(14)
- Hain, J.; Eckert, F.; Pich, A.; Adler, H.-J. P.: Multi-Sensitive Microgels Filled with Conducting Poly(3,4-ethylenedioxythiophene) Nanorods *Macromol. Rapid Commun.* 2008, 29, 472–478
- Haubner, K.; Jaehne, E.; Adler, H.-J. P.; Koehler, D.; Loppacher, C.; Eng, L.M.; Grenzer, J.; Herasimovich, A.; and Scheinert, S.: Assembly, structure, and performance of an ultra-thin film organic field-effect transistor (OFET) based on substituted oligothiophenes *Phys. Stat. Sol. (a)*, 205, 430-439 (2008)
- Mendrek, S.; Mendrek, A.; Adler, H.-J.; Walach, W.; Dworak, A.; Kuckling, D.: Synthesis of Poly(Glycidol)-block-Poly(N-isopropylacrylamide) Copolymers Using New Hydrophilic Poly(glycidol) Macroinitiator *J. Polym. Sc. A, Polym. Chem.*, 46, 2488-2499 (2008)

2007

- Gnauck, M.; Jähne, E.; Blaettler, T.; Tosatti, S.; Textor, M.; Adler, H.-J.:
Carboxy-Terminated Oligo(ethylene glycol) – Alkane Phosphate: Synthesis and Self-Assembly on Titanium Oxid Surfaces
Langmuir (2007), 23, 377-381
- Kuckling, D.; Mendreck, S.; Adler, H.-J.; Dworak, A.:
Synthesis and Characterisation of Stimuli-Responsive Core-Shell Nanogels
Polym. Mater. Sci. Eng. 2007 accepted
- Loppacher, C.; Zerweck, U.; Koehler, D.; Rodenstein, M.; Jähne, E.; Luther, R.; Adler, H.-J.; Eng, L.M.:
Physical vapour deposition of alkyl phosphonic acids on mica and HOPG investigated by NC_AFM
Nanotechnology 18 (2007) 084003 (5pp)
- Pich, A. Z. ; Adler, H.-J. P.:
Composite aqueous microgels: an overview of recent advances in synthesis, characterization and application
Polym Int 56, 291-307 (2007)- Review
- Gupta, Smrati; Kuckling, D.; Kretschmer, K.; Choudhary, V.; Adler, H.-J.:
Synthesis and Characterization of Stimuli-Sensitive Micro- and Nanohydrogels Based on Photocrosslinkable Poly(dimethylaminoethyl methacrylate)
J. Polym. Sci. Part A: Polym. Chem.: Vol. 45 (2007), 669-679
- Demidenok, K.; Bocharova, V.; Stamm, M.; Jähne, E.; Adler, H.-J. P.; Kiriy, A.:
One-Dimensional SAMs of (12-Pyrrol-1-yl-dodecyl)-phosphonic Acid Templated by Polyelectrolyte Molecules
Langmuir, web release date: August 1, 2007
- Hain, J.; Pich, A.; Adler, H.-J. P.:
Composite Particles: Design of Hybrid Materials on the Nano-Scale
Macromol. Symp. 2007, 254, 128-135
- Xin, G.; Sun, B.; Wang, W.; Zhu, L.; Wu, W.; Zhu, M.; Chen, Y.; Adler, H.-J. P.:
In-Situ Formation of BHET/Titanium Compound Nanocomposite and its Catalysis for Polyester
Macromol. Symp. 2007, 254, 173-179
- Lushtinetz, R.; Seifert, G.; Jaehne, E.; Adler, H.-J. P.:
Infrared Spectra of Alkylphosphonic Acid Bound to Aluminium Surfaces
Macromol. Symp. 2007, 254, 248-253
- Oberoi, S.; Jaehne, E.; Adler, H.-J. P.:
Synthesis of Specially Designed Adhesion Promoter for Grafting Polypyrrole
Macromol. Symp. 2007, 254, 284-291
- Kamenova, I.; Kuckling, D.; Georgiev, G.; Adler, H.-J. P.:
Controlled Thermosensitivity of the Poly(N-isopropyl-acrylamide-co-N,N'-dimethyl(methacryloyloxyethyl)-ammonium propane sulfonate) Hydrogels
Macromol. Symp. 2007, 254, 329-337
- Liu, Y.; Zhu, M.; Liu, X.; Jiang, Y.M.; Ma, Y.; Qin, Z.Y.; Kuckling, D.; Adler, H.-J. P.:
Mechanical Properties and Phase Transition of High Clay Content Clay/Poly(N-isopropylamide) Nanocomposite Hydrogel
Macromol. Symp. 2007, 254, 353-360
- Seifert, D.; Kipping, M.; Adler, H.-J. P.; Kuckling, D.:
A Study of Simple RAFT Transfer Agents for the Polymerization of (Meth-)acrylates

and Acrylamides

Macromol. Symp. 2007, 254, 386-391

- Dedicated to Prof. Adler on the occasion of his 65th birthday
Dimitrov, I. ; Trzebicka, B.; Müller, A. H. E.; Dworak, A.; Tsvetanov, C. B.:
Thermosensitive water-soluble copolymers with doubly responsive reversibly
interacting entities
Prog. Polym. Sci., Vol 32, 11, November 2007, 1275-1343
- Plagge, A.; Adler, H.-J.; Rohwerder, M.; Stratmann, M.:
Deposition of functional cellulose films on titanium alloy surfaces
Thin Solid Films 2007
- Plagge, A.; Adler, H.-J.; Jähne, E.; Paliwoda, G.; Rohwerder, M., Stratmann, M.;
Eichhorn, K.-J.:
Single and Double Polymer Layer Arrangements of Acid Groups Containing Cellulose
and Basic Groups Containing Polyethyleneimine on Steel
Macromol Mat and Engineering, 2007, 292, 1245-1255
- Richter, A.; Paschew, G.; Klatt, S.; Lienig, J.; Arndt, K.-F.; Adler, H.-J.:
Review on hydrogel-based pH sensors and microsensors
Sensors 2007, 7

