

## Publication list: Gröning Pierangelo

### Review Papers:

- 1) **Designing Polymer Surfaces by Plasma**  
*P. Gröning, M. Collaud Coen*  
Recent Res. Devel. Macromol. Res., **4** (1999) 211 – 228
- 2) **Cold Plasma Processes in Surface Science and Technology**  
*P. Gröning*  
Chapter in “Handbook of Thin Films Material”, American Scientific Publishers  
ISBN 0-12-512909-2, edited by H.S. Nalwa, Vol. 1, Chapter **4**, (2002) 219 – 257
- 3) **Carbon Nanotubes for Cold Electron Sources**  
*P. Gröning, P. Ruffieux, L. Schlapbach, and O. Gröning*  
Advanced Engineering Materials, **5** (2003) 541 – 550
- 4) **Carbon Nanostructures for Cold Electron Sources**  
*P. Gröning, L. Nilsson, P. Ruffieux, R. Clergereaux, and O. Gröning*  
Chapter in “Encyclopaedia of Nanoscience and Nanotechnology”, American Scientific Publishers, ISBN 1-58883-001-2, edited by H.S. Nalwa, Vol.1, (2004) p. 547 – 579
- 5a) **Nanotechnology: An Approach to Mimic Natural Structures and Concepts**  
*P. Gröning*  
Advanced Engineering Materials, **7** (2005) 279 – 291
- 5b) **Nanotechnology: An Approach to Mimic Natural Structures and Concepts**  
*P. Gröning*  
Encyclopaedia of Applied Physics (Online version, invited Article)  
DOI: 10.1002/3527600434.eap653, 15. November 2007

### SCI/E Papers:

- 1) **On the growth of a metallic Ce film on SiO<sub>2</sub>**  
*P. Gröning, T. Greber, J. Osterwalder, and L. Schlapbach*  
Vacuum, **41** (1990) 1439
- 2) **Temperature-dependent surface modifications of AISI 316L and AISI 440C stainless steel substrates**  
*P. Gröning, S. Nowak, and L. Schlapbach*  
Applied Surface Science, **52** (1991) 353
- 3) **Interface analysis of plasma deposited titanium nitride on stainless steels**  
*P. Gröning, S. Nowak, L. Schlapbach, and H. E. Hintermann*  
Applied Surface Science, **62** (1992) 209
- 4) **Electron cyclotron resonance plasma experiments for *in-situ* surface modifications, deposition, and analysis**  
*S. Nowak, P. Gröning, O. M. Küttel, M. Collaud, and G. Dietler*  
Journal of Vacuum Science and Technology, **A 10** (1992) 3419
- 5) **Surface modifications of nitrogen-plasma treated stainless steels**  
*P. Gröning, S. Nowak, and L. Schlapbach*  
Applied Surface Science, **64** (1993) 265
- 6) **Initial stages of titanium carbide growth by plasma-sputter deposition on stainless steel**  
*P. Gröning, S. Nowak, E. Schaller and L. Schlapbach*

