

- D. Benea, O. Isnard, V. Pop, *Electronic Structure and Magnetic Properties of the Fe16N2 doped with Ti*, *Journal of Magnetism and Magnetic Materials* 420 (2016) 75
<http://dx.doi.org/10.1016/j.jmmm.2016.06.083>
- R. Gavrea, A. Bolinger, V. Pop, O. Isnard and D. Benea, *Electronic Structure and Magnetic Properties of the Mn_{2-x}Cu_xVAI Heusler compounds*, *Rom. J. of Phys.*, submitted.
- M. Sekania, W. H. Appelt, D. Benea, H. Ebert, D. Vollhardt and L. Chioncel, *Scaling behavior of the Compton profile of alkali metal elements*, *Phys. Rev. B*, submitted
<https://arxiv.org/pdf/1602.01855v1.pdf>
- Josef Andreas Weber, Diana Benea, Liviu Chioncel, Hubert Ceeh, Michael Leitner, Peter Boeni, Dieter Vollhardt, Christoph Hugenschmidt, *Electronic Correlations in Vanadium Revealed by Electron-Positron Annihilation Measurements*, *Phys. Rev. B* 95 075119 (2017)
DOI: [10.1103/PhysRevB.95.075119](https://doi.org/10.1103/PhysRevB.95.075119)
- Teodora Radu, Cristian Iacovita, Diana Benea, and Rodica Turcu, *X-Ray Photoelectron Spectroscopic Characterization of Iron Oxide Nanoparticles*, *Applied Surface Science*, accepted manuscript,
<http://dx.doi.org/10.1016/j.apsusc.2017.02.002>
- D. Benea, A. Östlin, J.A. Weber, L. Chioncel, *Positron annihilation spectroscopy for the pure and Niobium doped ZrCo₂Sn Heusler compound*, *Materials Today: Proceedings*, submitted