

## ► INM Publikationen: 2011

- Refereed Journal Publications
- Publications in Proceedings and other Documents

Former Publications: see INM Publications

**INM – Leibniz Institut für  
Neue Materialien gGmbH**

Campus D2 2  
66123 Saarbrücken  
[www.inm-gmbh.de](http://www.inm-gmbh.de)

### **KONTAKT**

Tel. +49 (0)681-9300-100  
Fax. +49 (0)681-9300-242

[contact@inm-gmbh.de](mailto:contact@inm-gmbh.de)

## ► Refereed Journal Publications 2011

O. C. Aktas, A. Haidar, M. Martinez Miró, E. Dörrschuck, J. Lee, M. Veith and H. Abdul-Khaliq  
Improved endothelialisation on nanostructured surfaces  
Adv Mat Res 2011, 324, 105-108 [-]

O. C. Aktas, M. Sander, M. Martinez Miró, J. Lee, C. K. Akkan, H. Smail, A. Ott and M. Veith  
Enhanced fibroblast cell adhesion on Al/Al<sub>2</sub>O<sub>3</sub> nanowires  
Appl Surf Sci 2011, 257, (8), 3489-3494 [01.793 (2010)]

A. Al-Kahlout, S. Heusing, T. S. Müller, N. Al-Dahoudi, M. Quilitz and P. W. Oliveira  
Novel conductive characteristics of ITO:Ti films deposited by spin coating from colloidal precursor  
J Sol-Gel Sci Techn 2011, 59, (3), 532-538 [01.525 (2010)]

E. Arzt  
Nanoscience  
Physik-Journal 2011, 10, (10), 48 [-]

Y. Bai, C. Jin, A. Jagota and C.-Y. Hui  
Adhesion selectivity by electrostatic complementarity. I. One-dimensional stripes of charge  
J Appl Phys 2011, 110, (5), 054902 [02.064 (2010)]

P. Bauer, R. Elbaum and I. M. Weiss  
Calcium and silicon mineralization in land plants: Transport, structure and function  
Plant Sci 2011, 180, (6), 746-756 [02.481 (2010)]

P. Born, S. Blum, A. Munoz and T. Kraus  
The role of the meniscus shape in large-area convective particle assembly  
Langmuir 2011, 27, (14), 8621-8633 [04.268 (2010)]

A. Caron, A. Kawashima, H.-J. Fecht, D. V. Louzguine-Luzguin and A. Inoue  
On the anelasticity and strain induced structural changes in a Zr-based bulk metallic glass  
Appl Phys Lett 2011, 99, (17), 171907 [03.841 (2010)]

G. Castellanos, E. Arzt and M. Kamperman  
Effect of viscoelasticity on adhesion of bioinspired micropatterned epoxy surfaces  
Langmuir 2011, 27, (12), 7752-7759 [04.268 (2010)]

J. Chan, M. Eder, E. F. Crowell, J. Hampson, G. Calder and C. Lloyd  
Microtubules and CESA tracks at the inner epidermal wall align independently of those on the outer wall of light-grown Arabidopsis hypocotyls  
J Cell Sci 2011, 124, (7), 1088-1094 [06.290 (2010)]

## ► Refereed Journal Publications 2011

P. Egberts and R. Bennewitz

Atomic-scale nanoindentation: detection and identification of single glide events in three dimensions by force microscopy

Nanotechnology 2011, 22, (42), 425703 [03.652 (2010)]

B. Girault, D. Eyidi, T. Chauveau, D. Babonneau, P. O. Renault, E. Le Bourhis and P. Goudeau  
Copper coverage effect on tungsten crystallites texture development in W/Cu nanocomposite thin films

J Appl Phys 2011, 109, (1), 014305 [02.064 (2010)]

R. R. Goncalves, Y. Messaddeq, M. A. Aegerter and S. J. L. Ribeiro

Rare earth doped SnO<sub>2</sub> nanoscaled powders and coatings: Enhanced photoluminescence in water and waveguiding properties