2006

- Kuckling, D.; Vo, C.D.; Adler, H.-J. P.; Völkel, A.; Cölfen, H.:
Preparation and Characterisation of Photo-Cross-Linked Thermosensitive PNIPAAm
Nanogels
Macromolecules 2006, 39, 1585-1591
- Pich, A.; Schiemenz, N.; Boyko, V.; Adler, H.-J.:
Thermoreversible gelation of biodegradable polyester (PHBV) in toluene
Polymer 47 (2006) 553-560
- Pich, A.; Schiemenz, N.; Corten, C.; Adler, H.-J.:
Preparation of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV) particles in
O/W emulsion
Polymer 47 (2006) 1912-1920
- Pich, A.; Karak, A.; Lu, Y.; Ghosh, A.K.; Adler, H.-J.:
Preparation of Hybrid Microgels Functionalized by Silver nanoparticles
Macromol. Rapid Commun. 2006, 27, 344-350
- Pich, A.; Bhattacharya, S.; Adler, H.-J.; Wage, T.; Taubenberger, A.; Li, Z.; van Pée,
K.-H.; Böhmer, U.; Bley, T:
Composite magnetic Particles as Carriers for Laccase from *Trametes versicolor*
Macromol. Biosci. (2006), 6, 301-310
- Singh, D.; Kuckling, D.; Choudhary, V.; Adler, H.-J.; Koul, V.:
Synthesis and characterisation of poly(N-isopropylacrylamide) films by
photopolymerisation
Polym. Adv. Technol. 2006; 17; 186-192

2005

- L. V. Vinogradova, V. V. Shamanin, D. Kuckling, H.-J. P. Adler,
"Diblock Copolymers with a Poly(N,N-dimethylacrylamide) Block: Homogeneous
Synthesis by Anionic Polymerization in Pyridine"
Polymer Science, Ser. B 2005, 47, 330-334.

- L. V. Vinogradova, V. V. Shamanin, D. Kuckling, H.-J. P. Adler, "Diblock Copolymers Containing Poly(N,N-dimethyl)- or Poly(N,N-diethylacrylamide) Blocks: Synthesis via Anionic Polymerization in THF" *Polymer Science, Ser. A* 2005, 47, 1230–1238.
- A. Mendrek, S. Mendrek, B. Trzebicka, D. Kuckling, W. Walach, H.-J. Adler, A. Dworak, "Polyether Core-Shell Cylinder–Polymerization of Polyglycidol Macromonomers" *Macromol. Chem. Phys.* 2005, 206, 2018-2026.
- D. Appelhans, M. Smet, G. Khimich, H. Komber, D. Voigt, P. Lhoták, D. Kuckling, B. Voit, "Lysine dendrimers based on thiacalix[4]arene core moieties as molecular scaffolds for supramolecular host systems" *New J. Chem.* 2005, 29, 1386-1389.
- G. Bringmann, T. A. M. Gulder, K. Maksimenka, D. Kuckling, W. Tochtermann, "A borderline case between meso and stable C1: an axially chiral, yet configurationally semi-stable biphenyl with two oppositely configured [10]paracyclophane portions" *Tetrahedron* 2005, 61, 7241-7246.
- L. Vinogradova, L. Fedorova, H.-J. P. Adler, D. Seifert, D. Kuckling, "Diblock Copolymer Formation from N,N-Dialkylacrylamides by Anionic Polymerization" *Macromol. Chem. Phys.* 2005, 206, 1126-1133.
- D. Appelhans, C.-F. Huang, H. Komber, R. Kirchner, J. Seidel, D. Voigt, D. Kuckling, B. Voit, F.-C. Chang "Synthesis and characterization of polypeptide-shelled poly(propylene imine) dendrimers and their complexing properties towards Cu(II) ions" *Macromol. Rapid Commun.* 2005, 26, 586-591.
- Vinogradova, L.V.; Ratnikova, O.V.; Butorina, E.A.; Adler, H.-J.P.: Grafting of Fullerene C60 by Poly(2-vinylpyridine) Chains in Anionic Polymerisation Processes *Polymer Science, ser.A. Vol. 47, No. 9, 2005, 920-927*
- Vinogradova, L.V.,;; Adler, H.-J.: (russ.) "Графтирование Фуллерена C60 Цепями Поли-2-Винилпиридина В Процессах Анионной Полимеризации" *Vysokomol. Coed. A, 2005, 47, Nr. 9, 1-9*
- Pich, A.; Hain, J.; Lu, Y.; Boyko, V.; Prots, Y.; Adler, H.-J.: Hybrid Microgels with ZnS Inclusions *Macromolecules* 2005, 38, 6610-6619
- Vinogradova, L.; Federova, L.; Adler, H.-J. P.; Kuckling, D.; Seifert, D.; Tsvetanov, C.B.: Controlled Anionic Block Copolymerization with N,N-Dialkylacrylamide as a Second Block *Macromol. Chem. Phys.* 2005, 206, 1126-1133
- Chen, W.; Zhu, M.; Song, S.; Sun, B.; Chen, Y.: Morphological Characterisation of PMMA/PAN Composite Partikles in Nano to Submicro Size *Macromolecules* 2005 in press
- Xing, Q.; Wang, Y.; Zhu, M.; Chen, Y.; Zhang, Yu; Pionteck, J.; Adler, H.-J.: In situ gradient nano-scale fibril formation during polypropylene (PP)/polystyrene (PS) composite fine fiber processing *Polymer* 46 (2005) 5406-5416

