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List of publications:

1. RG Jesuwanth Sugesh, A Sivasubramanian "Analysis of Carrier Depletion PIN Phase Shifter for 50 Gbps Operation" published by Data Security in Internet of Things Based RFID and WSN Systems Applications,pp.79(2020).
2. Shameem Saifuddin, Arunagiri Sivasubramanian "Comparison study of digital modulated signals in a DRA based DWDM communication system" published by Procedia Computer Science,vol.172, pp.259-262 (2020).
3. Yashodhan Mandke, A Sivasubramanian, Rabinder Henry "Design, Fabrication and characterisation of TE Mode MZI Device for Silicon Photonics Integrated Circuit" published by 2019 IEEE 5th International Conference for Convergence in Technology (I2CT),pp.1-5(2019).
4. RG Jesuwanth Sugesh, A Sivasubramanian "Redesigning Mach-Zehnder Modulator with Ring Resonators" published by Optical And Microwave Technologies(2018).
5. Shameem Saifuddin, A Sivasubramanian "Performance analysis of distributed Raman amplifier using different pumping methods in DWDM communication systems" published by Journal of Optical Communications,vol.1 (2018).
6. AM Balamurugan, A Sivasubramanian, B Parvathavarthin "Secured Hash Based Burst Header Authentication Design for Optical Burst Switched Networks" published by Journal of Optical Communications, vol.38, Issue 4(2017).
7. B Vasudevan, A Sivasubramanian, M Ramesh Babu "Optical study on Er-Yb Co-doped boro-tellurite glasses for optical amplifiers" published by Journal of optoelectronics and advanced materials, vol.19, Issue 2 (2017).
8. V Sasikala, K Chitra, A Sivasubramanian "Design of efficient all optical switching encoder using XOR gate based on SOA non linearity"

- published by International Conference on Fibre Optics and Photonics(2016).
9. Bhupeshwaran Mani, A Jawahar, S Radha, K Chitra, Arunagiri Sivasubramanian "Combined influence of third-order dispersion, intra-pulse Raman scattering, and self-steepening effect on soliton temporal shifts in telecommunications" published by Photonic Network Communications, vol.32, Issue 1 (2016).
 10. S Vinayagapriya, A Sivasubramanian "Mitigation of PMD and PDL induced signal degradation using Levenberg-Marquardt algorithm" published by Optoelectronics and Advanced Materials-Rapid Communications, vol.10(2016).
 11. AM Balamurugan, A Sivasubramanian, B Parvathavarthini "QKD-based secured burst integrity design for optical burst switched networks" published by Journal of Optical Communications, vol.37, Issue1(2016).
 12. Bhupeshwaran Mani, K Chitra, A Sivasubramanian "Realization of soliton interaction in 100 Gbps, uncompensated single channel telecommunication system implemented with various telecom fibers" published by Optical and Quantum Electronics, vol.47, Issue 7(2015).
 13. GS Uthayakumar, S Inbasekaran, A Sivasubramanian, S Justin Packia Jacob "Nanoparticle analysis for various medicinal drugs and human body saliva at macromolecular level" published by Applied Nanoscience, vol.5, Issue 5(2015).
 14. Bhupeshwaran Mani, Jawahar, K Chitra, A Sivasubramanian "Role of positive and negative third order dispersion (TOD) on soliton interaction in 160 Gbps telecommunication system" published by Journal of Nonlinear Optical Physics & Materials, vol.24, Issue 4(2015).
 15. Bhupeshwaran Mani, A Jawahar, A Sivasubramanian, K Chitra "Role of negative-third order dispersion, intrapulse Raman scattering and self steepening effect on soliton intra-channel interaction" published by International Conference on Photonics Solutions 2015, vol.9659(2015).
 16. B Vasudevan, A Sivasubramanian "Characteristic study of Erbium (Er), Ytterbium (Yb) and Er-Yb Co-doped Optical fiber amplifiers" published by Optoelectronics and Advanced Materials-Rapid Communications, vol.9(2015).