J Nanosci Nanotechno 2011, 11, (3), 2433-2439 [01.351 (2010)]

N. N. Gosvami, P. Egberts and R. Bennewitz

Molecular order and disorder in the frictional response of alkanethiol self-assembled monolayers

J Phys Chem A 2011, 115, (25), 6942-6947 [02.732 (2010)]

N. N. Gosvami, M. Feldmann, J. Peguiron, M. Moseler, A. Schirmeisen and R. Bennewitz

Ageing of a microscopic sliding gold contact at low temperatures

Phys Rev Lett 2011, 107, (14), 144303 [07.622 (2010)]

M. Grewer, J. Markmann, R. Karos, W. Arnold and R. Birringer

Shear softening of grain boundaries in nanocrystalline Pd

Acta Mater 2011, 59, (4), 1523-1529 [03.781 (2010)]

I. Grobelsek, B. Rabung, M. Quilitz and M. Veith

Electrochemical synthesis of nanocrystalline zinc oxide and phase transformations of zinc hydroxides

J Nanopart Res 2011, 13, (10), 5103-5119 [03.253 (2010)]

L. Haab, C. Trenado, M. Mariam and D. J. Strauss

Neurofunctional model of large-scale correlates of selective attention governed by stimulus-novelty

Cogn Neurodynamics 2011, 5, (1), 103-111 [01.625 (2010)]

A. Haidar, M. Martinez Miró, J. Lee, C. K. Akkan, S. Brück, K. Löw, O. C. Aktas and H. Abdul-Khaliq

Improved endothelialisation on silicon oxide (SiO<sub>x</sub>) thin film: possible approach for stent coatings

Clin Res Cardiol 2011, 100, (9), 852-853 [03.466 (2010)]

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A. R. Harris, K. Schwerdtfeger and D. J. Strauss

Adapted filter banks for feature extraction in transcranial magnetic stimulation evoked responses

Med Biol Eng Comput 2011, 49, (2), 221-231 [01.791 (2010)]

F. Hausen, N. N. Gosvami and R. Bennewitz

Anion adsorption and atomic friction on Au(1 1 1)

Electrochim Acta 2011, 56, (28), 10694-10700 [03.642 (2010)]

R. Jain, P. Dandekar, B. Loretz, A. Melero, T. Stauner, G. Wenz, M. Koch and C.-M. Lehr

Enhanced cellular delivery of idarubicin by surface modification of propyl starch nanoparticles employing pteric acid conjugated polyvinyl alcohol

Int J Pharm 2011, 420, (1), 147-155 [03.607 (2010)]

C. Jin, Y. Bai, A. Jagota and C.-Y. Hui

Adhesion selectivity by electrostatic complementarity. II. Two-dimensional analysis

J Appl Phys 2011, 110, (5), 054903 [02.064 (2010)]

J. S. Kaiser, M. Kamperman, E. J. De Souza, B. Schick and E. Arzt

Adhesion of biocompatible and biodegradable micropatterned surfaces

J Artif Organs 2011, 34, (2), 180-184 [01.503 (2010)]

S. Kozhukharov, V. Kozhukharov, M. Wittmar, M. Schem, M. Aslan, H. Caparrotti and M. Veith

Protective abilities of nanocomposite coatings containing Al<sub>2</sub>O<sub>3</sub> nano-particles loaded by CeCl<sub>3</sub>

Prog Org Coat 2011, 71, (2), 198-205 [01.862 (2010)]

E. Kroner, D. Paretkar, R. M. McMeeking and E. Arzt

Adhesion of flat and structured PDMS samples to spherical and flat probes: a comparative study

J Adhes 2011, 87, (5), 447-465 [01.066 (2010)]

H. I. Labouta, L. K. El-Khordagui, T. Kraus and M. Schneider

Mechanism and determinants of nanoparticle penetration through human skin

Nanoscale 2011, 3, (12), 4989-4999 [04.109 (2010)]