- Richter, S.; Ploetner, M.; Fischer, W.-J.; Schneider, M.; Nguyen, P.-T.; Plith, W.; Kiriya, N.; Adler, H.-J. P.:
Development of organic thin film transistors based on flexible substrates
Thin Solid Films 477 (2005) 140-147
- Musyanovych, A.; Adler, H.-J. P.:
Grafting of Amino Functional Monomer onto Initiator-Modified Polystyrene Particles
Langmuir 2005, 21, 2209-2217
- Pich, A.; Datta, S.; Musyanovych, A.; Adler, H.-J. P.; Engelbrecht, L.:
Polymeric particles prepared with fluorinated surfmer
Polymer 46 (2005) 1323 - 1330
- Pich, A.; Bhattacharya, S.; Adler, H.-J. P.:
Composite magnetic particles: 1. Deposition of magnetite by heterocoagulation method
Polymer 46 (2005) 1077-1086
- Lukaszczuk, J.; Smiga, M.; Jaszcz, K.; Adler, H.-J.; Jähne, E.; Kaczmarek, M.:
Evaluation of Oligo(ethylene glycol) Dimethacrylates Effects on the Properties of New Biodegradable Bone Cement Compositions
Macromol. Biosci. 2005, 5, 64-69
- Nguyen, P.T.; Rammelt, U.; Plith, W.; Richter, S.; Plötner, M.; Fischer, W.-J.; Potje-Kamloth, K.; Adler, H.-J.P.
Experiments with organic field effect transistors based on polythiophene and thiophene oligomers
Electrochimica Acta 50 (2005) 1757 - 1763

2004

- T. Krause, M. Gruner, D. Kuckling, W. D. Habicher,
"Novel starshaped initiators for the controlled radical polymerization based on resorcin[4]- and pyrogallol[4]arenes"
Tetrahedron Lett. 2004, 45, 9635-9639.
- R. Reichelt, T. Schmidt, D. Kuckling, K.-F. Arndt,
"Structural Characterization of Temperature-sensitive Hydrogels by Field Emission Scanning Electron Microscopy (FESEM)"
Macromol. Symp. 2004, 210, 501-512.
- A. Richter, S. Howitz, D. Kuckling, K. Kretschmer, K.-F. Arndt,
"Automatically and Electronically Controllable Hydrogel Based Valves and Microvalves-Design and Operating Performance"
Macromol. Symp. 2004, 210, 447-456.
- D. Kuckling, T. Schmidt, G. Filipcsei, H.-J. P. Adler, K.-F. Arndt,
"Preparation of Filled Temperature-Sensitive Poly(N-isopropylacrylamide) Gel Beads"
Macromol. Symp. 2004, 210, 369-376.
- D. Kuckling, K. Kretschmer, C. D. Vo
"Swelling Behavior of Thin Temperature-Responsive Block Copolymer Films"
Polym. Mater. Sci. Eng. 2004, 90, 358-359.
- K.-F. Arndt, T. Schmidt, A. Richter, D. Kuckling,
"High Responsive Smart Gels: Synthesis and Application"
Macromol. Symp. 2004, 207, 257-268.
- A. Richter, K.-F. Arndt, S. Howitz, Dirk Kuckling,
"Influence of Volume Phase Transition Phenomena on the Behavior of Hydrogel

Based Valves”

Sens. Actuators. B, Chemical 2004, 99, 451-458.

- Kiriya N., Kiriya A., Bocharova V., Stamm M., Richter S., Plötner M., Fischer W.-J., C. Krebs F.C., Senkowska I, Adler H.-J.P.
Conformation, Molecular Packing, and Field-Effect Mobility of Regioregular β,β' -Dihexylsexithiophene,
Chem. Mater. 2004, ASAP
- Kiriya N., Jähne, E., Kiriya, A., Adler, H.-J.P.,
Conformational Transitions and Aggregations of Regioregular Polyalkylthiophenes
Macromol. Symp. 2004, 210, 359-367
- Kiriya N., Bocharova V., Kiriya A., Stamm M., C. Krebs F, Adler H.-J.P.
Designing Thiophene-Based Azomethine Oligomers with Tailored Properties: Self-Assembly and Charge Carrier Mobility
Chem. Mater. 2004, ASAP
- Cai, X.; Jähne, E.; Adler, H.-J.
Pyrrole-Substituted Alkyl Silanes as New Adhesion Promoters on Oxide Substrates,
Macromol. Symp. 210, 2004, 131
- Adolphi, B.; Jähne, E.; Cai, X., Busch, G.
“Characterisation of the Adsorption of ω -(Thiophen-3-yl alkyl) phosphonic acids on Metal Oxides with AR-XPS”
Anal Bioanal. Chem. 2004, 379, 653-657
- Cretu, A.; Kuckling, D.; Adler, H.-J.:
“Hydrophilic – Hydrophobic polymers Based on Poly(L-lactide) and Poly(2-Hydroxyethyl Methacrylate)”
Materials Science Forum Vols. 455-456 (2004) 425-428
- Müller, M.; Reihls, T.; Kessler, B.; Adler, H.-J., Lunkwitz,
K.Multilayers Consisting of Oriented Charge α -Helical Polypeptides
Macromol. Symp. 2004, 211, 217-233
- Lu Y., Pich A., Adler H.-J.P.:
Synthesis and Characterization of Polypyrrole Dispersions Prepared with Different Dopants
Macromol. Symp., 210 (2004) 411-417
- Pich, A.; Lu, Y.; Boyko, V.; Richter, S.; Arndt, K.-F.; Adler, H.-J.:
Thermo-sensitive poly(N-vinylcaprolactam-co-acetoacetoxyethyl methacrylate) microgels: 3 – Incorporation of polypyrrole by selective microgel swelling in ethanol-water mixtures
Polymer, 2004, 45 1079 - 87

2003

- Z. Wang, D. Kuckling, D. Johannsmann,
“Temperature-Induced Swelling and De-Swelling of Thin Poly(N-Isopropylacrylamide) Gels in Water: Combined Acoustic and Optical Measurements”
Soft Materials 2003, 1, 353-364.
- M. Harmon, D. Kuckling, C. W. Frank,
“Photo Cross-linkable PNIPAAm Copolymers 5. Mechanical Properties of Hydrogel Layers”
Langmuir 2003, 19, 10660-10665.
- M. E. Harmon, D. Kuckling, P. Pareek, C. W. Frank,
“Photo Cross-linkable PNIPAAm Copolymers 4. Effects of Copolymerization and

Crosslinking on the Volume Phase Transition in Constrained Hydrogel Layers”
Langmuir 2003, 19, 10947-10956.

