

7th Symposium on Vacuum-based Science and Technology

(SVBST 2013)

Journal of Physics: Conference Series Volume 564

**Kolobrzeg, Poland
19-21 November 2013**

**ISBN: 978-1-63439-672-1
ISSN: 1742-6588**

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© by the Institute of Physics
All rights reserved.

Printed by Curran Associates, Inc. (2015)

For permission requests, please contact the Institute of Physics
at the address below.

Institute of Physics
Dirac House, Temple Back
Bristol BS1 6BE UK

Phone: 44 1 17 929 7481
Fax: 44 1 17 920 0979

techtracking@iop.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

Table of contents

Volume 564

7th Symposium on Vacuum-based Science and Technology (SVBST2013)
19–21 November 2013, Kołobrzeg, Poland

Accepted papers received: 11 November 2014

Published online: 28 November 2014

011001

[7th Symposium on Vacuum-based Science and Technology \(SVBST2013\)](#) OPEN
ACCESS W Gulbiński

011002

[Peer review statement](#)

012001

[Hydrogenated amorphous carbon coatings on implants drastically reduce biofilm formation and water permeation](#) OPEN ACCESS F Bernsmann, N Laube, G Baldsiefen and M Castellucci 1

012002

[Preparation of nanocomposite carbonaceous films containing palladium nanograins and studies of the annealing time influence on their structure and sensing properties](#) OPEN ACCESS A Kamińska, M Kozłowski, P Dłużewski and E Czerwosz 12

012003

[Influence of CVD process duration on morphology, structure and sensing properties of carbonaceous-palladium films](#) OPEN ACCESS E Kowalska, A Kamińska, E Czerwosz, M Kozłowski, K Sobczak and B Witkowski 22

012004

[Nanocomposite carbonaceous-palladium thin films for ammonia sensors](#) OPEN ACCESS
S Krawczyk, A Kamińska, M Kozłowski, J Radomska, E Czerwosz and K Sobczak 33

012005

[Temperature modulation in dilatometric investigation of PVD substrate-coating systems](#)
OPEN ACCESS P Myśliński, P Kamasa and A Gilewicz 39

012006

[A cryogenic distillation column for the XENON1T experiment](#) OPEN ACCESS S
Rosendahl, E Brown, I Cristescu, A Fieguth, C Huhmann, M Murra and C Weinheimer
44

012007

[Impulse Plasma In Surface Engineering - a review](#) OPEN ACCESS K Zdunek, K
Nowakowska-Langier, R Chodun, S Okrasa, M Rabinski, J Dora, P Domanowski and J
Halarowicz 51