

## Journals 23

1. Nandini Basumallick, Sayantani Bhattacharya, Tanoy Kumar Dey, Palas Biswas and Somnath Bandyopadhyay, "Wideband Fiber Bragg Grating Accelerometer Suitable for Health Monitoring of Electrical Machines", *IEEE Sensors Journal*, Vol. 20, No. 24, December 15, 2020. Impact factor 3.076
2. Tanoy Kumar Dey, Sara Tombelli, Palas Biswas, Ambra Giannetti, Nandini Basumallick, Francesco Baldini, Somnath Bandyopadhyay, Cosimo Trono, "Analysis of the Lowest Order Cladding Mode of Long Period Fiber Gratings near Turn Around Point," *Journal of Lightwave Technology*, April 2020, doi: 10.1109/JLT.2020.2987795.
3. Sankhyabrata Bandyopadhyay, Nandini Basumallick, Sandip Bysakh, Tanoy Kumar Dey, Palas Biswas, Somnath Bandyopadhyay, "Design of turn around point long period fiber grating sensor with Au-nanoparticle self monolayer", *Optics & Laser Technology*, Vol. 102, June 2018, pp 254 - 261. Impact Factor: 2.109.
4. Sankhyabrata Bandyopadhyay, Ignacio Del Villar, Nandini Basumallick, Palas Biswas, Tanoy Kumar Dey, Somnath Bandyopadhyay, "Long period fiber grating for biosensing: an improved design methodology to enhance add-layer sensitivity", *Journal of Lightwave Technology*, Vol. 36, Issue 4, Feb 2018, pp. 1178-1184. Impact Factor: 2.862.
5. Sankhyabrata Bandyopadhyay, Palas Biswas, Francesco Chiavaioli, Tanoy Kumar Dey, Nandini Basumallick, Cosimo Trono, Ambra Giannetti, Sara Tombelli, Francesco Baldini, Somnath Bandyopadhyay, "Long-period fiber grating: a specific design for biosensing applications", *Applied Optics*, Vol. 56, Issue 35, Dec 2017, pp. 9846-9853. Impact Factor: 1.65.
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7. Tanoy Kumar Dey, Palas Biswas, Nandini Basumallick, Sankhyabrata Bandyopadhyay, and Somnath Bandyopadhyay, "Realization of Long Period Fiber Grating In Reflection Mode Operating Near Turn Around Point", *IEEE Sensors*, Volume: 17, Issue: 13, July1, 1 2017, pp. 4100 - 4106. Impact Factor: 2.512.
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9. Richard M. Carter, Robert R. J. Maier, Palas Biswas, Nandini Basumallick, Somnath Bandyopadhyay, Benjamin J. S. Jones, Scott McCulloch and James S. Barton, "Experimental Difficulties with LPG Sensors Operating Close to the Phase Turning Points", *Journal of Lightwave Technology*, Volume: 34, Issue: 17, Sept., 2016, 3999 – 4004. Impact Factor: 2.567
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