Dr S Praveen Kumar

Journal

1. **Deepa A.V, Vinothkumar P, Sathya Moorthy K, Muralimanohar P, Manoj Mohapatra, Praveenkumar S, Priya Murugesan, "Optical, electrical, mechanical properties of Pr^{3+} and Yb^{3+} doped phosphate glasses", Optical and quantum electronics (2020), 52.**

2. **Archana T, Srigitha S Nath, S Praveenkumar, "Development of robotic arms through hand gesture recognition using leep motion sensor", Journal of computational and theoretical nanosciences (2020), 17 (4), 1889-1893.**

3. **S Praveenkumar, D Lingaraja, P Mahiz Mathi, G Dinesh Ram, "An experimental study of optoelectronic properties of porous silicon for solar cell application", Optik (2019), 178, 216-223.**

4. **Aravind Thangavel, Ramesh Rengaswamy, Praveenkumar Sukumar, "Design and material analysis for prototyping of four arm mechanical microgripper with self-locking and anti-slipping capability", Microsystem Technologies (2019), 25 (3), 851-860.**

5. **S Praveenkumacr, Srigitha S Nath, G Dinesh Ram, S Ramya, M Priya, "Design optimization and simulation of micro-electro-mechanical system based solar energy harvester for low voltage applications", Journal of renewable and sustainable energy (2018), 10, 053503.**

6. **Aravind Thangavel, Ramesh Rengaswamy, Praveen Kumar Sukumar, Ramya Sekar, "Modelling of Chevron electrothermal actuator and its performance analysis", Microsystem Technologies (2018), 24, 1767-1774.**

7. **Deepa A.V, Priya Murugasen, P. Muralimanohar, S. Praveen Kumar, "Optical studies of lanthanum oxide doped phosphate glasses", Optik (2018), 160, 348-352.**

8. **S Praveenkumar, S Manikandan, D Lingaraja, T Sugapriya, "A review of doped and undoped ZnO nanoparticles for fabrication of gas sensor", Sensor letters (2018), 16, 889-900.**

9. **M Maharaj, S Praveenkumar, "Design and simulation of FPGA based RISC-CPU and system on chip", International journal of pure and applied mathematics (2018), 119 (15), pp. 535-546.**

10. **Praveen Kumar S, Srigitha S Nath, Dinesh Ram G, Ramesh R, "Computational Modeling of Dielectrophoretic Microfluidic Channel for Simultaneous Separation of Red Blood Cells and Platelets", Current Signal Transduction Therapy (2018), 14, 1-8.**

11. **Praveen Kumar S, Sridhar P Arjunan, Lingaraja D, Dinesh Ram G, "Design and computational modeling of spiral microfluidic channel for sorting and separating the biomolecules", Current signal transduction therapy (2018), 13, 1-6.**

12. **Praveen Kumar, S, Ramesh, R & Aravind, T, "Study on Different Meander Structured Microchannel: A Biofilter", Biomedical Research (2017), 28 (8), 3688-3692.**

13. **Praveen Kumar, S, Ramesh, R & Aravind, T, "Silicon based biofilter for biomolecule separation", Biomedical research (2017), 28 (9), 4181-4186.**

14. **Praveen Kumar, S, Ramesh, R & Aravind, "Analysis of Different Size Microchannel through Particle Tracing for Biomolecule Separation", Journal of Computational and Theoretical Nanoscience (2017), 14 (7), 3351-3355.**

15. **Praveen Kumar S, Ramesh R, Aravind T, "Selective adsorbtion of low density lipoprotein from blood using porous silicon", Advanced materials letters (2018), 9 (2), 142-47.**

16. **Praveen Kumar, S, Ramesh, R & Aravind, T, "Isolation and detection of Low density lipoprotein using porous silicon based array of cantilever", International Journal of Printing, Packaging & Allied Sciences (2017), 4, 2488-2497.**

17. **Praveen Kumar, S, Ramesh, R & Aravind, T, "Porous based immunosensor for detection of LDL molecules from blood serum using array of cantilever beam", Journal of advances in chemistry (2017), 13 (7), 6333-6340.**

18. **S Praveen Kumar, R Ramesh, T Aravind, S Ramya, "Polymer based biofilter", Journal of advances in chemistry (2017), 13 (7), 6327-6332.**

19. **S Praveen Kumar, T Aravind, G Karman Frances Raj, "Design and simulation analyses of MEMS gripper with aluminium and nickel alloys", ARPN journal of engineering and applied sciences (2015), 10 (10), 4610-4613.**

20. T Aravind, R Ramesh, S Praveen Kumar, "Design and simulation of a novel polymer based 4 arms mechanical microgripper for micromanipulation", World applied sciences journal (2016), 34 (10), 1318-1325.