- A. Richter, D. Kuckling, S. Howitz, T. Gehring, K.-F. Arndt,
”Electronically controllable microvalves based on smart hydrogels: magnitudes and potential applications”
JMEMS 2003, 12, 748-753.
- W. Tochtermann, D. Kuckling, C. Meints, J. Kraus, G. Bringmann,
“Bridged bioxepins and bi[10]paracyclophanes – synthesis and absolute configuration of a bi[10]paracyclophane with two chiral planes and one chiral axis“
Tetrahedron 2003, 59, 7791-7801.
- D. Kuckling, J. Hoffmann, M. Plötner, D. Ferse, K. Kretschmer, H.-J. P. Adler, K.-F. Arndt, R. Reichelt,
”Photo Cross-linkable PNIPAAm Copolymers 3: Microfabricated temperature responsive hydrogels“
Polymer 2003, 44, 4455-5562.
- D. Kuckling, P. Pareek,
”Synthesis of a transition metal ion selective PNIPAAm hydrogel by incorporating an azo crown ether”
J. Polym. Sci., Part A: Polym. Chem. 2003, 41, 1594-1602.
- D. Kuckling, A. Richter, K.-F. Arndt,
”Temperature and pH Dependent Swelling Behavior of Poly(N-isopropylacrylamide)-Copolymer Hydrogels and Their Use in Flow Control”
Macromol. Mater. Eng. 2003, 288, 144-151.
- M. E. Harmon, D. Kuckling, C. W. Frank,
”Photo Cross-linkable PNIPAAm Copolymers 2: Effects of Constraint on Temperature and pH-Responsive Hydrogel Layers”
Macromolecules 2003, 36, 162-172.
- A. Cretu, D. Kuckling, H.-J. Adler,
”Hydrophilic-hydrophobic polymers based on poly(L-lactide) and poly(2-hydroxyethyl methacrylate)”
in Advanced Materials Forum II 2003, 425-428.
- D. Kuckling, H.-J. Adler, K.-F. Arndt,
„Hydrogel Formation via Photocrosslinking“
in Polymer Gels, ACS Symposium Series 833, 2003, 312-325.
- Steiner, G.; Sablinskas, V.; Savchuk, O.; Bariseviciute, R.; Jähne, E.; Adler, H.-J.; Salzer, R.:
Characterization of self assembly layers of octadecanephosphonic acid by polarisation modulation FT-IRRA spectroscopy mapping
Journal of Molecular Structure 661-662 (2003) 429-435
- Lu Y., Pich A., Adler H.-J.:
Synthesis and Characterization of Nanometer-sized Polypyrrole Composites
Synthetic Metals, 135-136 (2003) 37-38
- Busch, G.; Jaehne, E.; Cai, X.; Adler, H.-J. P.
Surface Properties of Metal Oxides – From Macro- to Nanoscale
European Cells and Materials 6, 2003, 64
- Musyanovych, A.; Adler, H.-J. P.:
Hydroperoxide-Containing Terpolymers as Inisurfs in Emulsion Polymerisation of Styrene
Langmuir 2003, 19, 9619-9624
- Boyko, V.; Pich, A.; Lu, Y.; Richter, S.; Arndt, K.-F.; Adler, H.-J.:
Thermosensitive poly(N-vinylcaprolactam-co-acetoacetoxyethyl methacrylate)

microgels: 2 – Incorporation of polypyrrole
Polymer, 2003, 44(26) 7651 -7659

- Boyko, V.; Pich, A.; Lu, Y.; Richter, S.; Arndt, K.-F.; Adler, H.-J.:
Thermosensitive poly(N-vinylcaprolactam-co-acetoacetoxyethyl methacrylate)
microgels: 1 – Synthesis and characterisation
Polymer, 2003, 44, (26) 7821-7827
- Kiriya, N.; Jähne, E.; Adler, H.-J.; Schneider, M.; Kiriya, A.; Gorodyska, G.; Minko, S.;
Jehnichen, D.; Simon, P.; Fokin, A.A.; Stamm, M.:
One-Dimensional Aggregation of Regioregular Polyalkylthiophenes
Nano letters (2003) Vol. 3, No.6, 707-712
- Busch, G.; Jaehne, E.; Cai, X.; Oberoi, S.; Adler, H.-J. P.
Ultrathin layers for adhesion promoters
Synthetic Metals 137 (2003) 871-872