H. I. Labouta, T. Kraus, L. K. El-Khordagui and M. Schneider

Combined multiphoton imaging-pixel analysis for semiquantitation of skin penetration of gold nanoparticles

Int J Pharm 2011, 413, (1-2), 279-282 [03.607 (2010)]

H. I. Labouta, D. C. Liu, L. L. Lin, M. K. Butler, J. E. Grice, A. P. Raphael, T. Kraus, L. K. El-

Khordagui, H. P. Soyer, M. S. Roberts, M. Schneider and T. W. Prow

Gold nanoparticle penetration and reduced metabolism in human skin by toluene

Pharm Res 2011, 28, (11), 2931-2944 [04.456 (2010)]

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A. Labuda, F. Hausen, N. N. Gosvami, P. H. Grütter, R. B. Lennox and R. Bennewitz  
Switching atomic friction by electrochemical oxidation  
Langmuir 2011, 27, (6), 2561-2566 [04.268 (2010)]

T. Lehnert, J. Adam, R. Drumm, J. Dietz and M. Veith  
Ferroelectric characterization of isolated BaTiO<sub>3</sub> particles  
Ferroelectrics 2011, 420, (1), 49-55 [00.511 (2010)]  
Erratum in: Ferroelectrics 2011, 425, (1), 129-129

H. Lin, P. W. Oliveira and M. Veith  
Application of ionic liquids in photopolymerizable holographic materials  
Opt Mater 2011, 33, (6), 759-762 [01.678 (2010)]

S. Lingam, J. Mohrbacher, T. Brumbarova, T. Potuschak, C. Fink-Straube, E. Blondet, P. Genschik and P. Bauer  
Interaction between the bHLH transcription factor FIT and ETHYLENE INSENSITIVE3/ETHYLENE INSENSITIVE3-LIKE1 reveals molecular linkage between the regulation of iron acquisition and ethylene signaling in Arabidopsis  
Plant Cell 2011, 23, (5), 1815-1829 [09.396 (2010)]

Y. F. Low and D. J. Strauss  
A performance study of the wavelet-phase stability (WPS) in auditory selective attention  
Brain Res Bull 2011, 86, (1-2), 110-117 [02.498 (2010)]

K. Mandel, F. Dillon, A. A. Koos, Z. Aslam, K. Jurkschat, F. Cullen, A. Crossley, H. Bishop, K. Moh, C. Cavelius, E. Arzt and N. Grobert  
Facile, fast, and inexpensive synthesis of monodisperse amorphous Nickel-Phosphide nanoparticles of predefined size  
Chem Commun 2011, 47, (14), 4108-4110 [05.787 (2010)]

S. Mathur and T. Rügamer  
Transparent and scratch-resistant C:ZrO<sub>x</sub> coatings on polymer and glass by plasma-enhanced chemical vapor deposition  
Int J Appl Ceram Tec 2011, 8, (5), 1050-1058 [01.280 (2010)]

A. Neumeyer, M. Bukowski, M. Veith, C.-M. Lehr and N. Daum  
Propidium iodide labeling of nanoparticles as a novel tool for the quantification of cellular binding and uptake  
Nanomed-Nanotechnol 2011, 7, (4), 410-419 [04.882 (2010)]

P. W. Oliveira  
Einstufiges Photolithografie-Verfahren für druckbare Elektronik  
Vakuum in der Praxis 2011, 23, (6), 46 [-]

