

Selected Publications

Monodisperse Formamidinium Lead Bromide Nanocrystals with Bright and Stable Green Photoluminescence

L. Protesescu, S. Yakunin, M.I. Bodnarchuk, F. Bertolotti, N. Masciocchi, A. Guagliardi and M.V. Kovalenko.

Journal of American Chemical Society (2016), in press. DOI: 10.1021/jacs.6b08900

A total scattering Debye function analysis study of faulted Pt nanocrystals embedded in a porous matrix

Federica Bertolotti, Daniele Moscheni, Andrea Migliori, Stefano Zacchini, Antonio Cervellino, Antonella Guagliardi and Norberto Masciocchi.

Acta Crystallographica A72, 632-644. *Debye Scattering Equation special edition*.

Crystal symmetry breaking and vacancies in colloidal lead chalcogenide quantum dots

Federica Bertolotti, Dmitry N. Dirin, Maria Ibáñez, Frank Krumeich, Antonio Cervellino, Ruggero Frison, Oleksandr Voznyy, Edward H. Sargent, Maksym V. Kovalenko, Antonietta Guagliardi and Norberto Masciocchi

Nature Materials, (2016), 15, 987-994.

DEBUSSY 2.0 - the new release of a Debye User System for nanocrystalline and/or disordered materials.

Antonio Cervellino, Ruggero Frison, Federica Bertolotti, Antonella Guagliardi.

Journal of Applied Crystallography (2015) 48 2026 - 2032.

Bending by Faulting: A Multiple Scale Study of Copper and Silver Nitropyrazolates

Federica Bertolotti, Angelo Maspero, Antonio Cervellino, Antonietta Guagliardi* and Norberto Masciocchi

Crystal Growth&Design, (2014), 14(6), 2913–2922

The Intermolecular Bonding Features in Solid Iodine

Federica Bertolotti, Anastasia V. Shishkina, Alessandra Forni, Giuliana Gervasio, Adam I. Stash and Vladimir G. Tsirelson.

Crystal Growth&Design, (2014), 14(7), 3587-3595

(*Highlighted cover image of the issue 7/2014*).

Experimental and theoretical charge density of hydrated cupric acetate

Federica Bertolotti, Alessandra Forni, Giuliana Gervasio, Domenica Marabello and Eliano Diana.

Polyhedron, (2012), 42(1) 118-127