2002

- M. Schönhoff, B. Schwarz, A. Larsson, D. Kuckling,
“Dynamics in Polymer Layers investigated by NMR Techniques”
Prog. Coll. Polym. Sci., 2002, 121, 80-87.
- M. Schönhoff, A. Larsson, P. B. Welzel, D. Kuckling,
”Thermoreversible Polymers adsorbed to Colloidal Silica: A ¹H NMR and DSC Study
of the Phase Transition in Confined Geometry”
J. Phys. Chem. B, 2002, 106, 7800-7808.
- D. Kuckling, M. Harmon, C. W. Frank,
“Photo Cross-linkable PNIPAAm Copolymers 1: Synthesis and Characterization of
Constrained Temperature-Responsive Hydrogel Layers”
Macromolecules 2002, 35, 6377-6383.
- M. Harmon, D. Kuckling, C. W. Frank,
“SPR-Investigations of thin hydrogel layers“
Polym. Prepr. 2002, 43, 346-347.
- D. Kuckling, C. D. Vo, S. E. Wohlrab,
“Preparation of Nanogels with Temperature-responsive Core and pH Responsive
Arms by Photocrosslinking”
Langmuir 2002, 18, 4263-4269.
- C. D. Vo, D. Kuckling, H.-J. Adler, M. Schönhoff,
„Preparation of thermosensitive nanogels by photocrosslinking“
Colloid Polym. Sci. 2002, 280, 400-409.
- D. Kuckling, I. G. Ivanova, H.-J. Adler, T. Wolff,
„Photochemical switching of hydrogel film properties“
Polymer 2002, 43, 1813-1820.
- D. Kuckling, S. Wohlrab,
„Synthesis and characterization of multiresponsive graft copolymer gels“
Polymer 2002, 43, 1533-1536.
- Jaehne, E.; Ferse, D.; Busch, G.; Adler, H.-J. P.; Singh, A.; Varma, I. K.:
Synthesis of adhesion promoters for grafting polythiophene onto metal oxides
Designed Monomers and Polymers, Vol. 5. No 4, 427-443 (2002)
- Plagge, A.; Stratmann, M.; Adler, H.-J., Rebhan, M. E.:
Saure Polymere im Korrosionsschutz – Erfolgsstrategien mit neuen Releaseschichten
Farbe & Lack, 108 11/2002, 30-40

- Adler, H.-J. P.; Jaehne, E.; Henke, A.; Lu, Y.; Pich, A.:
Reactive Dispersions for Corrosion Inhibition
Macromol. Symp. 187, 53-63 (2002)
- Pich, A.; Lu, Y.; Adler, H.-J. P.; Schmidt, T.; Arndt, K.-F.:
Dispersion Polymerization of pyrrole in the presence of poly(vinyl methyl ether)
microgels
Polymer 43 (2002) 5723 – 5729
- Bellmann, C.; Klinger, C.; Opfermann, A.; Böhme, F.; Adler, H.-J. P.:
Evaluation of surface modification by electronic measurements
Progress in Organic Coatings 44 (2002) 93-98
- Vo, C. D.; Kuckling, D.; Adler, H.-J. P.; Schönhoff, M.:
Preparation of thermosensitive nanogels by photo-cross-linking
Colloid Polym Sci. 280: 400-409 (2002)
- Jaehne, E.; Kowalik, T.; Adler, H.-J. P.; Plagge, A.; Stratmann, M.:
Ultra-thin Layers of Phosphorylated Cellulose Derivatives on Metal Surface
Macromol. Symp. 177, 97 – 109 (2002)
- Adler, H.-J.; Pich, A.; Henke, A.; Puschke, C.; Voronov, St.:
New Core-Shell Dispersions with Reactive Groups Polymer Colloids,
ACS Symposium Series 801, 276 – 292, Oxford University Press, 2002
- Kuckling, D.; Adler, H.-J. P.; Arndt, K.-F.:
Hydrogel Formation via Photocrosslinking in Polymer Gels: Fundamentals and
Application,
ACS Symposium Series 833, 2002, 312-324.

2001

- S. Wohlrab, D. Kuckling,
„Multisensitive polymers based on 2-vinylpyridine and N-isopropylacrylamide“
J. Polym. Sci., Part. A: Polym. Chem. 2001, 39, 3797-3804.
- A. Larsson, D. Kuckling, M. Schönhoff,
„1H NMR of Thermoreversible Polymers in Solution and at Interfaces: The Influence
of Charged Groups on the Phase Transition“
Colloids Surf. A 2001, 190, 185-192.
- M. Doytcheva, C. Tvetanov, D. Kuckling, H.-J. Adler,
„Ultra Violet Induced Crosslinking of Solid Poly(ethylenoxide)-Poly(2-vinylpyridine)
Blends“
Macromol. Mater. Eng. 2001, 286, 151-155.
- Adler, H.-J.; Jahny, K.; Vogt-Birnbrich, B.:
Polyurethane macromers – new building blocks for acrylic hybrid emulsions with
outstanding performance
Progress in Organic Coatings 43 (2001) 251 – 257
- Jahny, K.; Adler, H.-J.; Moritz, H.-U.:
Kinetics of Aqueous Heterophase Polymerization of Styrene with Polyurethane
Emulsifier
Macromol. Chem. Phys. 2001, 202, 2915 – 2920
- Doytcheva, M.; Stamenova, R.; Tsvetanov, Ch. B.; Adler, H.-J. P.; Kuckling, D.:
Preparation of pH-Sensitive Networks by Ultraviolet Induced Crosslinking of
Poly(ethylene oxide)-Poly(2-vinylpyridine) Blends
Macromol. Mater. Eng. 2001, 286, 151-155

- Meifang, Zhu; Yanmo, Chen; Adler, H.-J.:
Micro PP filament yarns for sportswear
Melliand International, Vol. 7, Nr. 4, 295-296, 2001
- Vinogradova, L.; Federova, L.; Adler, H.-J. P.; Wegner, G.:
Ethylene oxide effect on the polymerisation of tert-butylacrylate and synthesis of
polyether-polyester type block-copolymers
J. Macromol. Sci., Pure and Appl. Chem. A 38, 6, 2001
- Henke, A.; Jaehne, E.; Adler, H.-J. P.:
Surface Modification of Aluminium with Reactive Microgels
Macromol. Symp., April 2001, 164, 1-9
- Ferse, D.; Jaehne, E.; Ramya, K.; Wolter, M.; Adler, H.-J. P.; Varma, I. K.; Plieth, W.:
Adhesion promoters for polythiophene.
Macromol. Symp., April 2001, 164, 133-143
- Zhu, M.; Yan, W.; Lu, Y.; Chen, I. I.Y.; Adler, H.-J. P.; Pötschke, P.; Pionteck, J.:
Modification of PP by blending with PS and reactive polymers.
Macromol. Symp. 164, April 2001, 369-376
- Steiner, G.; Savchuk, O.; Möller, H.; Ferse, D.; Adler, H.-J. P.; Salzer, R.:
Characterisation of ultra-thin polymer films by polarisation modulation FTIR
spectroscopy.
J. Molecular Structure, 563-564, 2001, 273-277
- Pich, A.; Richter, S.; Adler, H.-J. P.; Datsyuk, V.; Voronov, S.:
Functionalization of latex particles surface by using polymeric inisurfs.
Macromol. Symp. 2001, 164, 11-24