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- J. Pan, S.-M. Hühne, H. Shen, L. Xiao, P. Born, W. Mader and S. Mathur  
SnO<sub>2</sub>-TiO<sub>2</sub> core-shell nanowire structures: Investigations on solid state reactivity and photocatalytic behavior  
J Phys Chem C 2011, 115, (35), 17265-17269 [04.520 (2010)]
- J. Pan, H. Shen, U. Werner, J. D. Prades, F. Hernandez-Ramirez, F. Soldera, F. Mücklich and S. Mathur  
Heteroepitaxy of SnO<sub>2</sub> nanowire arrays on TiO<sub>2</sub> single crystals: growth patterns and tomographic studies  
J Phys Chem C 2011, 115, (31), 15191-15197 [04.520 (2010)]
- D. Paretkar, M. Kamperman, A. S. Schneider, D. Martina, C. Creton and E. Arzt  
Bioinspired pressure actuated adhesive system  
Mat Sci Eng C 2011, 31, (6), 1152-1159 [02.178 (2010)]
- D. Paretkar, A. S. Schneider, E. Kroner and E. Arzt  
In situ observation of contact mechanisms in bioinspired adhesives at high magnification  
MRS Communications\* 2011, 1, (01), 53-56 [-]
- A. Pathak, R. M. McMeeking, A. G. Evans and V. S. Deshpande  
An analysis of the cooperative mechano-sensitive feedback between intracellular signaling, focal adhesion development, and stress fiber contractility  
J Appl Mech 2011, 78, (4), 041001 [00.617 (2010)]
- L. Schimmelpfennig, B. Schwab, W. Metzger, D. Sossong, O. C. Aktas, M. Martinez Miró, J. Lee, M. Veith, T. Pohlemann and M. Oberringer  
Cell compatibility of micro- and nanostructured alumina surfaces prepared by chemical vapor deposition  
Tissue Eng A 2011, 17, (3-4), 568-569 [-\*]
- A. S. Schneider, C. P. Frick, B. G. Clark, P. A. Gruber and E. Arzt  
Influence of orientation on the size effect in bcc pillars with different critical temperatures  
Mat Sci Eng A 2011, 528, (3), 1540-1547 [02.090 (2010)]
- V. Schönitzer, N. Eichner, H. Clausen-Schaumann and I. M. Weiss  
Transmembrane myosin chitin synthase involved in mollusc shell formation produced in Dictyostelium is active  
Biochem Bioph Res Co 2011, 415, (4), 586-590 [02.595 (2010)]
- C. Schuh, E. Dörrschuck, O. C. Aktas, I. Marsollek, G. Wennemuth, M. Veith and H. Abdul-Khaliq  
Untersuchung der Reaktion von neonatalen Endothel- und glatten Muskelzellen auf neue Nano-Oberflächen für potentielle intravaskuläre Implantate bei Kindern  
Clin Res Cardiol 2011, 100, (9), 828 [03.466 (2010)]

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- M. Schulzendorf, C. Cavelius, P. Born, E. Murray and T. Kraus  
Biphasic synthesis of Au@SiO<sub>2</sub> core-shell particles with stepwise ligand exchange  
Langmuir 2011, 27, (2), 727-732 [04.268 (2010)]
- C. Schumann and A. Kraegeloh  
Scharfer Blick auf Nanopartikel  
Physik-Journal\* 2011, 10, (4), 27-32 [-]
- C. Trenado, M. Wittmar, M. Veith, N. C. Rosero-Navarro, M. Aparicio, A. Duran, Y. Castro and D. J. Strauss  
Multiscale numerical modeling of Ce<sup>3+</sup>-inhibitor release from novel corrosion protection coatings  
Model Simul Mater Sci Eng 2011, 19, (2), 025009 [01.374 (2010)]
- M. Veith, C. Belot and V. Huch  
Tris(tetrahydrofuran-κO)tris[tris(thiophen-2-yl)methanolato-κO]terbium(III) tetrahydrofuran monosolvate  
Acta Crystallographica E 2011, E67, (12), m1712, doi:10.1107/S160053681104623X, online: 09.11.2011
- M. Veith, M. Bender, T. Lehnert, M. Zimmer and A. Jakob  
Novel single-source precursors for the fabrication of PbTiO<sub>3</sub>, PbZrO<sub>3</sub> and Pb(Zr<sub>1-x</sub>Ti<sub>x</sub>)O<sub>3</sub> thin-films by chemical vapor deposition  
Dalton Trans 2011, 40, (5), 1175-1182 [03.647 (2010)]
- M. Veith, C. Bubel and M. Zimmer  
A novel precursor system and its application to produce tin doped indium oxide  
Dalton Trans 2011, 40, (22), 6028-6032 [03.647 (2010)]
- M. Veith, D. Kolano, V. Huch and J. P. Sutter  
Reaktionen des Alumopolysiloxans (Ph<sub>2</sub>SiO)<sub>8</sub>[AlO(OH)]<sub>4</sub> mit 4,4'-Bipyridin und Azobipyridinen  
Z Anorg Allg Chem 2011, 637, (12), 1922-1930 [01.247 (2010)]
- M. Veith, H. Ullah Wazir, T. Kirs, V. Huch and M. Zimmer  
Structural aspects of chlorine-aluminium alkoxides  
Z Anorg Allg Chem 2011, 637, 923-929 [01.247 (2010)]
- D. Wardecki, R. Przeniosło, A. N. Fitch, M. Bukowski and R.-W. Hempelmann  
Crystal microstructure of annealed nanocrystalline chromium studied by synchrotron radiation diffraction  
J Nanopart Res 2011, 13, (3), 1151-1161 [03.253 (2010)]

