

Institute of Physics

Կիսահաղորդիչների ֆիզիկայի և միկրոէլեկտրոնիկայի ամբիոն
Lecturer on an hourly basis

✉ a.simonyan@ysu.am

Publications

Article

Nanostructures Nucleation Features and Miscibility Analysis in Zinc-Blend and Wurtzite GaN-InN-AlN Material System

A.K. Simonyan, K.M. Gambaryan, V.M. Aroutiounian

Journal of Nanoscience and Technology 2017 253-255

<http://www.jacsdirectory.com/jnst>

Article

Growth features and nucleation mechanism of Ga_{1-x}In_xAl_yN material system on GaN substrate

Arpine K. Simonyan, Karen M. Gambaryan, Vladimir M. Aroutiounian

Advances in Nano Research 2017 303-311

Article

Competing nucleation of islands and nanopits in zinc-blend III-nitride quaternary material system

K M Gambaryan, V M Aroutiounian, A.K. Simonyan, L S Yeranyan

Journal of Physics: Conference Series 2016 012009 (4 pages)

<http://iopscience.iop.org/journal/1742-6596>

Article

Strain-induced islands and nanostructures shape transition's chronology on InAs (100) surface

K.M. Gambaryan, V.M. Aroutiounian, A.K. Simonyan, Y. Ai, E. Ashalley, Z.M. Wang

Advances in Nano Research 2014 211-217

<http://www.techno-press.org/?journal=anr&subpage=1>

Conference

GaNAlN material system: nanostructures growth features and immiscibility analysis

A.K. Simonyan, K.M. Gambaryan, V.M. Aroutiounian

Conference

Nanostructures Growth Features in GaInAlN Quasiternary Material System

K.M. Gambaryan, A.K. Simonyan

Conference

Competing nucleation of islands and nanopits in zinc-blend and wurtzite GaN-InN-AlN quaternary material system

Ղաճաբոյան Կարեն, Սիմոնյան Արփինէ, Բաղդյան Երան