- Applied Surface Science, **68** (1993) 327
- 7) **XPS study of the polypropylene-magnesium interface after *in-situ* plasma and ion treatment, sticking, bonding and film growth**  
*S. Nowak, M. Collaud, G. Dietler, P. Gröning, and L. Schlapbach*  
J. Vac. Sci. Technol., **A 11** (1993) 418
  - 8) **Surface modifications of polypropylene after in situ Ar and N<sub>2</sub> plasma treatment, an XPS study**  
*M. Collaud, S. Nowak, O. M. Küttel, P. Gröning, and L. Schlapbach*  
Applied Surface Science, **72** (1993) 19
  - 9) **Plasma surface treatment of polymers: Interfacial properties of adhesion**  
*M. Collaud, S. Nowak, P. Gröning, H. P. Haerri and L. Schlapbach*  
Les Couches Minces, **268** (1993) 39
  - 10) **Plasma treatment of polymers: The effect of the plasma parameters on the chemical, physical and morphological state of the polymer surface and on the polymer-metal interface**  
*M. Collaud, P. Gröning, S. Nowak and L. Schlapbach*  
Journal of Adhesion Science Tech., **8** (1994) 1115
  - 11) **Plasma Modification of Polymethylmethacrylate and Polyethyleneterephthalate**  
*P. Gröning, M. Collaud, G. Dietler, and L. Schlapbach*  
Journal of Applied Physics, **76** (1994) 887
  - 12) **Creation of a Conductive Surface Layer on Polypropylene Samples by Low Pressure Plasma Treatments**  
*M. Collaud-Coen, P. Gröning, G. Dietler and L. Schlapbach*  
Journal of Applied Physics, **77** (1994) 5695
  - 13) **Mass and Energy Selected Ion Beam for Deposition and Ion Induced Surface Modifications**  
*O. M. Küttel, P. Gröning, R.G. Agostino, and L. Schlapbach*  
Journal of Vacuum Science and Technology **A 13** (1996) 2848
  - 14) **Interaction of Low Energy (<10 eV) Ions with Polymer Surface during Plasma Treatment**  
*P. Gröning, O.M. Küttel, M. Collaud-Coen, G. Dietler and L. Schlapbach*  
Applied Surface Science, **89** (1995) 83
  - 15) **AFM Measurements of the Topography and the Roughness of ECR Plasma treated Polypropylene**  
*M. Collaud-Coen, G. Dietler, S. Kasas and P. Gröning*  
Applied Surface Science, **103** (1996) 27
  - 16) **Electron Field Emission from a Cesium NEA Diamond (100) Surface: An Activation Concept**  
*O.M. Küttel, O. Gröning, E. Schaller, L. Diederich, P. Gröning, and L. Schlapbach*  
Diamond and Related Materials, **5** (1996) 807
  - 17) **Influence of Gas Pressure on the Plasma Modification of Polyethersulphone**  
*P. Gröning, M. Collaud Coen, O.M. Küttel and L. Schlapbach*  
Applied Surface Science, **103** (1996) 79
  - 18) **"Self thickness limited" plasma polymerization of an ultra thin anti-adhesive film**  
*P. Gröning, A. Schnewly, L. Schlapbach and M.T. Gale*  
Journal of Vacuum Science and Technology, **A 14** (1996) 3043
  - 19) **Vacuum arc discharges preceding high electron field emission from carbon films**  
*O. Gröning, O.M. Küttel, E. Schaller, P. Gröning and L. Schlapbach*  
Appl. Phys. Lett., **69** (1996) 476

- 20) **A closer Look at the Phlogopite by Electron Spectroscopy for Chemical Analysis (ESCA)**  
*G.G. Biino and P. Gröning*  
Mitteilungen der Österr. Mineral. Gesellschaft., **141** (1996) 68
- 21) **Physiko-Chemische Analysen der Oberflächenschicht anodisch oxydierter Reintitan-Implantate**  
*B. Gasser, P. Gröning*  
Europ. Unfallkongress, Davos 96, Swiss Surg Suppl. **2** (1996) 45
- 22) **Formation of an oriented  $\beta$ -SiC layer during the initial growth phase of diamond on silicon (100)**  
*E. Maillard-Schaller, O.M. Küttel, P. Gröning and L. Schlapbach*  
Diamond and Relat. Mater., **6** (1997) 282
- 23) **Local heteroepitaxy of diamond on silicon (100): a study of the interface structure**  
*E. Maillard-Schaller, O.M. Küttel, P. Gröning, O. Gröning, R.G. Agostino, P.Aebi, L. Schlapbach, P. Wurzinger and P. Pongartz*  
Phys. Rev., **B 55** (1997) 15895
- 24) **Field Emission from DLC Films**  
*O. Gröning, O.M. Küttel, P. Gröning, and L. Schlapbach*  
Appl. Surface Science **111** (1997) 135
- 25) **Field emitted electron energy distribution from nitrogen-containing diamond-like carbon**  
*O. Gröning, O.M. Küttel, P. Gröning and L. Schlapbach*  
Appl. Phys. Lett. **71** (1997) 2253
- 26) **Properties of thin Anti-Adhesive Films used for The Replication of Polymer Microstructures**  
*R. Jaszewski, H. Schiff, P. Gröning, G. Margaritondo*  
Micro- and Nano-Engineering, **35** (1997) 381
- 27) **Plasma-Polymer Reaction: Etching and Polymerisation**  
*P. Gröning*  
Zeitschrift für Schweizerische Archäologie und Kunstgeschichte, **54** (1997) 19
- 28) **Temperature Dependent Dielectric Breakdown Strength of Oil Impregnated Polypropylene Capacitor Foils**  
*A. Schneuwly, P. Gröning and L. Schlapbach, P. Brüesch, M.W. Carlen and R. Gally*  
Materials Science & Engineering, **B 54** (1998) 182
- 29) **Uncoupling behaviour of current gates in self healing capacitors**  
*A. Schneuwly, P. Gröning, L. Schlapbach,*  
Materials Science & Engineering, **B 55** (1998) 210
- 30) **X-ray Photoelectron Spectroscopy (XPS) a Structural and Chemical Surface Probe: Test on Aluminosilicate Minerals**  
*G.G. Biino and P. Gröning*  
Eur. Journal Mineral, **10** (1998) 423
- 31) **Cleavage Mechanism and Surface Chemical Characterization of Tschermack substitute Muscovite (T Polytype) and Muscovite (3M1 Polytype) as constrained by X-Ray Photoelectron Spectroscopy**  
*G.G. Biino and P. Gröning*  
Phys. Chem. Mineral, **25** (1998) 168
- 32) **Weathering and Polymerization of Tektite: an X-ray Photoelectron Spectroscopy (XPS) Investigation**  
*G.G. Biino, P. Gröning and T.C. Meisel*