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I. M. Weiss

Biomaterials: Metabolites empowering minerals

Nat Chem Biol 2011, 7, (4), 192-193 [15.808 (2010)]

I. M. Weiss and H. O. K. Kirchner

Plasticity of two structural proteins: alpha-collagen and beta-keratin

J Mech Behav Biomed Mater 2011, 4, (5), 733-743 [03.297 (2010)]

I. M. Weiss, K.-P. Schmitt and H. O. K. Kirchner

The peacock's train (*Pavo cristatus* and *Pavo cristatus* mut. *alba*) II. The molecular parameters of feather keratin plasticity

J Exp Zool A 2011, 315, (5), 266-273 [01.500 (2010)]

A. Wittmar, M. Wittmar, H. Caparrotti and M. Veith

The influence of the inhibitor particle sizes to the corrosion properties of hybrid sol-gel coatings

J Sol-Gel Sci Techn 2011, 59, (3), 621-628 [01.525 (2010)]

E. Wohlfart, J. P. Fernández-Blázquez, E. Arzt and A. Del Campo

Nanofibrillar patterns on PET: The influence of plasma parameters in surface morphology

Plasma Process Polym 2011, 8, (9), 876-884 [01.643 (2010)]

M. S. Wu and H. O. K. Kirchner

Second-order elastic solutions for spherical gels subjected to spherically symmetric dilatation

Mech Mater 2011, 43, (11), 721-729 [01.911 (2010)]

R. Wuerz, A. Eicke, F. Kessler, P. Rogin and O. Yazdani-Assl

Alternative sodium sources for Cu(In,Ga)Se<sub>2</sub> thin-film solar cells on flexible substrates

Thin Solid Films 2011, 519, (21), 7268-7271 [01.909 (2010)]

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M. A. Aegerter, N. Leventis and M. M. Koebel

Aerogels Handbook

Springer: New York, 2011, Advances in Sol-Gel Derived Materials and Technologies 963 S.

O. C. Aktas, M. Martinez Miró, J. Lee, S. Brück and M. Veith

Micro-/nanostructured alumina as model surface to study topography effects on cell-surface interactions

Annual Report, Jahresbericht 2010 - INM Leibniz-Institut für Neue Materialien\* 2011, 27-31 [-]

O. C. Aktas, J. Schütt and H. Abdul-Khaliq

Beschichtungsverfahren für Stents: Veredelte Schläuche verhindern Thrombosegefahr

Deutsche Zeitschrift für Klinische Forschung\* 2011, 15, (9-10), 47-50 [-]

D. Bentz, C. Becker-Willinger, S. Schmitz-Stöwe and M. Veith

Morphology controlled preparation of monodisperse TiO<sub>2</sub> nanorods and nanoparticles for optical nanocomposites

