

Publikationen 1997

Alonso-Vante, N.; Borthen, P.; Fieber-Erdmann, M.: A Contribution Towards the Understanding of the Catalytic Centre on Novel Clustering Materials 2nd International Symposium "New Materials for Fuel Cell and Modern Battery Systems" Montréal, Canada, Savadogo, Roberge (Eds.), (1997), pp. 654-665

Alonso-Vante, N.; Fieber-Erdmann, M.; Rossner, H.; Holub-Krappe, E.; Gorgetti, Ch.; Tadjeddine, A.; Dartyge, E.; Fontaine, A.; Frahm, R.: The Catalytic Center of Transition Metal Chalcogenide vis-à-vis the Oxygen Re-duction Reaction: An In Situ Electro-chemical EXAFS Study J. Phys. IV France, 7 (1997), pp. 887- 889

Alonso-Vante, N.; Fieber-Erdmann, M.; Rossner, H.; Holub-Krappe, E.: EXAFS Application on Electrocatalytic Cluster Material: Electrochemical in situ and ex situ Studies HASYLAB Jahresbericht, I-317 (1996)

Bungs, M.; Tributsch, H.: Electrochemical and Photoelectro-chemical Insertion and Transport of Hydrogen in Pyrite Ber. Buns. Phys. Chem., 101 (1997), pp. 1844-1850

Chaparro, A. M.; Alonso-Vante, N.; Salvador, P.; Tributsch, H.: Dynamics of the Oxygen-evolving RuS₂/Electrolyte Interface. An Electro-reflectance Study J. Electrochem. Soc., (1997), pp. 2991-2996

Chaparro, A.; Tributsch, H.: Minority Carrier Dynamics and Interfacial Kinetics at the ZnO/Electrolyte Interface Studied by Combined Photocurrent/Micro-wave Photoconductivity Measurements J. Phys. Chem. B, 101 (1997), pp. 7428-7434

Ellmer, K.; Höpfner, C.: On the Stoichiometry of the Semiconductor Pyrite (FeS₂) Phil. Mag. A, 75 (1997), pp. 1129-1151

Ellmer, K.; Stock, C.; Diesner, K.; Sieber, I.: Deposition of c-Oriented Tungsten Disulfide (WS₂) Layers by Reactive DC Magnetron Sputtering from a W-Target in Ar/H₂S J. Crystal Growth, 182 (1997), pp. 389-393

Ellmer, K.; Wendt, R.: DC and RF (Reactive) Magnetron Sputtering of ZnO:Al-Films from Metallic and Ceramic Targets: A Comparative Study Surf. Coat. Techn., 93 (1997), pp. 21-26

Elmiger, J.; Kunst, M.: Transition from minority to ambipolar transport in crystalline silicon at high temperature Mat. Res. Soc. Symp. Proc., Vol 426, (1996), pp. 129-134

Elmiger, J.; Kunst, M.: Investigations of silicon nitride films for silicon solar cells Solid-State Electronics, 41 (1997), pp. 1257-1261

[HMI Solarenergieforsch.](#)[Solare Energetik](#)[Publikationen](#)

Listen: 1997-2002

[Jahrgang 2002](#)[Jahrgang 2001](#)[Jahrgang 2000](#)[Jahrgang 1999](#)[Jahrgang 1998](#)[Jahrgang 1997](#)

Elmiger, J.; Schieck, R.; Kunst, M.: Recombination at the silicon nitride / silicon interface J. Vac. Sci. Technol., A15 (1997), pp. 2418-2425

Feist, H.; Kunst, M.: Numerical simulation of the transient photoconductivity in a-Si: H as a function of the excitation density Mat. Res. Soc. Symp. Proc., Vol. 467 (1997), pp. 203-208

Feist, H.; Kunst, M.; Swiatkowski, C.: Influence of defects on excess charge carrier kinetics studied by transient PC and transient PA Mat. Res. Soc. Symp. Proc., Vol. 467 (1997), pp. 203-208

Feist, H.; Swiatkowski, C.; Elmiger, J.R.; Kunst, M.: n-situ investigation of the a-Si: H/C-Si inter-face Mat. Res. Soc. Symp. Proc., Vol. 420 (1996), pp. 449-454

Fiechter, S., Tomm, Y., Diesner, K. and Scheer, R.: Phase Behavior and Homogeneity Ranges of Chalcopyrite-type Compound Semiconductors 11th International Conference on Ternary and Multinary Compounds (ICTMC-11), Salford, England, 8.- 12.9.97