- Meteoritics & Planetary Science, **33** (1998) 89
- 33) Breakdown behaviour of oil impregnated polypropylene as dielectric in capacitors**  
*A. Schneuwly, P. Gröning, L. Schlapbach, C. Irrgang and J. Vogt*  
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- 34) Influence of Surface Contamination on Metal/Metal Bond Contact Quality**  
*A. Schneuwly, P. Gröning, L. Schlapbach, V. Jaecklin*  
Journal of Electronic Materials, **27** (1998) 90
- 35) Bondability Analysis of Bond Pads by Thermoelectric Temperature Measurements**  
*A. Schneuwly, P. Gröning, L. Schlapbach, G. Müller*  
Journal of Electronic Materials, **27** (1998) 1254
- 36) Thermoelectric Measurements for Bondability Analysis of Bond Pads: A New Concept for a Bondability Analyser**  
*P. Gröning, P. Schwaller, A. Schneuwly, L. Schlapbach*  
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- 37) The deposition of anti-adhesive ultra-thin Teflon-like films and their interaction with polymers during hot embossing**  
*R.W. Jaszewski, H. Schiff, B. Schnyder, A. Schneuwly and P. Gröning*  
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- 38) Field emission spectroscopy from discharge activated chemical vapor deposition diamond**  
*O. Gröning, O.M. Küttel, P. Gröning, and L. Schlapbach*  
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- 39) Field emission properties of noncrystalline chemically vapour deposited diamond films**  
*O. Gröning, O.M. Küttel, P. Gröning, and L. Schlapbach*  
J. Vac. Sci. Technol., **B 17** (1999) 1970
- 40) Field Emission properties of carbon nanotubes**  
*O. Gröning, O.M. Küttel, Ch. Emmenegger, P. Gröning, and L. Schlapbach*  
J. Vac. Sci. Technol., **B 18** (1999) 665
- 41) Thermal and Chemical Properties of a Glass in the System SiO<sub>2</sub>-CaO-Na<sub>2</sub>O-F for Dental Applications**  
*M. Schweiger, P. Gröning, L. Schlapbach, W. Höland V. Rheinberger*  
Journal of Thermal Analysis and Calorimetry, **60** (2000) 1009
- 42) Surface and Friction Characterization by Thermoelectric Measurements during Ultrasonic Friction Processes**  
*P. Schwaller, P. Gröning, A. Schneuwly, P. Boschung, E. Müller, M. Blanc, and L. Schlapbach*  
Ultrasonics, **38** (2000) 212
- 43) The protection of metallic archaeological objects using plasma polymer coatings**  
*L. Favre-Quattropani, P. Gröning, D. Ramseyer, and L. Schlapbach*  
Surface and Coatings Technology, **125** (2000) 377
- 44) Hydrogen Atoms Cause Long-Range Electronic Effects on Graphite**  
*P. Ruffieux, O. Gröning, P. Schwaller, L. Schlapbach, and P. Gröning*  
Phys. Rev. Lett., **84** (2000) 4910
- 45) Le Plasma: Un outil très performant pour le traitement de surfaces dans des applications technologiques diverses**  
*M. Collaud Coen, P. Gröning*  
Oberflächen/Polysurfaces, **41** (2000) 15