Annual Report, Jahresbericht 2010 - INM Leibniz-Institut für Neue Materialien\* 2011, 11-16 [-]

C. Bernarding, M. Latzel, D. J. Strauss and F. I. Corona-Strauss

On the objective electrophysiological estimation of listening effort in different age groups

In: 5th International IEEE/EMBS Conference on Neural Engineering (NER 2011), April 27-May 01, 2011, Cancun <Mexiko>, (2011), pp 671-674

C. Bernarding, D. J. Strauss, R. Hannemann, M. Latzel, H. Seidler, U. Jobst, A. Bellaghech, M. Landwehr and F. I. Corona-Strauss

The effects of age and hearing impairment on the extraction of listening effort correlates

In: 33rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS 2011, August 30-September 03, 2011, Boston <Mass., USA>, (2011), pp 2323-2326

C. Bernarding, D. J. Strauss, M. Latzel, R. Hannemann, J. Chalupper and F. I. Corona-Strauss  
Simulations of hearing loss and hearing aid: Effects on electrophysiological correlates of listening effort

In: 33rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS 2011, August 30-September 03, 2011, Boston <Mass., USA>, (2011), pp 2319-2322

A. Bohr, C. Bernarding, D. J. Strauss and F. I. Corona-Strauss

Effects of auditory selective attention on chirp evoked auditory steady state responses

In: 33rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS 2011, August 30-September 03, 2011, Boston <Mass., USA>, (2011), pp 2013-2016

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M. Busse, M. Vukelic, A. Kraegeloh, D. Stevens, J. Rettig, E. Arzt and D. J. Strauss  
On the possible effects of nanoparticles on neuronal feedback circuits: A modeling study  
In: 5th International IEEE/EMBS Conference on Neural Engineering (NER 2011), April 27-May 01, 2011, Cancun <Mexiko>, (2011), pp 136-139, Art. No.: 5910507

F. I. Corona-Strauss, C. Bernarding, M. Latzel and D. J. Strauss  
Syllable evoked auditory late responses: Effects of noise onsets and noise types  
In: 5th International IEEE/EMBS Conference on Neural Engineering (NER 2011), April 27-May 01, 2011, Cancun <Mexiko>, (2011), pp 140-143

A. del Campo and E. Arzt  
Generating Micro- and Nanopatterns on Polymeric Materials  
Wiley-VCH: Weinheim, 2011, 369 S.

E. Gonzalez-Trejo, K. Philipp-Wiegmann, D. Roember, P. Reinert, Y. F. Low, S. Bouregghda, W. Retz, M. Roesler and D. J. Strauss  
Assessment of cortical inhibition in adult attention-deficit/hyperactivity disorder by paired-chirp auditory evoked potentials  
In: 5th International IEEE/EMBS Conference on Neural Engineering (NER 2011), April 27-May 01, 2011, Cancun <Mexiko>, (2011), pp 687-690

E. Gonzalez-Trejo, D. J. Strauss and K. Schwerdtfeger  
Transcranial magnetic stimulation (TMS): Development of an alternative placebo system  
In: 5th International IEEE/EMBS Conference on Neural Engineering (NER 2011), April 27-May 01, 2011, Cancun <Mexiko>, (2011), pp 580-583

L. Haab, M. Busse, M. Mariam, T. Weis and D. J. Strauss  
Detection of a novelty event in the identification of faces in a passive VEP task  
In: 5th International IEEE/EMBS Conference on Neural Engineering (NER 2011), April 27-May 01, 2011, Cancun <Mexiko>, (2011), pp 679-682

M. Kamperman and E. Arzt  
"Gecko-workshop 2010" - INM initiates new worldwide conference series  
Annual Report, Jahresbericht 2010 - INM Leibniz-Institut für Neue Materialien\* 2011, 41-43 [-]

M. Kamperman, E. Arzt and A. Del Campo  
Bioinspired patterned adhesives  
In: Generating Micro- and Nanopatterns on Polymeric Materials, A. del Campo and E. Arzt Eds., Wiley-VCH: Weinheim, 2011, pp 319-335

