

CONTENTS

Volume 26
June 2019

NANO TODAY

News and Opinions

Nanoscale carving tunes graphene's bandgap
C. Sealy

Cellulose ion trap turns heat into electricity
C. Sealy

Recipe for nanoparticle interfaces revealed
C. Sealy

Transition metal nanobelts show high conductivity
C. Sealy

Nanoparticle translocation and multi-organ toxicity: A particularly small problem
J.B. Raftis and M.R. Miller

Transparent graphene bioelectronics as a new tool for multimodal neural interfaces
S. Guan, J. Wang and Y. Fang

Reviews

Tumour microenvironment responsive nano-constructs for cancer theranostic
A. Gulzar, J. Xu, C. Wang, F. He, D. Yang, S. Gai, P. Yang, J. Lin, D. Jin and B. Xing

Recent progresses in graphene based bio-functional nanostructures for advanced biological and cellular interfaces
C. Nie, L. Ma, S. Li, X. Fan, Y. Yang, C. Cheng, W. Zhao and C. Zhao

DNA nanostructures *in vitro*, *in vivo* and on membranes

1 W. Bae, S. Kocabey and T. Liedl 98

3 Inherent multifunctional inorganic nanomaterials for imaging-guided cancer therapy
Y. Ju, B. Dong, J. Yu and Y. Hou 108

5 Nanofabrication based on DNA nanotechnology
Y. Zhao, X. Dai, F. Wang, X. Zhang, C. Fan and X. Liu 123

6 Fluorescent silicon nanomaterials: from synthesis to functionalization and application
B. Song and Y. He 149

8 Structure regulation of noble-metal-based nanomaterials at an atomic level
J. Mao, J. Li, J. Pei, Y. Liu, D. Wang and Y. Li 164

13 Programmable three-dimensional advanced materials based on nanostructures as building blocks for flexible sensors
Z. Lou, L. Wang, K. Jiang and G. Shen 176

Corrigendum

57 Corrigendum to "mRNA therapeutics deliver a hopeful message" [Nano Today 23 (2018) 16-39]
Z. Zhong, S. Mc Cafferty, F. Combes, H. Huysmans, J. De Temmerman, A. Gitsels, D. Vanrompay, J. Portela Catani and N.N. Sanders 199

Cover Image:

Grass-like zinc-tin oxide nanostructures growth on chromium thin-film by hydrothermal synthesis at '200°C', using a conventional oven. Image Credit: Ana Rovisco, i3N/CENIMAT, Materials Science Department, CENIMAT/CEMOP, PORTUGAL.