- 46) **Experimental determination of the transmission factor for the Omicron EA 125 electron analyzer**  
*P. Ruffieux, P. Schwaller, O. Gröning, L. Schlapbach, P. Gröning, Q.C. Herd, D. Funnemann, and J. Westermann*  
Rev. Sci. Instr., **71** (2000) 3624
- 47) **Carbon nano/micro-structures in field emission: environmental stability and field enhancement distribution**  
*L. Nilsson, O. Gröning, P. Gröning, O.M. Küttel, and L. Schlapbach*  
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- 48) **Protein adsorption on topographically nanostructured titanium**  
*C. Galli, M. Collaud Coen, R. Hauert, V.L. Katanaev, M. P. Wymann, P. Gröning, and L. Schlapbach*  
Surface Science Letters, **474** (2001) L180
- 49) **Adsorption and bioactivity of protein A on silicon surfaces studied by AFM and XPS**  
*M. Collaud Coen, R. Lehmann, P. Gröning, M. Biemann, C. Galli, and L. Schlapbach*  
J. Colloid and Interf. Sci., **233** (2001) 180
- 50) **Hydrogen for novel materials and devices**  
*L. Schlapbach, A. Züttel, P. Gröning, O. Gröning, and Ph. Aebi*  
Applied Physics A, **72** (2001) 245
- 51) **Characterization of thin film electron emitters by scanning anode field emission microscopy**  
*L. Nilsson, O. Gröning, P. Gröning, O.M. Küttel, L. Schlapbach, C. Thueson, R. Fink and Z. Yaniv*  
J. Appl. Phys., **90** (2001) 768
- 52) **Collective Emission degradation behavior of carbon nanotube thin film electron emitters**  
*L. Nilsson, O. Gröning, P. Gröning, and L. Schlapbach*  
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- 53) **Polymers and Cold Plasmas**  
*P. Gröning, M. Collaud Coen and L. Schlapbach*  
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- 54) **Properties and characterization of chemical vapor deposition diamond field emitters**  
*O. Gröning, L-O. Nilsson, P. Gröning, and L. Schlapbach*  
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- 55) **From Diamond to Carbon Nanotube Field Emitter**  
*O. Gröning, L-O. Nilsson, P. Gröning, and L. Schlapbach*  
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- 56) **Metal layers for long-lived FPC-Application**  
*L. Egger, P. Gröning, R. Müller, B. Kindle-Hasse, W. Siefert*  
Vakuum in Forschung und Praxis, **6** (2001) 367
- 57) **Microscopic characterization of electron field emission**  
*L. Nilsson, O. Gröning, O. Küttel, P. Gröning, and L. Schlapbach*  
J. Vac. Sci. Technol. B, **20** (2002) 326
- 58) **Supramolecular columns of hexabenzocoronenes on copper and gold (111) surfaces**  
*P. Ruffieux, O. Gröning, M. Biemann, L. Schlapbach, C. Simpson, K. Müllen, and P. Gröning*  
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- 59) **Functionalization of graphite, glassy carbon, and polymer surfaces with highly oxidized sulfur species by plasma treatments**

- M. Collaud Coen, B. Keller, P. Gröning, and L. Schlapbach*  
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- 60) AgO mixed valence on in-situ electron cyclotron resonance plasma oxidized Ag(110) crystals**  
*M. Biemann, O. Gröning, P. Ruffieux, P. Schwaller, and P. Gröning*  
Physical Review B, **65** (2002) 235431
- 61) H<sub>2</sub> plasma treatment of silver contacts: impact on wirebonding performance**  
*M. Biemann, P. Ruffieux, P. Schwaller, P. Saudan, L. Schlapbach, and P. Gröning*  
Journal of Electronic Materials, **31** (2002) 1316
- 62) Hydrogen adsorption on sp<sup>2</sup>-bonded carbon: Influence of the local curvature**  
*P. Ruffieux, O. Gröning, M. Biemann, P. Mauron, L. Schlapbach, and P. Gröning*  
Physical Review B, **66** (2002) 245416
- 63) Prospects and Limitations of Carbon Nanotube Field Emission Electron Sources**  
*O. Gröning, R. Clergeraux, L. Nilsson, P. Ruffieux, P. Gröning, and L. Schlapbach*  
CHIMIA, **56** (2002) 553
- 64) Creation of Nanostructures to Study the Topographical Dependency of Protein Adsorption**  
*C. Galli, M. Collaud Coen, R. Hauert, V.L. Katanaev, P. Gröning, and L. Schlapbach*  
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- 65) Modification of the Micro- and Nanotopography of Several Polymers by Plasma Treatments**  
*M. Collaud Coen, R. Lehmann, P. Gröning, and L. Schlapbach*  
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- 66) Hydrogen chemisorption on sp<sup>2</sup>-bonded carbon: Influence of the local curvature and local electronic effects**  
*P. Ruffieux, O. Gröning, M. Biemann, and P. Gröning*  
Applied Physics A, **78** (2004) 975 – 980
- 67) Formation of Al<sub>4</sub>Cu<sub>9</sub> on the 5 fold surface of icosahedral AlPdMn**  
*M. Biemann, A. Barranco, P. Ruffieux, O. Gröning, R. Fasel, R. Widmer, and P.A. Gröning*  
Advanced Engineering Materials, **7** (2005) 392
- 68) Plasma Polymerization of Rhodamine 6G thin films**  
*A. Barranco, M. Biemann, R. Widmer, and P. Gröning*  
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- 69) Charge-density oscillation on graphite induced by the interference of electron waves**  
*P. Ruffieux, M. Melle-Franco, F. Zerbetto, O. Gröning, M. Biemann, and P. Gröning*  
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- 70) Electronic State Characterization of SiO<sub>x</sub> thin Films Prepared by Evaporation**  
*A. Barranco, F. Yubero, J.P. Espinos, P. Gröning, and A.R. González-Elise*  
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- 71) LT-STM-Spectroscopy of the icosahedral AlPdMn Surface**  
*R. Widmer, P. Ruffieux, O. Gröning, M. Biemann, and P. Gröning*  
Philosophical Magazine A, **86** (2006) 773 – 780
- 72) The Local Density of States on the 2-Fold Surface of the Icosahedral AlPdMn Quasicrystal**  
*O. Gröning, R. Widmer, P. Ruffieux, and P. Gröning*  
Philosophical Magazine A, **86** (2006) 781 – 787

