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1. **Numerical simulation of the flow field in shaped crystal growth process**
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5. **Thermodynamic analyses of gases formed during the EFG sapphire growth process**
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9. **Concentration distribution of Yb²⁺ and Yb³⁺ ions in YbF₃:CaF₂ crystals**
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Nicoară I., Pecingina-Gârjoaba N., Bunoiu O.
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10. **Segregation coefficient of Pb²⁺ ions in CaF₂ Crystals**
AIP Conference Proceedings, Vol. 1131, 112-116, 2009
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11. **Some considerations on the dynamics of nanometric suspensions in fluid media**
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18. **Interface shape studies in Bridgman growth of multicrystalline silicon**
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19. **Numerical study regarding the influence of electrodes' geometry on the dielectrophoretic forces**
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24. **Effects of fluid flow velocity upon nanoparticle distribution in microfluidic devices under dielectrophoresis**
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25. **Study of a 3D DEP-based Microfluidic System for Selective Nanoparticle Manipulation**
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28. **Hybrid magnetorheological elastomer: Influence of magnetic field and compression pressure on its electrical conductivity**
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29. **Structural Properties of Composite Elastomeric Membranes Using Small-Angle Neutron Scattering**
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30. **Nanoparticles trapping from flue gas using dielectrophoresis**
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31. **Promoting an English and Science Summer Programme through Social Media**
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32. **Why Blended Learning Models in Romanian Science Education?**
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33. **Magnetodielectric effects in composite materials based on paraffin, carbonyl iron and graphene**
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34. **Magnetodielectric effects in hybrid magnetorheological suspensions**
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37. **Mechanisms of micropore formation in silicone rubber based membranes**
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38. **Microparticles and Electroconductive Magnetorheological Suspensions**
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41. **Filtration of flue gas by retaining of nanoparticles in microfluidic devices using dielectrophoresis**
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42. **Augmented Reality in Romanian Science Education – Pros and Cons**
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44. **Magnetorheological elastomer based on silicone rubber, carbonyl iron and Rochelle salt: Effects of alternating electric and static magnetic fields intensities**
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45. **Influence of polyols on the formation of nanocrystalline nickel ferrite inside silica matrices**
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46. **A finite element method model to simulate the thermal response of vascularized tissue to laser irradiation**
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47. **Magnetodielectric Membranes: Effects of the Magnetic Field on the Dielectric Loss Tangent**
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48. **Boosting physics education through mobile augmented reality**
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49. **Silicone rubber based magnetorheological elastomer: magnetic structure tested by means of neutron depolarization and magnetic force microscopy methods**
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50. **The implicit effect of texturizing field on the elastic properties of magnetic elastomers revealed by SANS**
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52. **Hybrid Magnetorheological Elastomers: Effects of the magnetic field on some electrical properties**
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53. **A study case for the accreditation of doctoral studies. Preliminary approaches**
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54. **Experimental dosimetric checkup under positioning errors according to gamma criterion**
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56. **Learning Science outside the Classroom: A Summer School Experience**
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60. **Nano-ZrO₂ filled high-density polyethylene composites: Structure, thermal properties, and the influence γ -irradiation**
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61. **Magneto-Optical Transmittance Observed in Magnetorheological Suspensions Films**
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70. **Study of Thermal Stability of Some Magnetorheological Elastomers**
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71. **Electrical Devices based on Hybrid Magnetorheological Suspensions: Realization, Phenomenological Modeling and Technical Characteristics**
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72. **Magnetically tuning microwave propagation parameters in ferrofluids**
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73. **Magnetic Field Effects Induced in Electrical Devices Based on Cotton Fiber Composites, Carbonyl Iron Microparticles and Barium Titanate Nanoparticles**
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75. **Synthesis and Characterization of Polymer-Based Membranes for Methotrexate Drug Delivery**
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76. **Magnetically Active Composites with Relatively Giant Dielectric Permittivity**
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77. **A Cotton Fabric Composite with Light Mineral Oil and Magnetite Nanoparticles: Effects of a Magnetic Field and Uniform Compressions on Electrical Conductivity**
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78. **Investigations on the Electrical Conductivity and Complex Dielectric Permittivity of a Ferrofluid Subjected to the Action of a Polarizing Magnetic Field**
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82. **Small-Angle Scattering Investigation of Colloidal Suspensions with Lamellar Ba Hexaferrite Nanoparticles**
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