2000

- D. Kuckling, H.-J. P. Adler, K.-F. Arndt,
„Photopatternable Sensitive Polymer Layers“
in Polymerwerkstoffe 2000, 2000, 121-124.
- J. Hoffmann, M. Plötner, D. Kuckling, W.-J. Fischer,
„Fotostrukturierung von Hydrogelen für die Herstellung von Mikroaktoren“
in Dresdner Beiträge zur Sensorik, Band 12, Universitätsverlag Dresden 2000, 143-
146.
- I. G. Ivanova, D. Kuckling, H.-J. P. Adler, T. Wolff, K.-F. Arndt,
„Preparation and Properties of Thin Films of Photocrosslinkable Polymers“
Des. Monom. Polym. 2000, 3, 447-462.
- K.-F. Arndt, D. Kuckling, A. Richter,
„Application of Sensitive Hydrogels in Flow Control“
Polym. Adv. Technol. 2000, 11, 496-505.
- M. Knörger, K.-F. Arndt, S. Richter, D. Kuckling, H. Schneider,
„Investigation of Swelling and Diffusion in Polymers by 1H- and 2H-NMR Imaging:
LCP-Networks and Hydrogels“
J. Molec. Structure 2000, 554, 69-79.
- D. Kuckling, I. G. Ivanova, H.-J. P. Adler, K.-F. Arndt, T. Wolff,
„Hydrogel formation via photocrosslinking by dimerization of acridizinium salts“
Polym. Prepr. 2000, 41, 714-715.
- D. Kuckling, H.-J. P. Adler, L. Ling, W. D. Habicher, K.-F. Arndt,
„Photocrosslinkable sensitive polymers based on 2-(dimethyl maleinimido)-N-ethyl-
acrylamide: Copolymers with N-isopropylacrylamide“
Polym. Bull. 2000, 44, 269-276.

- A. Richter, W. Krause, D. Kuckling, K.-F. Arndt
„Smarte Polymernetzwerke“
F&M, 2000, 108, 62-65.
- D. Kuckling, H.-J. Adler, L. Ling, W. D. Habicher, K.-F. Arndt.
„Temperature and pH-dependent Solubility of Novel Poly(N-isopropylacrylamide)-
Copolymers“
Macromol. Chem. Phys. 2000, 201, 273-280.
- Plagge, A.; Stratmann, M.; Kowalik, Th.; Adler, H.-J.:
Selected Aspects of surface Engineering with Cellulose Polymers
Advanced Engineering Materials 2000, 2, 376-378
- Kowalik, T.; Adler, H.-J. P.; Plagge, A.; Stratmann, M.:
Ultrathin layers of phosphorylated cellulose derivatives on aluminium surfaces
Macromol. Chem. Phys. 2000, 201, 2064-2069
- Puschke, C.; Pich, A.; Adler, H.-J. P.; Voronov, S.:
Kern und Hülle kovalent verknüpfen – Reaktive Dispersionen auf der Basis von
Peroxid Inisufs.
Farbe + Lack, 12, 2000, 52-56
- Plagge, A.; Stratmann, M.; Adler, H.-J. P.; Kowalik, T.:
Lackierte Implantate – Neue Wege der Haftvermittlung mit wasserbasierten
Celluloselackfilmen für Keramik-, Stahl- und Titanoberflächen.
Farbe + Lack, 11, 2000, 48-55
- Jähne, E.; Henke, A.; Adler, H.-J. P.:
Oberflächenmodifizierung von Aluminium mit organischen Haftvermittlern
Coatings 6, 2000, 218-222
- Appelhans, D.; Ferse, D.; Adler, H.-J. P.; Grundke, K.; Fikus, A.; Plieth, W.; Grundke,
K.; Schmitt, F.-J.; Bayer, T.; Adolphi, B.:
Self-assembled monolayers prepared from w-thiophene-functionalized n-alkylsiloxane
on Silicon substrates.
Colloids and Surfaces, A, 161, 2000, 203-212
- Holzhausen, U.; Millow, S.; Adler, H.-J. P.:
Untersuchungen zur thermischen Alterung von Beschichtungen Investigations of the
Thermal Aging of Coatings
Tm – Technisches Messen 67 (2000) 12, 524-528
- Voronov, S.; Tokarev, V.; Datsyuk, V. Seredyuk, V.; Bednarska, O.; Adler, H.-J. P.;
Puschke, C.; Pich, A.; Wagenknecht, U.:
Polyperoxidic Surfactants for Interface Modification and Compatibilization of Polymer
Colloidal Systems, 2. Design of Compatibilizing.
J. App. Polymer Science, Volume 76, Nummer 8 vom 23.05.2000, 1228-1239

1999

- M. Knörger, U. Heuert, H. Schneider, S. Richter, D. Kuckling, K.-F. Arndt,
„Investigation of Swelling and Diffusion in Polymers by NMR-Imaging“
Macromol. Symp. 1999, 145, 83-94.
- D. Kuckling, H.-J. Adler, K.-F. Arndt, L. Ling, W. D. Habicher,
„Temperature and pH Sensitive Polymers in Water - From Solution to thin Films“
Macromol. Symp., 1999, 145, 65-74.
- K.-F. Arndt, A. Richter, S. Ludwig, J. Zimmermann, J. Kressler, D. Kuckling, H.-J.
Adler,
„Poly(vinyl alcohol)/Poly(acrylic acid) Hydrogels: FT-IR Spectroscopic

Characterization and Work at Transition Point"

Acta Polym. 1999, 50, 383-390.