Fiechter, S.; Kurzweil, A., Castleberry, R.H.; Bachmann, K.J.: Composition of the Equilibrium Vapor Phase over ZnGeP₂ and Thermal Stability Infrared Applications of Semiconductor-Materials, Processing and Devices; Editors: M.O. Manasreh, T. H. Myers and F.H. Julien, Materials Research Society, Pittsburgh, Pennsylvania, Symposium Proceedings, Vol. 450 (1997), pp. 321-326

Fiechter, S; Castleberry, R.H.; Diesner, K.; Bachmann, K.J.: Melt Growth of ZnGeP₂: Homogeneity Range and Thermodynamic Properties Infrared Applications of Semiconductor-Materials, Processing and Devices; Editors: M.O. Manasreh, T.H. Myers and F.H. Julien, Materials Research Society, Pittsburgh, Pennsylvania, Symposium Proceedings, Vol. 450 (1997), pp. 315-320

Friebe, P.; Bogdanoff, P.; Alonso-Vante, N.; Tributsch, H.: A Real Time Mass Spectroscopy Study of the (Electro)chemical Factors Affecting CO₂ Reduction at Copper J. Catalysis, 168 (1997), pp. 374-385.

Grünwald, R.; Tributsch, H.: Mechanisms of Instability in Ru-Based Dye Sensitization Solar Cells J. Phys. Chem., 101 (1997), pp. 2564-2575

Kunst, M.; Wunsch, F.: The optoelectronic characterization of silicon by excess free charge carrier absorption measurements Inst. Phys. Conf. Ser. No. 160 (1997), pp. 301-304

Matthäus, A.; Ennaoui, A.; Fiechter, S.; Kiesewetter, T.; Diesner, K.; Sieber, I.; Jaegermann, W.: Highly Textured Films of Layered Metal Disulfide 2H-WS_2 : Preparation Conditions and Optoelectronic Properties. Journal of the Electrochemical Society , 144 (1997), pp. 1013-1019.

Schieck, R.; Kunst, M.: Frequency modulated microwave photo-conductivity measurements for the characterization of silicon wafers. Solid-State Electronics, 41 (1997), pp. 1755-1760

Solorza-Feria, O.; Noreiga R.; Alonso-Vante, N.: Catalytic Activity of Ruthenium

Chalcogenide Compounds toward Oxygen Reduction in Acid Medium 2nd Intern. Symp. "New Materials for Fuel Cell and Modern Battery Systems" Montréal, Canada; Savadogo, Roberge (Ed.), (1997), pp. 666-672

Thomas, B.; Ellmer, K.; Müller, M.; Höpfner, C.; Fiechter, S.; Tributsch, H.: Structural and Photoelectrical Properties of FeS₂ (Pyrite) Thin Films Grown by MOCVD J. Crystal Growth, 170 (1997), pp. 808-812

Tomm, Y., Fiechter, S., Fischer, C. H. and Salzmann, Ch.: Homogeneity range and crystal growth of CuGaSe₂ (P) 11th International Conference on Ternary and Multinary Compounds (ICTMC-11), Salford, England, 8.- 12.9.97

Tributsch, H.; Pohlmann, L.: Synergetic Electron Transfer in Molecular Electronic and Photosynthetic Mechanisms J. Electroanalytical Chemistry 438 (1997) 37-41

Tributsch, H.: Challenges for (photo)electrocatalysis research. Catalysis Today, 39 (1997) pp. 177-186

Tributsch, H.: Der Vorteil interdisziplinärer und synergetischer Strategien bei der Entwicklung und Anwendung von Solartechnologie Symposium "Die Zukunft der Solartechnik" der Thüringer Landesregierung, der Bayerischen Staatsregierung und der EU-Kommission in Coburg, September 1996, Hrsg.: Bayrisches Staatsministerium für Wirtschaft, Verkehr und Technologie, München Tagungsbericht Band 30: "Die Zukunft der Solartechnik" - Einsatzmöglichkeiten der Solarthermie und Photovoltaik, (1997), pp. 209-216

Tributsch, H.: Bionische Vorbilder für solare Energietechnik Vortrag zur Ringvorlesung Bionik, FH Hamburg, 1995, Hrsg.: Arnim von Gleich :Bionik, Ökologische Technik nach dem Vorbild der Natur? B. G. Teuber GmbH Stuttgart (1998) 219-236

Wendt, R.; Ellmer, K., Wiesemann, K.: Thermal Power at a Substrate during ZnO:Al Thin Film Deposition in a Planar Magnetron Sputtering System J. Appl. Phys., 82 (1997), pp. 2115-2122

Wendt, R.; Ellmer, K.: Desorption of Zn from a Growing ZnO:Al-Film Deposited by Magnetron Sputtering Surf. Coat. Techn., 93 (1997), pp. 27-31

Letzte Änderung: 13.11.2003 , Verantwortlich: [Webmaster SE5](#)

