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## Publications

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Parts of the experimental work carried out at the Hahn-Meitner-Institute or at the synchrotron facility BESSY (in joint projects with the group of Prof. C.A. Papageorgopoulos) have been published. Their content has been partially integrated in this dissertation.

- M. Kamaratos, V. Saltas, C.A. Papageorgopoulos, W. Jaegermann, C. Pettenkofer and D. Tonti, “Interaction of Na and Cl<sub>2</sub> on WSe<sub>2</sub> (0001) surfaces chlorine-induced Na deintercalation”, Surface Science **404** (1998) 37-41
- C.A. Papageorgopoulos, M. Kamaratos, V. Saltas, W. Jaegermann, C. Pettenkofer and D. Tonti, “Na and Cl<sub>2</sub> interaction on 1T and 2H-TaSe<sub>2</sub> (0001) surfaces”, Surface Review and Letters **5** (1998) 997-1005
- D. Tonti, C. Pettenkofer, W. Jaegermann, D.C. Papageorgopoulos, M. Kamaratos and C.A. Papageorgopoulos, “Alkali displacements in intercalated 1T-TaSe<sub>2</sub>”, Ionics **4** (1998) 93-100
- M. Kamaratos, C.A. Papageorgopoulos, D.C. Papageorgopoulos, D. Tonti, C. Pettenkofer and W. Jaegermann, “Cesium deintercalation by Li or Na deposited on 1T-TaSe<sub>2</sub> (0001) surfaces”, Applied Surface Science **147** (1999) 101-106
- M. Kamaratos, C.A. Papageorgopoulos, D.C. Papageorgopoulos, D. Tonti, C. Pettenkofer and W. Jaegermann, “Interaction between Li and Na intercalated into 1T-TaSe<sub>2</sub> layer compounds”, Surface Review and Letters **6** (1999) 205-211
- C.A. Papageorgopoulos, M. Kamaratos, D.C. Papageorgopoulos, D. Tonti, C. Pettenkofer and W. Jaegermann “Exchange reaction between Li and Na intercalated into TiS<sub>2</sub>”, Surface Science **436** (1999) 213-219
- D. Tonti, C. Pettenkofer and W. Jaegermann “In-situ photoelectron spectroscopy study of a TiS<sub>2</sub> thin film cathode in an operating Na intercalation electrochemical cell”, Ionics **6** (2000) 196-202
- D. Tonti, C. Pettenkofer and W. Jaegermann “In-situ photoelectron spectroscopy study of a TiS<sub>2</sub> cathode in an operating battery system”, Electrochemical and Solid-State Letters **3** (2000) 220-223
- D.C. Papageorgopoulos, V. Saltas, C.A. Papageorgopoulos, D. Tonti, C. Pettenkofer and W. Jaegermann “Synchrotron radiation studies on the growth of TSe<sub>2</sub> (T=Ta, Ti) thin films on Ta substrates: intercalation and de-intercalation of Na”, Applied Surface Science **161** (2000) 347-354
- V. Saltas, C.A. Papageorgopoulos, D.C. Papageorgopoulos, D. Tonti, C. Pettenkofer and W. Jaegermann “A synchrotron radiation study of Cu<sub>x</sub>Se<sub>y</sub> and Na<sub>x</sub>Cu<sub>y</sub>Se<sub>z</sub> thin films formation on Cu substrates; Cl<sub>2</sub> induced out-diffusion of Na”, Surface Review and Letters **7** (2000) 235-242
- D.C. Papageorgopoulos, V. Saltas, C.A. Papageorgopoulos, D. Tonti, C. Pettenkofer and W. Jaegermann “A synchrotron radiation study on the adsorption of W and Se on Cu substrates”, in preparation
- V. Saltas, C.A. Papageorgopoulos, D.C. Papageorgopoulos, D. Tonti, C. Pettenkofer and W. Jaegermann “Synchrotron radiation studies of transition metal selenide thin films formation on Ti, Mo and Cu substrates: in and out diffusion of Li”, in preparation