- 73) **(2x1)-Na surface reconstruction induced by NaCl dissociation on Ag(110) during LEED analysis**  
*K. Ait-Mansour, M. Biemann, O. Gröning, P. Ruffieux, R. Fasel, and P. Gröning*  
Applied Surface Science, **252** (2006) 6368 – 6374
- 74) **Self-organization of extended polycyclic aromatic hydrocarbons on Cu (111)**  
*P. Ruffieux, O. Gröning, R. Fasel, M. Kastler, D. Wasserfallen, K. Müllen, and P. Gröning*  
Journal of Physical Chemistry B **110** (2006) 11253 – 11 258
- 75) **Evidence for strained cubic structure in 1D quasiperiodic buckling of Cu thin films on icosahedral AlPdMn**  
*M. Biemann, O. Gröning, P. Ruffieux, J. Ledieu, R. Fasel, R. Widmer, D. Naumovic, and P. Gröning*  
Phys. Rev. B, submitted (2006)
- 76) **Fluorescent nanocomposite thin films by plasma assisted deposition of rhodamine 6G laser dye**  
*A. Barranco and P. Gröning*  
Langmuir, **22** (2006) 6719 – 6722
- 77) **Surface Chirality of Inorganic CuO Thin Films**  
*R. Widmer, R. Fasel, O. Gröning, F.-J. Haug, P. Ruffieux, M. Biemann, P. Gröning*  
JACS **128** (2006) 14103 – 14108
- 78) **C60 on strain-relief patterns of Ag/Pt(111): Film orientation governed by the template superstructure**  
*K. Ait-Mansour, P. Ruffieux, W. Xiao, P. Gröning, R. Fasel, and O. Gröning*  
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- 79) **Plasma characterisation of oxygen-tetramethylsilane mixtures for the plasma enhanced chemical vapour deposition of SiO<sub>x</sub>C<sub>y</sub>H<sub>z</sub> thin films**  
*A. Yanguas-Gil, A. Barranco, J. Cotrino, P.A. Gröning, and A.R. González-Elipe*  
Chem. Vap. Dep., **12** (2006) 728 – 735
- 80) **Formation of a regular fullerene nanochain lattice**  
*W. Xiao, P. Ruffieux, K.A. Mansour, O. Gröning, K. Palotás, W.A. Hofer, P. Gröning, and R. Fasel*  
Journal of Physical Chemistry B, **110** (2006) 21394 – 21398
- 81) **Creation and scanning tunneling microscopy investigations of strong scattering centers produced by hydrogen plasma treatment on single-walled carbon nanotubes**  
*G. Buchs, P. Ruffieux, P. Gröning and O. Gröning*  
Appl. Phys. Lett. **90** (2007) 013104
- 82) **Creation and STM/STS Investigations of Hydrogen Ions Induced Defects on Single-Walled Carbon Nanotubes**  
*G. Buchs, P. Ruffieux, P. Gröning, and O. Gröning*  
Journal of Physics (Conference Ed.), **61** (2007) 160 – 165
- 83) **Nucleation and growth of C<sub>60</sub> overlayers on the Ag/Pt(111) dislocation network surface**  
*K. Ait-Mansour, P. Ruffieux, W. Xiao, R. Fasel, P. Gröning, and O. Gröning*  
Journal of Physics (Conference Ed.), **61** (2007) 16 – 21
- 84) **Site- and Oriented-Selective Anchoring of a Prototype Molecular Building Block**  
*P. Ruffieux, K. Palotás, O. Gröning, D. Wasserfallen, K. Müllen, W.E. Hofer, P. Gröning, and R. Fasel*  
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- 85) **Creation and scanning tunneling microscopy investigations of strong scattering centers produced by hydrogen plasma treatment on single-walled carbon nanotubes**  
*G. Buchs, P. Ruffieux, P. Gröning and O. Gröning*  