- D. Kuckling, H.-J. Adler, K.-F. Arndt, T. Wolff, J. Hoffmann, W.-J. Fischer, „Photocrosslinking of thin polymer films – Materials for sensors and actuators“ Macromol. Symp. 1999, 142, 111-120.
- L. Ling, W. D. Habicher, D. Kuckling, H.-J. Adler, „Synthesis and polymerization of N-[2-(3,4-dimethyl-2,5-dioxo-2,5-dihydro-pyrrol-1-yl)-ethyl]-acrylamide“ Des. Monom. Polym. 1999, 4, 351-358.
- D. Kuckling, H.-J. Adler, K.-F. Arndt, T. Wolff, J. Hoffmann, W.-J. Fischer, „Photocrosslinking of thin polymer films – Materials for sensors and actuators“ Macromol. Symp. 1999, 142, 111-120.
- H.-J. Adler, P. Fischer, A. Heller, I. Jansen, D. Kuckling, H. Komber, D. Lehmann, J. Piontek, D. Pleul, F. Simon, „Trends in polymer chemistry 1998“ Acta. Polym. 1999, 50, 232-239.
- H.-J. Adler, P. Fischer, A. Heller, I. Jansen, D. Kuckling, H. Komber, D. Lehmann, J. Piontek, D. Pleul, F. Simon, „Trends 1998: Makromolekulare Chemie“ Nachr. Chem. Techn. Lab. 1999, 49, 203-208.
- J. Hoffmann, M. Plötner, D. Kuckling, W.-J. Fischer, „Photopatterning of Thermally Sensitive Hydrogels Useful for Microactuators“ Sens. Actuators. A 1999, 77, 139-144.
- D. Kuckling, H.-J. Adler, K.-F. Arndt, J. Hoffmann, M. Plötner, L. Ling, W. D. Habicher, T. Wolff, „Photocrosslinking of Thin Films of Temperature Sensitive Polymers“ Polym. Adv. Technol., 1999, 10, 345-352.
- W. Tochtermann, D. Kuckling, C. Meints, J. Kraus, G. Brinkmann, „Synthesis and absolute configuration of a bi[10]paracyclophane with two chiral planes and one chiral axis“ Tetrahedron: Asym. 1999, 10, 21-24.
- Gräwe, R.; Schlesing, W.; Osterhold, M.; Flosbach, C.; Adler, H.-J. P.: Investigations into the reflow behaviour of clearcoats using physical methods ECJ, 03/1999, 80-89
- Jahny, K.; Adler, H.-J. P.; Vogt-Birnbrich, B.: Mit amphiphilen Strukturen emulgieren. Farbe + Lack, 10, 1999, 131-141
- Jahny, K.; Adler, H.-J. P.; Vogt-Birnbrück, B.: Mit amphiphiler Struktur umlegieren. Farbe & Lack, 105 (1999), 10, 131-141
- Plagge, A.; Stratmann, M.; Kowalik, T.; Adler, H.-J. P.: Verbundsysteme aus funktionalisierten Cellulosen als biokompatible Deckschichten. Werkstoffwoche, Wiley-VCH, München, Band VIII; S. 239-243
- Jansen, I.; Adler, H.-J. P.; Hardtke, G.; Fuchs, H.: Water-Dilutable Coatings Derived from Polyester for Textile Use. J. of Coated Fabrics, Vol. 29, Nr.2-October 1999
- Adler, H.-J. P. und Mitarbeiter Trends in Polymer Chemistry 1998 Acta Polymerica, 1999, 50, 232-239; Nachr. Chem. Techn. Lab. Bd. 47, 2/1999, 203-216

- Holzhausen, U.; Millow, S.; Adler, H.-J. P.:
Alterungsprozesse geben Hinweise für neue Lackrezepturen.
Farbe & Lack, 105 (1999), 118-122
- Fikus, A.; Plieth, W.; Appelhans, D.; Ferse, D.; Adler, H.-J. P.; Adolphi, B.; Adolphi, B.:
Preparation of Ultrathin Layers of Polythiophene Covalently Bonded to Silicon.
J. Electrochem. Soc., 146, 1999, 4522-4525
- Shibaev, L. A.; Fedorova, L. A.; Antonova, T. A.; Klenin, S. I.; Erussalimski, B. L.; Novakov, P. P.; Kuckling, D.; Adler, H.-J. P.:
Specificity of dimethylacrylamide mechanism of polymerization under the effect of tris(-allyl)chromium. Structure of the hybrid polymers based on dimethylacrylamide and tert-butylacrylate. J. Appl. Chem., 1999, 72, 1354-1359.
- Koethe, M.; Mueller, M.; Simon, F.; Komber, H.; Adler, H.-J. P.:
Examination of Poly(butadiene epoxide-) coatings at inorganic surfaces.
Colloid and Surfaces, A, 154 (1999) 75-85
- Adler, H.-J. P.; Arndt, K.-F.:
Polymer Sorption Phenomena
Macromol. Symp. Bd. 145, 1999
- Adler, H.-J. P.; Kuckling, D.; Jung, J.C. (Erlangen):
Advanced Polymeric Materials
Macromol. Symp. Bd. 142, 1999

