

LIST OF PUBLICATIONS

1. “Photonic crystal cavity mediated improved absorptive nonlinearity of C-4-hydroxy-3-methoxyphenylcalix[4]resorcinarene”, **Siji Alappattu John**, Athulya Kadepath Satheesan, Simi Pushpan k and Chandrasekharan Keloth, *Phys. Chem. Chem. Phys.*, 2023,25, 15839-15845,
<https://doi.org/10.1039/D3CP00689A>
2. “Surface plasmon resonance induced remarkable absorptive nonlinearity from C-2-phenylethenylcalix [4]resorcinarene silver hybrid system”; **Alappattu John Siji**, Pushpan K. Simi, K. Jesitha, Keloth Chandrasekharan; *Optical Materials*, Volume 138,2023,113638,
<https://doi.org/10.1016/j.optmat.2023.113638>
3. “Enhanced nonlinear absorptive behaviour of phenylcalix[4]resorcinarene-graphene oxide nanocomposite”, **Siji Alappattu John**, Simi Pushpan Koprarambil, Raman Namboodiri Cherillath Kandamangalam, Chandrasekharan Keloth, *Optical Materials*, Volume 131,2022,112557,
<https://doi.org/10.1016/j.optmat.2022.112557>.
4. “Relativistic and confinement effects in Photoionization of Xe” Karan Govil, **Siji A. J**, and P.C. Deshmukh, *J. Phys. B, at. mol. & opt. Phys*, Vol. 42,06500, 2009, <https://doi.org/10.1088/0953-4075/42/6/065004>