**Článek**

**GRYGA, Michal**, Dalibor CIPRIAN a Petr HLUBINA. Guided-mode resonance based humidity sensing using a multilayer dielectric structure. *Optics Express*. Optical Society of America, 2020, **28**(20), s. 28954-28960. ISSN 1094-4087.

**GRYGA, Michal**, Dalibor CIPRIAN a Petr HLUBINA. Sensing concept based on Bloch surface waves and wavelength interrogation. *Optics Letters*. Optical Society of America, 2020, **45**(5), s. 1096-1099. ISSN 0146-9592.

**GRYGA, Michal**, Dalibor CIPRIAN a Petr HLUBINA. Bloch Surface Wave Resonance Based Sensors as an Alternative to Surface Plasmon Resonance Sensors. *Sensors*. MDPI Open Access Publishing, 2020, **20**(18), s. 5119(1)-5119(17). ISSN 1424-3210.

**GRYGA, Michal**, Daniel VALA, Pierre KOLEJÁK, Lucie GEMBALOVÁ, Dalibor CIPRIAN a Petr HLUBINA. One-dimensional photonic crystal for Bloch surface waves and radiation modes-based sensing. *Optical Materials Express*. The Optical Society, 2019, **9**(10), s. 4009-4022. ISSN 2159-3930.

**Příspěvek ve sborníku**

**GRYGA, Michal**, Dalibor CIPRIAN, Lucie GEMBALOVÁ a Petr HLUBINA. Surface electromagnetic wave sensor utilizing a one-dimensional photonic crystal. In: *Proceedings of SPIE. Volume 11028*. Bellingham: SPIE - The International Society for Optical Engineering, 2019. s. 110281P(1)-110281P(8). ISBN 978-1-5106-2722-2.

**GRYGA, Michal**, CIPRIAN, D., GEMBALOVÁ, L., HLUBINA, P. Sensing of gaseous analytes via Bloch surface waves. *In Proceedings of SPIE - The International Society for Optical Engineering. Volume 11354.* Bellingham : SPIE, 2020, s. 113541B(1)-113541B(8)