Made available by Hasselt University Library in https://documentserver.uhasselt.be

A novel explanation for the increased conductivity in annealed Al-doped ZnO: an insight into migration of aluminum and displacement of zinc Supplementary material

MOMOT, Aleksandr; Amini, Mozhgan; REEKMANS, Gunter; Lamoen, Dirk; Partoens, Bart; Slocombe, Daniel; ELEN, Ken; ADRIAENSENS, Peter; HARDY, An & VAN BAEL, Marlies (2017) A novel explanation for the increased conductivity in annealed Al-doped ZnO: an insight into migration of aluminum and displacement of zinc. In: PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2017(19), p. 27866-27877.

DOI: 10.1039/c7cp02936e

Handle: http://hdl.handle.net/1942/25059

Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics. This journal is © the Owner Societies 2017

A novel explanation of increased conductivity in annealed Al-doped ZnO: an insight into migration of aluminum and displacement of zinc: Supplementary data

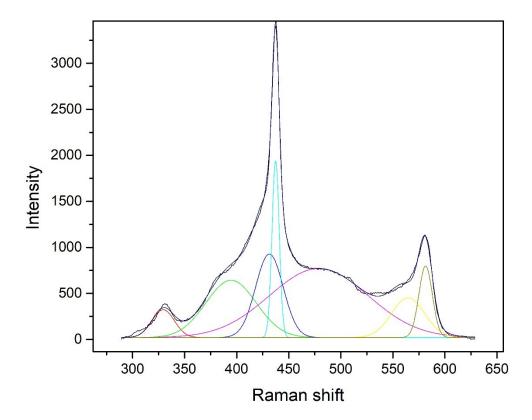
Authors:

A. Momot^a, M.N. Amini^c, G. Reekmans^b, P. Adriaensens^b, D. Lamoen^c, B. Partoens^c, D. R. Slocombe^d, K. Elen^a, A. Hardy^a, M. K. Van Bael^a

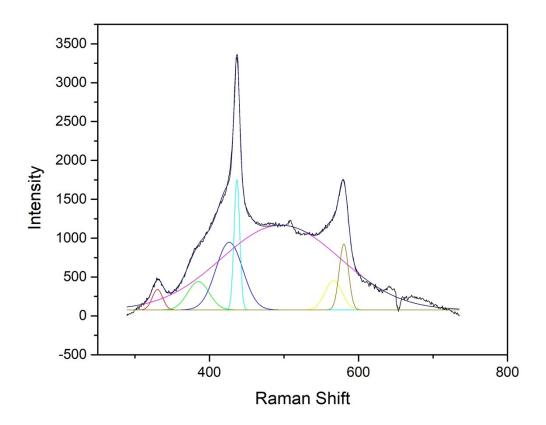
Affiliations

- a) UHasselt Hasselt University, Institute for Materials Research (IMO-IMOMEC), Inorganic and Physical Chemistry, Agoralaan, 3590 Diepenbeek, Belgium
- b) UHasselt Hasselt University, Institute for Materials Research (IMO-IMOMEC), Applied and Analytical Chemistry, Agoralaan, 3590 Diepenbeek, Belgium
- c) CMT & EMAT, Department of Physics, University of Antwerp, Groenenborgerlaan 171, B-2020 Antwerp, Belgium
- d) School of Engineering, Cardiff University, Queen's Buildings, The Parade, Cardiff, CF24 3AA, UK.

Raman analysis



S1. Deconvoluted spectrum of as synthesized AZO.



S2. Deconvoluted spectrum of annealed AZO sample