

Publications about **c-BN and BCN**

Deposition of Thermal CVD Low-Pressure Diamond on cub-BN

R.Haubner

* Poceedings: Advances in Hard Materials Production, London, 11-13 April 1988, 34-1/17

* J.Ref. Hard Metals, Vol.9, No.2, 70-76 (1990)

Comparative Aspects of c-BN and diamond CVD

S.Bohr, R.Haubner, B.Lux

* Proc. DIAMOND FILMS '94, Il Ciocco, Tuscany, Italy, Sept.25-30, 1994, pp. 714-719

* Diamond and Related Materials 4 (1995) 714-719

A Comparison of low-pressure CVD Synthesis of Diamond and c-BN

A.Bartl, S.Bohr, R.Haubner, B.Lux

Refractory Metals & Hard Materials 14 (1996) 145-157

Investigation of the c-BN / h-BN transformation at normal pressure

H.Sachdev, R.Haubner, H.Nöth, B.Lux

* Proc. DIAMOND 1996, Sept.8-13, 1996, Tours, France, pp. 286-292

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* Diamond and Related Materials 6 (1997) 286-292

Pathways to c-BN from melts at atmospheric pressure

H.Sachdev, X.Tang, R.Haubner, B.Lux

* 14th Int. Plansee Seminar '97, Mai 1997, Reutte, Austria, Editors: G.Kneringer, P.Rödhammer, P.Wilhartitz, Proc., Vol.3, C16, 144-158

* Refractory Metals & Hard Materials 16 (1998) 243-251

Deposition of B-C-N coatings from Trisdimethylaminoboran by hot-filament and microwave plasma deposition

W.Kalss, R.Haubner, B.Lux

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Preparation of BN films in the B - N - F system

W.Kalss, R.Haubner, B.Lux

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B.Lux, A.Bartl, R.Haubner, W.Kalss, H.Sachdev, X.Tang

The Fourth IUMRS-ICA-97 Symposium I, Super Carbon, Sept. 16-17, 1997, Makuhari, Japan, pp.127-132, Editors: S.Fujiwara, M.Kamo, R.Ruoff, R.Heimann, D.Marton, H.Hiraoka, MYU, Tokyo 1998

Nucleation of c-BN on various substrate materials at high-pressures - high-temperature conditions

B.Lux, W.Kalss, R.Haubner, T.Taniguchi

* Proc. DIAMOND 1998, Sept. 13-18, 1998, Crete, Greece pp. 415-422

Editors: A.M.Bonnot, P.John, H.Kawarada, A.H.Lettington, Z.Sitar, R.Zachai, ELSEVIER

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Thermal decomposition of Tri(dimethyl)amino-boran as single source precursor in order to deposit Ternary Boron-Carbon-Nitrogen i.e. (B-C-N) coatings

K. Aigner, X. Tang, R. Haubner and B. Lux

Proc. of ADC/FCT CONFERENCE 1999, Editors: M.Yoshikwa, Y.Koga, Y.Tzeng, C.-P.Klages, K.Miyoshi, pp.301-306, Aug. 31- Sep. 3, 1999, AIST-Tsukuba Research Center, TSUKUBA, JAPAN

Deposition of Ternary Boron-Carbon-Nitrogen (BCN) Layers by Thermal Decomposition of Tris(dimethylamino)boran

K.Aigner, X.Tang, R.Haubner, B.Lux

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SIMS: a capable method for BCN quantification

T.Kolber, K.Piplits, S.Dreer, E.Mersdorf, R.Haubner, H.Hutter

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Effect of B, N and P on low-temperature diamond growth

R.Haubner, B.Lux

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Deposition of BCN Layers from B-C-N-H Single Source Precursors

R.Weissenbacher, R.Haubner

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K.Gammer, T.Kolber, K.Piplits, K.Nowikow, X.Tang, R.Haubner, H.Hutter

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Chemical vapour deposition using boron, carbon and nitrogen containing Single Source Precursor

R. Haubner, R. Weissenbacher:

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HF-CVD of B, C, N containing layers on various substrates by the decomposition of triethylborazine

R. Weissenbacher, R. Haubner

Diamond and Related Materials (2003), 12(3-7), 884-890

Superhard coatings for wear parts

R. Haubner

Poster: PM2004 Powdermetallurgy World Congress&Exhibition, Wien; 17.10.2004 - 21.10.2004; in: "PM2004 Powdermetallurgy World Congress&Exhibition", H. Danninger, R. Ratzi (Hrg.); EPMA, Shrewsbury, Vol. 2 (2004), 1899072 15 2; S. 483 - 489.

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