



Publications Template

#	Research Title	Field	Abstract	Year of Publication Publishing	Publishing Link "URL"
1	Performance Analysis & Comparative Study of Uniform, Apodized and pi-phase shifted FBGs for Array of High Performance Temperature Sensors	Optical Electronics & Communication	Hanan M. El-Gammal, Heba A. Fayed, Ahmed Abd El-Aziz and Moustafa H. Aly, “Performance Analysis & Comparative Study of Uniform, Apodized and pi-phase shifted FBGs for Array of High Performance Temperature Sensors,” <i>Optoelectronics and Advanced Materials Journal – Rapid Communication (OAM-RC)</i> , vol. 9, no. 9-10, September-October 2015, p. 1251-1259.	2015	https://www.semanticscholar.org/paper/Performance-analysis-%26-comparative-study-of-and-for-El-Gammal-Fayed/1c874b47b16056987e10b96169de893eedbaff3
2	A new hybrid FBG with a π -shift for temperature sensing in overhead high voltage transmission lines	Optical Electronics & Communication	El-Gammal, H.M., El-Badawy, ES.A., Rizk, M.R.M., Aly, M.H., “A new hybrid FBG with a π -shift for temperature sensing in overhead high voltage transmission lines,” <i>Journal of Optical and Quantum Electronics</i> , Springer, vol. 52, no. 53, pp. 1-24, 2020.	2020	https://rdcu.be/cQuLo
3	Strain sensing in underwater acoustics with a hybrid π -shifted FBG and different interrogation methods	Optical Electronics & Communication	Hanan M. El-Gammal, Nour Eldin Ismail, Mohamed R. M. Rizk, Moustafa H. Aly, “Strain sensing in underwater acoustics with a hybrid π -shifted FBG and different interrogation methods”, <i>Journal of Optical and Quantum Electronics</i> , Springer, vol. 54, no. 4, pp. 1-24, 2022.	2022	https://link.springer.com/article/10.1007/s11082-022-03583-1