1998

- R. Schinner, D. Kuckling, T. Wolff,
„Defined Photocrosslinking and Viscometric Data I: Crosslinking via Phenylinden and Stilbazolium Chromophores“
Ber. Bunsenges. Phys. Chem. 1998, 102, 1710-1714.
- K.-J. Eichhorn, P. Fischer, A. Heller, I. Jansen, D. Kuckling, D. Lehmann, J. Piontek, F. Simon, H.-J. Adler,
„Trends in Polymer Chemistry 1997. Part 1: Pure Research“
Acta Polym. 1998, 49, 253-265.
- K.-J. Eichhorn, P. Fischer, A. Heller, I. Jansen, D. Kuckling, D. Lehmann, J. Piontek, F. Simon, H.-J. Adler,
„Trends 1997: Makromolekulare Chemie“
Nachr. Chem. Techn. Lab. 1998, 48, 221-228.
- P. P. Novakov, D. Kuckling, L. Fedorova, H.-J. P. Adler,
„Novel Branched Blockcopolymers from Poly(vinylpyridine) by Chromium Allyl Compounds“
Macromol. Symp. 1998, 128, 195-201.
- K. Peters, E.-M. Peters, D. Kuckling, W. Tochtermann,
„Crystal structure of tetramethyl meso-9,9'-bi-(10-oxapentacyclo [5.5.0.0(1,11). 0(7,9). 0(8,12)]dodecane-8,12-dicarboxylate), [C₁₁H₁₁O(COOCH₃)(2)](2)“
Z. Kristallogr., NCS, 1998, 213, 97-98
- Adler, H.-J. P.; Jansen, I.; Fuchs, H.; Hardtke, G.:
New PVC-free coatings on technical textiles.
Techtextil, Symp. '98 Lyon, Proc. 1998, S. 83-90

- Adler, H.-J. P.; Stratmann, M.; Feser, M.; Heitbaum, J.:
Organische Nano-Schichten auf Aluminium contra Chromatierung.
Werkstoffwoche 1998, Wiley-VCH, München, Band X
- Adler, H.-J. P.; Stratmann, M.;
Feser, R. Ultradünne Schichten für den Korrosionsschutz.
Welt der Farben, 11/1998, S. 16-20
- Adler, H.-J. P. und Mitarbeiter 1997
Trends in der Makromolekularen Chemie.
Nachr. Chem. Techn. Lab. 46 (1998) 2, 221-228; Acta Polymerica, Vol. 6/98, 49, 253-265
- Shibaev, L.A.; Novakov, P.; Federova, L.A.; Antonova, T.A.; Klenin, S.I.; Adler, H.-J. P.; Erussalimski, B.L.:
Basic Specificity of the 2- and 4- Vinylpyridines Mechanism of Polymerization under the Effect of Allyl Derivative of Chromium, Tungsten and Molybden.
J. Appl. Chem., January 1998, 1-5
- Novakov, P.; Kuckling, D.; Federova, L.; Adler, H.-J. P.:
Novel Branched Blockcopolymers from Poly(vinylpyridine) by Chromium Allyl Componds.
Macromol. Symp. 128, 195-201 (1998)
- Mäge, I.; Jähne, E.; Henke, A.; Adler, H.-J. P.; Bram, C.; Jung, D.; Stratmann, M.:
Self-Assembling Adhesion Promoters for Corrosion Resistant Metal Polymer Interfaces.
Progress in Organic Coatings, 34 (1998), 1-12

Patente

- Fikus, A.; Plieth, W.; Appelhans, D.; Adler, H.-J. P.:
Verfahren zur haftfesten und dichten Metallisierung von chemisch und galvanisch nicht oder nur schwer plattierbaren Oberflächen sowie Haftvermittler zur Durchführung des Verfahrens.
DE 198 15 220 A1 vom 22.04.1998
- Adler, H.-J. P.; Henke, A.:
Verfahren für den Korrosionsschutz von Aluminium und Aluminiumlegierungen sowie Verwendung des Verfahrens.
DE 199 11 843 A1 vom 28.09.2000
- Adler, H.-J. P.; Henke, A.; Schmidt-Hansberg, T.:
Wässrige Polymerdispersionen und Verfahren ihrer Herstellung
DE 199 11 842 A1 vom 05.10.2000
- Wolter, M.; Plieth, W.; Appelhans, D.; Adler, H.-J. P.:
Verfahren zur strukturierten Abscheidung leitfähiger Polymere.
DE 100 25 522.1 vom 18.05.2000
- Rammelt, U.; Plieth, W.; Nguyen, T.; Adler, H.-J. P.; Ferse, D.; Jähne, E.:
Verfahren zur Erzeugung von Schichten aus leitfähigen Polymeren auf Metalloberflächen.
DE 100 40 993.8-45 vom 16.08.2000
- Adler, H.-J.; Bram, C.; Feser, R.; Jähne, E.; Jung, C.; Mäge, I.; Rudolph, J.; Sebralla, L.; Stratmann, M.:

Process of Treating Metallic Surfaces

US 6 436 475 B1 vom Aug. 20, 2002

- Fikus, A.; Plieth, W.; Appelhans, D.; Adler, H.-J.:
Verfahren zur haftfesten und dichten chemischen oder galvanischen Metallisierung von Substanzen sowie Haftvermittler zur Durchführung des Verfahrens
DE 198 15 220 C 2 vom 18.12.2003
- Wolter, M.; Ferse, D.; Plith, W.; Adler, H.-J.:
Verfahren zur strukturierten Abscheidung leitfähiger Polymerer
DE 100 25 522 B4 2004.05.13
- Adler, H.-J.; Jähne, E.; Pich, A.; Potje-Kamloth, K.; Hebestreit, N.; Plieth, W.; Rammelt, U:
Korrosionsschutz mit leitfähigen Polymeren
Patentanmeldung-Nr.: 102004037552 in BRD (OZ 04058 DE-A) vom 03.08.04
- Adler, H.-J.; Jähne, E.; Pich, A.; Potje-Kamloth, K.; Hebestreit, N.; Plieth, W.; Rammelt, U:
Verfahren zum Schützen einer metallischen Oberfläche mit einer korrosionsinhibierenden Beschichtung
Patentanmeldung-Nr: 102004037542 in BRD (OZ04059 DE) vom 03.08.04