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- 86) Engineering paired electron states in the gap of semiconducting carbon nanotubes**  
*G. Buchs, A.V. Krasheninnikov, P. Ruffieux, P. Gröning, A.S. Foster, R. M. Nieminen, and O. Gröning*  
New J. Phys., **9** (2007) 275 – 287
- 87) Optical Active Thin Films Deposited by Plasma Polymerization of Dye Molecules**  
*A. Barranco, F. Aparicio, A. Yanguas-Gil, P. Gröning, J. Cetrino, A. R. González-Elipe*  
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- 88) An Aromatic Coupling Motif for Two-Dimensional Supramolecular Architectures**  
*M. Treier, P. Ruffieux, P. Gröning, S. Xiao, C. Nuckolls, and R. Fasel*  
Chemical Communications **38** (2008) 4509 – 4648
- 89) Fabrication of a well ordered nano-hole array stable at room temperature**  
*K. Ait-Mansour, A. Buchsbaum, P. Ruffieux, M. Schmid, P. Gröning, P. Varga, R. Fasel, and O. Gröning*  
Nano Letters, **8** (2008) 2035 – 2040
- 90) Defect-Induced Negative Differential Resistance in Single-Walled Carbon Nanotubes**  
*G. Buchs, P. Ruffieux, P. Gröning, and O. Gröning*  
Appl. Phys. Lett. **93** (2008) 073115
- 91) Luminescent and optical properties of nanocomposite thin films deposited by remote plasma polymerisation of Rhodamine 6G**  
*F.J. Aparicio, A. Borrás, I. Blaszczyk-Lezak, P. Gröning, A. Álvarez-Herrero, M. Fernández-Rodríguez, and A. Barranco*  
Plasma Processes and Polymers, **6** (2009) 17 – 26
- 92) Synthesis of supported Single-Crystalline Organic Nanowires by Physical Vapor Deposition**  
*A. Borrás, M. Aguirre, O. Groening, C. López-Cartes, and P. Groening*  
Chemistry of Materials, **20** (2008) 7371 – 7373
- 93) Positional and orientational templating of C<sub>60</sub> molecules on the Ag/Pt(111) strain-relief pattern**  
*K. Ait-Mansour, P. Ruffieux, P. Groening, R. Fasel, O. Groening*  
J. Phys. Chem. C, **113** (2009) 5292 – 5299
- 94) Mapping the electronic surface potential of nano-structured surfaces**  
*P. Ruffieux, K. Ait-Mansour, A. Bendounan, R. Fasel, L. Patthey, P. Gröning, and O. Gröning*  
Phys. Rev. Lett., **102** (2009) 086807
- 95) Experimental Signatures of Spiky Local Density of States in Quasicrystals**  
*R. Widmer, P. Gröning, M. Feuerbacher, and O. Gröning*  
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- 96) High Resolution Scanning Tunneling Microscopy investigation of the (12110) and (10000) two-fold sym-metric d-AlNiCo quasicrystalline surfaces**  
*R. Maeder, R. Widmer, P.A. Groening, S. Deloudi, W. Steurer, M. Heggen, P. Schall, O. Groening*  
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- 96) Scattering dynamics in intra-nanotube quantum dots**  
*G. Buchs, D. Bercioux, P. Ruffieux, P. Gröning, H. Grabert, and O. Gröning*  
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- 97) Modifying the electronic structure of semiconducting single-walled carbon nanotubes by Ar<sup>+</sup> ion irradiation**  
*A. Tolvanen, G. Buchs, P. Ruffieux, P. Gröning, O. Gröning, and A. V. Krasheninnikov*  
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