# Fabio Falconi

## List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| **12**<br>papers | **105**<br>citations | 1478505<br>**6**<br>h-index | 1474206<br>**9**<br>g-index |
| **12**<br>all docs | **12**<br>docs citations | **12**<br>times ranked | **123**<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Photonic Integrated Microwave Phase Shifter up to the mm-Wave Band With Fast Response Time in Silicon-on-Insulator Technology. Journal of Lightwave Technology, 2018, 36, 4494-4500. | 4.6 | 21 |
| 2 | Photonics-Assisted Beamforming for 5G Communications. IEEE Photonics Technology Letters, 2018, 30, 1826-1829. | 2.5 | 17 |
| 3 | A Combined Radar &amp; Lidar System Based on Integrated Photonics in Silicon-on-Insulator. Journal of Lightwave Technology, 2021, 39, 17-23. | 4.6 | 15 |
| 4 | Widely Tunable Silicon Photonics Narrow-Linewidth Passband Filter Based on Phase-Shifted Waveguide Bragg Grating. , 2018, , . | | 7 |
| 5 | Fast-Reconfigurable Microwave Photonics Phase Shifter Using Silicon Microring Resonators. IEEE Journal of Quantum Electronics, 2021, 57, 1-9. | 1.9 | 7 |
| 6 | Dual use architecture for innovative lidar and free space optical communications. Applied Optics, 2017, 56, 8811. | 1.8 | 6 |
| 7 | High-Performance Beamforming Network Based on Si-Photonics Phase Shifters for Wideband Communications and Radar Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-11. | 2.9 | 6 |
| 8 | Flexible Millimeter-Wave Carrier Generation up to the Sub-THz With Silicon Photonics Filters. Journal of Lightwave Technology, 2021, 39, 7689-7697. | 4.6 | 6 |
| 9 | Broadband and High-Capacity Silicon Photonics Single-Sideband Modulator. Journal of Lightwave Technology, 2022, 40, 538-546. | 4.6 | 6 |
| 10 | High-Capacity Single-Sideband Suppressed-Carrier Modulation with Integrated Optical Filter in Silicon-on-Insulator Technology. , 2019, , . | | 5 |
| 11 | Wideband Single-Sideband Suppressed-Carrier Modulation with Silicon Photonics Optical Filters. , 2019, , . | | 5 |
| 12 | UWB Fastlyâ€"Tunable 0.5â€"50 GHz RF Transmitter Based on Integrated Photonics. Journal of Lightwave Technology, 2022, 40, 1726-1734. | 4.6 | 4 |