

Okan Atalar

Research Engineer

Electrical Engineering

Bio

ACADEMIC APPOINTMENTS

- Research Engineer, Electrical Engineering

Publications

PUBLICATIONS

- **Polarization-insensitive wide-angle resonant acousto-optic phase modulator** *OPTICS LETTERS*
Atalar, O., Arbabian, A.
2024; 49 (8): 2141-2144
- **Optically isotropic longitudinal piezoelectric resonant photoelastic modulator for wide angle polarization modulation at megahertz frequencies.** *Journal of the Optical Society of America. A, Optics, image science, and vision*
Atalar, O., Arbabian, A.
2023; 40 (12): 2249-2258
- **Tunable dual wavelength laser on thin film lithium niobate**
Lufungula, I., Mayor, F. M., Herrmann, J. F., Park, T., Stokowski, H. S., Hwang, A. Y., De Beeck, C., Atalar, O., Jiang, W., Kuyken, B., Safavi-Naeini, A. H.,
IEEE
IEEE.2023
- **Y-Z cut lithium niobate longitudinal piezoelectric resonant photoelastic modulator** *OPTICS EXPRESS*
Atalar, O., Yee, S., Safavi-Naeini, A., Arbabian, A.
2022; 30 (26): 47103-47114
- **Longitudinal piezoelectric resonant photoelastic modulator for efficient intensity modulation at megahertz frequencies.** *Nature communications*
Atalar, O., Van Laer, R., Safavi-Naeini, A. H., Arbabian, A.
2022; 13 (1): 1526
- **III/V-on-lithium niobate amplifiers and lasers** *OPTICA*
de Beeck, C., Mayor, F. M., Cuyvers, S., Poelman, S., Herrmann, J. F., Atalar, O., McKenna, T. P., Haq, B., Jiang, W., Witmer, J. D., Roelkens, G., Safavi-Naeini, A. H., Van Laer, et al
2021; 8 (10): 1288-1289
- **Spectrally sparse optical coherence tomography** *OPTICS EXPRESS*
Atalar, O., Millar, D. S., Wang, P., Koike-Akino, T., Kojima, K., Orlik, P., Parsons, K.
2020; 28 (25): 37798-810
- **Lithium Niobate Resonant Photoelastic Modulator for Time-of-Flight Imaging**
Atalar, O., Van Laer, R., Sarabalis, C. J., Safavi-Naeini, A. H., Arbabian, A., IEEE
IEEE.2020
- **Photonics-to-Free-Space Interface in Lithium Niobate-on-Sapphire**
Rajabzadeh, T., Sarabalis, C. J., Atalar, O., Safavi-Naeini, A. H., IEEE
IEEE.2020

- **Time-of-flight imaging based on resonant photoelastic modulation** *APPLIED OPTICS*
Atalar, O., Van Laer, R., Sarabalis, C. J., Safavi-Naeini, A. H., Arbabian, A.
2019; 58 (9): 2235–47