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E. Kroner, M. Kamperman and E. Arzt

Gecko-inspired adhesives - from science to industrial application  
adhesion ADHESIVES & SEALANTS\* 2011, 55, (1), 40-44 [-]

M. Kucki and A. Kraegeloh

The intracellular localization of inorganic engineered versus biogenic materials: a comparison  
Annual Report, Jahresbericht 2010 - INM Leibniz-Institut für Neue Materialien\* 2011, 32-40 [-]

T. Lehnert, J. Adam and M. Veith

Transparent nanocomposites with high dielectric constant  
In: Proceedings of the LOPE-C 2011 - Large-area, Organic and Printed Electronics Convention,  
June 28-30, 2011, Frankfurt am Main, (2011), pp 103-105

Y. F. Low, K. C. Lim, Y. G. Soo and D. J. Strauss

Feasibility of using the wavelet-phase stability in the objective quantification of neural  
correlates of auditory selective attention

In: 5th Kuala Lumpur International Conference on Biomedical Engineering, BIOMED 2011, June  
20-23, 2011, Kuala Lumpur <Malaysia>, (2011), pp 569-573

Y. F. Low and D. J. Strauss

A performance study of the wavelet-phase stability in the quantification of neural correlates of  
auditory selective attention

In: 5th International IEEE/EMBS Conference on Neural Engineering (NER 2011), April 27-May 01,  
2011, Cancun <Mexiko>, (2011), pp 576-579, Art. No.: 5910614

E. Murray, P. Born and T. Kraus

Colloidal polymer patterning

In: Generating Micro- and Nanopatterns on Polymeric Materials, A. del Campo and E. Arzt  
Eds., Wiley-VCH: Weinheim, 2011, pp 171-198

P. W. Oliveira and H. Lin

Application of ionic liquids in photopolymerizable hologram materials

In: 2011 ICO International Conference on Information Photonics, IP 2011, May 18-20, 2011,  
Ottawa <Canada>, (2011), p Article number 5953729

P. W. Oliveira, P. Rogin, M. Quilitz and E. Arzt

Patterned materials and surfaces for optical applications

In: Generating Micro- and Nanopatterns on Polymeric Materials, A. del Campo and E. Arzt  
Eds., Wiley-VCH: Weinheim, 2011, pp 337-360

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D. Paretkar, M. Kamperman, A. S. Schneider and E. Arzt

Bioinspired pressure actuated adhesive system

Annual Report, Jahresbericht 2010 - INM Leibniz-Institut für Neue Materialien 2011, 17-21 [-]

M. Schem, T. Schmidt, H. Caparrotti, M. Wittmar and M. Veith

Corrosion inhibiting cerium compounds for chromium-free corrosion protective coatings on AA 2024

In: Self-healing Properties of New Surface Treatments, L. Fedrizzi Ed., European Federation of Corrosion: 2011, Vol. 58, pp 184-201

A. K. Schlarb

Potential solutions for the automotive industry

Kunststoffe international\* 2011, 101, (7), 68-74 [-]

A. K. Schlarb

Lösungspotenziale für die Automobilindustrie

Kunststoffe\* 2011, (7), 82-89 [-]

G. Schultes, H. Schmid-Engel, A. C. Probst, S. Uhlig, D. Göttel, J. Bock, J. Bambauer, T. Speicher, M. Lambert, R. Koppert, U. Werner, S. Berger and K. Zohar

Nickel-Kohlenstoffschichten für Druck- und Kraftsensoren - Nickel carbon thin films for pressure and force sensors

In: Mikrosystemtechnik-Kongress 2011, October 10-12, 2011, Darmstadt, H. F. Schlaak, Ed., (2011), pp CD-ROM, 3 S.

I. M. Weiss

Biological materials - bioinspiration on different length scales

Annual Report, Jahresbericht 2010 - INM Leibniz-Institut für Neue Materialien 2011, 22-26 [-]