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Last five years publication list

2020 Year publications

1. Computational studies (DFT) of organic nonlinear optical material: N-methylglycine, E Shobhana, R Kannan, R Kesavasamy, B Babu, P Thirumoorthi, AIP Conference Proceedings 2270 (1), 040002
2. Effect of Mn on the structural and optical properties of CuO nanostructures, RG Sethuraman, R Kannan, T Venkatachalam, AIP Conference Proceedings 2270 (1), 110034
3. Synthesis, structural and antibacterial properties of CuO: CaO nano composites through co-precipitation method, S Renukadevi, AP Jeyakumari, R Kannan, AIP Conference Proceedings 2270 (1), 110044
4. Investigation on the effect of heat treatment on mechanical and tribological behaviour of aluminium reinforced hybrid composite, ES Kumar, R Kannan, S Venkateshwaran, AIP Conference Proceedings 2270 (1), 030008
5. Investigation of structural and optical characteristics of chromium doped ZnO nanostructures by microwave irradiated route for sensing applications, A Kiruthiga, R Kannan, T Krishnakumar, AIP Conference Proceedings 2270 (1), 110021
6. Structural, optical and thermal analysis of zinc based aerogel composite materials, PS Premkumar, KR Aranganayagam, G Meena, R Arulpriya, D Nandhini, R Kannan, M Selvambikai, AIP Conference Proceedings 2270 (1), 030010
7. Growth and characterization of Sarcosine single crystal for nonlinear optical applications, E Shobhana, R Kannan, R Kesavasamy, B Babu, P Thirumoorthi, AIP Conference Proceedings 2162 (1), 020050

2019 Year publications

8. An investigations on structural, mechanical and magnetic properties of electroplated NiP nano crystalline thin films for aerospace and automotive applications, R Kannan, M Selvambikai, S Jyothi, E Selvakumar, S Venkateswaran, E Shobhana, P Devaki, Materials Research Express 6 (11), 116435

9. An investigation of electroplated nickel (Ni) and tungsten (W) nano crystalline coatings on mild steel: Structural, mechanical and tribological behaviour, R Kannan, E Selvakumar, M Selvambikai, S Venkateshwaran, KR Aranganayagam, AIP Conference Proceedings 2142 (1), 080003
10. The effect of surfactant on structural and optical properties of ZnO nanorods by wet chemical synthesis, A Kiruthiga, T Krishnakumar, R Kannan, AIP Conference Proceedings 2142 (1), 150017
11. Corrosion and magnetic characterization of electroplated NiFe and NiFeW soft magnetic thin films for MEMS applications, S Venkateshwaran, E Selvakumar, M Selvambikai, R Kannan, AS Pradeep, Advances in Materials and Metallurgy, 447-454

2018 Year publications

12. Corrosion and Magnetic Characterization of Electroplated NiFe and NiFeW Soft Magnetic Thin Films, Selvambikai, R Kannan, AS Pradeep, Advances in Materials and Metallurgy: Select Proceedings of ICEMMM 2018, 447
13. Advances in Materials and Metallurgy: Select Proceedings of ICEMMM 2018, AK Lakshminarayanan, S Idapalapati, M Vasudevan
14. Effect of tungsten (W) on structural and magnetic properties of electroplated NiFe thin films for MEMS applications, R Kannan, P Devaki, PS Premkumar, M Selvambikai, Materials Research Express 5 (4), 046414
15. Structural, mechanical and magnetic study on galvanostatic electroplated nanocrystalline NiFeP thin films, A Kalaivani, G Senguttuvan, R Kannan, Materials Research Express 5 (3), 036404
16. Laser Speckle Decorrelation Technique for In-plane Deformation Measurement., R Balamurugan, R Prakasam, R Kannan, R Sengodan, Lasers in Engineering (Old City Publishing) 39
17. Impact of PEG6000 on the Physical Properties of Microwave-assisted ZnO nanostructures using wet chemical synthesis, TK A. Kiruthiga , R. Kannan, Rasayan, J. Chem ., 11 (1), 18-22

2017 Year publications

18. Temperature dependence of optical properties on BaTiO₃ thin films for optoelectronics applications, RR R. Sengodan, B. chandar shekar, R. Balamurugan , R. Kannan, journal of optoelectronics and advanced materials 19 (9 -10), 595 - 603

19. A study on structural analysis of electroplated nano crystalline nickel based thin films, R Kannan, M Selvambikai, I JeenaRajathy, S Ananthi, Rasayan J Chem 10 (4), 1213-1217

2016 Year publications - Nil