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Groupe d'Étude de la Matière Condensée

DIAM – PUBLICATIONS 2006-2009

2009

E. Vanhove, J. de Sanoit, P. Mailley, M.A. Pinault, F. Jomard, P. Bergonzo

"High reactivity and stability of diamond electrodes: The influence of the B-doping concentration"

Physica Status Solidi a-Applications and Materials Science 206 (2009) 2063

C. Thiandoume, J. Barjon, O. Ka, A. Lusson, P. Galtier, V. Sallet

"Morphology transition of one-dimensional ZnO grown by metal organic vapour phase epitaxy on (0001)-ZnO substrate"

Journal of Crystal Growth 311 (2009) 4311

F. Silva, J. Achard, O. Brinza, X. Bonnin, K. Hassouni, A. Anthonis, K. De Corte, J. Barjon

"High quality, large surface area, homoepitaxial MPACVD diamond growth"

Diamond and Related Materials 18 (2009) 683

C. Mer-Calfati, N. Habka, A. Ben-Younes, M.A. Pinault, J. Barjon, P. Bergonzo

"High surface smoothening of diamond HPHT (100) substrates"

Physica Status Solidi A-applications and Materials Science 206 (2009) 1955

A. Lazea, J. Barjon, J. D'Haen, V. Mortet, M. D'Olieslaeger, K. Haenen

"Incorporation of phosphorus donors in (110)-textured polycrystalline diamond"

Journal of Applied Physics 105 (2009) 083545

T. Kociniowski, Z. Remes, C. Mer, M. Nesladek, N. Habka, J. Barjon, F. Jomard, J. Chevallier, F. Omnes, D. Tromson, P. Bergonzo

"Study of the passivation mechanisms of boron doped diamond using the Amplitude Modulated Step Scan Fourier Transform Photocurrent Spectroscopy"

Diamond and Related Materials 18 (2009) 827

K. Haenen, A. Lazea, J. Barjon, J. D'Haen, N. Habka, T. Teraji, S. Koizumi, V. Mortet

"P-doped diamond grown on (110)-textured microcrystalline diamond: growth, characterization and devices"

Journal of Physics-condensed Matter 21 (2009) 364204

N. Habka, J. Barjon, F. Jomard, J. Chevallier, C. Mer, P. Bergonzo, M. Nesladek, A. Kumar, J. Pernot, F. Omnes

"Evidence of deuterium re-trapping by boron after electron beam dissociation of B-D pairs in diamond"

Diamond and Related Materials 18 (2009) 839

G. Frangieh, M.A. Pinault, J. Barjon, T. Tillocher, F. Jomard, J. Chevallier

"Phosphorus incorporation and activity in (100)-oriented homoepitaxial diamond layers"

Physica Status Solidi A-applications and Materials Science 206 (2009) 2000

G. Frangieh, F. Jomard, M.A. Pinault, J. Barjon

"Influence of tertiarybutylphosphine (TBP) addition on the CVD growth of diamond"

Physica Status Solidi A-applications and Materials Science 206 (2009) 1996

F. Falyouni, L. Benmamas, C. Thiandoume, J. Barjon, A. Lusson, P. Galtier, V. Sallet

"Metal organic chemical vapor deposition growth and luminescence of ZnO micro- and nanowires"

Journal of Vacuum Science & Technology B 27 (2009) 1662

J. Barjon, N. Habka, C. Mer, F. Jomard, J. Chevallier, P. Bergonzo

"Resistivity of boron doped diamond"

Physica Status Solidi-rapid Research Letters 3 (2009) 202

2008

N. Habka, M.A. Pinault, C. Mer, F. Jomard, J. Barjon, M. Nesladek, P. Bergonzo

"Substrate influence on MPCVD boron-doped homoepitaxial diamond"

Phys. Stat. Sol. A 205 (2008) 2169

G. Frangieh, M. A. Pinault, J. Barjon, F. Jomard, J. Chevalier

"Incorporation of arsenic in diamond grown by chemical vapour deposition "

Phys. Stat. Sol. A 205 (2008) 2207

B. Rondeau, V. Sautter, J. Barjon

"New columnar texture of carbonado: cathodoluminescence study"

Diam. Relat. Mat. 17 (2008) 1897

J. Barjon, A. Mehdaoui, F. Jomard, J. Chevallier, C. Mer, M. Nesladek, P. Bergonzo, J. Pernot, F. Omnès, A. Deneuve

"Stability of B-H and B-D complexes in diamond under electron beam excitation"

Appl. Phys. Lett 93 (2008) 062108

P. Jaffrennou, J. Barjon, T. Schmid, L. Museur, A. Kanaev, J.-S. Lauret, C. H. Zhi, C. Tang, Y. Bando, D. Golberg, B. Attal-Tretout, F. Ducastelle, A. Loiseau

"Near-band Edge Recombinations in Multi-Walled Boron Nitride Nanotubes"

Phys. Rev. B 77 (2008) 235422

» Publications 2015-2020

» Publications 2010-2014