

RELEVANT PUBLICATION LIST /
LISTĂ DE PUBLICAȚII RELEVANTEISI Journals /
Jurnale ISI

1. **Thermodynamic analyses of gases formed during the EFG sapphire growth process**
Journal of Crystal Growth, Vol. 275, e1707-e1713, 2005
Bunoiu O., Defoort F., Santailier J.L., Duffar T., Nicoară I.
IF: 1.681, AIS: 0.7
2. **On the voids distribution and size in shaped sapphire crystals**
Crystal Research and Technology, Vol 40, No. 9, 952-859, 2005
Bunoiu O., Nicoară I., Santailier J.L., Theodore F., Duffar T.
IF: 0.833, AIS: 0.3
3. **Concentration distribution of Yb²⁺ and Yb³⁺ ions in YbF₃:CaF₂ crystals**
Journal of Crystal Growth, Vol. 310, No. 7-9, 1476-1481, 2008
Nicoară I., Pecingina-Gârjoaba N., Bunoiu O.
IF: 1.950, AIS: 0.582
4. **Gas bubbles in shaped sapphire**
Progress in Crystal Growth and Charact. of Materials, Vol. 56, No. 3-4, 123-145, 2010
Bunoiu O.M., Duffar T., Nicoară I.
IF: 6.750, AIS: 1.442
5. **Hybrid magnetorheological elastomer: Influence of magnetic field and compression pressure on its electrical conductivity**
Journal of Industrial and Engineering Chemistry, Vol. 20, No. 6, 3994-3999, 2014
Bica I., Anitas E.M., Bunoiu M., Vatzulik B., Juganaru I.
IF: 3.512, AIS: 0.492
6. **Magnetorheological elastomer based on silicone rubber, carbonyl iron and Rochelle salt: Effects of alternating electric and static magnetic fields intensities**
Journal of Industrial and Engineering Chemistry, vol. 37, 312-318, 2016
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IF: 4.421, AIS: 0.606
7. **Hybrid Magnetorheological Elastomers: Effects of the magnetic field on some electrical properties**
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IF: 4.439, AIS: 0.627
8. **Digital Comics, a Visual Method for Reinvigorating Romanian Science Education**
Revista Românească pentru Educație Multidimensională, Vol. 11, No. 4, pp. 321-341, 2019
Craciun D., Bunoiu M.
9. **Investigation of some thermal parameters of ferrofluids in the presence of a static magnetic field**
Journal of Magnetism and Magnetic Materials, Vol. 498, Art. No. 166132, 2020
Bunoiu O.M., Matu G., Marin C.N., Malaescu I.
IF: 2.993, AIS: 0.459
10. **Investigation of therapeutic-like irradiation effect on magnetic hyperthermia characteristics of a water-based ferrofluid with magnetite particles**
Journal of Magnetism and Magnetic Materials, Vol. 502, Art. No. 166605, 2020
Lazič D, Malaescu I., Bunoiu O.M., Marin I., Popescu F.G., Socoliuc V., Marin C.N.
IF: 2.993, AIS: 0.459