

VOLUME 626 AUGUST 2014

ISSN 0039-6028

Surface Science

A JOURNAL DEVOTED TO THE
PHYSICS AND CHEMISTRY OF INTERFACES

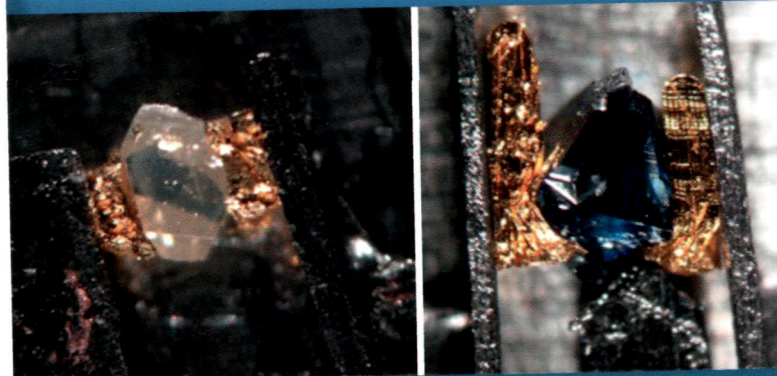
M. MAVRIKAKIS EDITOR-IN-CHIEF

EDITORS

F. KOMORI

R.M. LAMBERT

K. WANDELT



surface science

Abstracted/indexed in: Aluminium Industry Abstracts; Chemical Abstracts; Current Contents: Physical, Chemical and Earth Sciences; EI Compendex Plus; INSPEC; Metals Abstracts. Also covered in the abstract and citation database Scopus®.
Full text available on ScienceDirect®.

Contents

Volume 626 (2014)

Surface Science Letters

Dynamics of small mobile helium clusters near tungsten surfaces

L. Hu, K.D. Hammond, B.D. Wirth and D. Maroudas (USA)

L21

Regular papers

Electronic and energetic properties of Ge(110) pentagons

P. Bampoulis, A. Acun, L. Zhang and H.J.W. Zandvliet (The Netherlands)

1

Adsorption and diffusion of Rh and Au dimers and trimers on graphene/Ru(0001)

D. Teng and D.S. Sholl (USA)

6

Adsorption and stability of malonic acid on rutile TiO₂ (110), studied by near edge X-ray absorption fine structure and photoelectron spectroscopy

K.L. Syres, A.G. Thomas, D.M. Graham, B.F. Spencer, W.R. Flavell, M.J. Jackman and V.R. Dhanak (UK)

14

Effect of visible pulse shaping on the accuracy of relative intensity measurements in BBSFG vibrational spectroscopy

J. Wang, H. Dubost, A. Ghalgaoui, W. Zheng, S. Carrez, A. Ouvrard and B. Bourguignon (France)

26

A comparative study of the plasmonic properties of graphene on lattice-matched and lattice-mismatched Ni surfaces

N. Ligato, A. Cupolillo, A. Sindona, P. Riccardi, M. Pisarra and L.S. Caputi (Italy)

40

Methylamine adsorption and decomposition on B₁₂N₁₂ nanocage: A density functional theory study

M.D. Esrafil and R. Nurazar (Iran)

44

Crucial roles of holes in electronic bond rupture on semiconductor surfaces

J. Tsuruta, E. Inami, J. Kanasaki and K. Tanimura (Japan)

49

An X-ray photoelectron spectroscopy study of BF₃ adsorption on positively and negatively poled LiNbO₃ (0001)

M.W. Herdiech, H. Mönig and E.I. Altman (USA)

53

Surface preparation of TiO₂ anatase (101): Pitfalls and how to avoid them

M. Setvín, B. Daniel, V. Mansfeldova, L. Kavan, P. Scheiber, M. Fidler, M. Schmid and U. Diebold (Austria, Czech Republic)

61

First-principles study of atomic structures and electronic properties of ultrathin Bi films on Ge(111)

C.-H. Hsu, H.-R. Chang, F.-C. Chuang, Y.-T. Liu, Z.-Q. Huang, H. Lin, V. Ozolinš and A. Bansil (Taiwan, Singapore, USA)

68



0039-6028(201408)626C;1-7

Available online at www.sciencedirect.com

ScienceDirect