

Odysseas TSILIPAKOS

Publications (October 2025)

A. Peer-reviewed journals

- [J1] **O. Tsilipakos***, T. V. Yioultsis, and E. E. Kriezis, “Theoretical analysis of thermally tunable microring resonator filters made of dielectric-loaded plasmonic waveguides,” *J. Appl. Phys.*, vol. 106, 093108, **2009**. DOI: 10.1063/1.3256139 [\[link\]](#) *corresponding author(s)
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- [J3] **O. Tsilipakos***, A. Ptilakis, A. C. Tasolamprou, T. V. Yioultsis, and E. E. Kriezis, “Computational techniques for the analysis and design of dielectric-loaded plasmonic circuitry,” *Opt. Quant. Electron.*, vol. 42, no. 8, pp. 541-555, **2011**. DOI: 10.1007/s11082-011-9440-4 [\[link\]](#) *corresponding author(s)
- [J4] **O. Tsilipakos***, E. E. Kriezis, and S. I. Bozhevolnyi, “Thermo-optic microring resonator switching elements made of dielectric-loaded plasmonic waveguides,” *J. Appl. Phys.*, vol. 109, 073111, **2011**. DOI: 10.1063/1.3564949 [\[link\]](#) *corresponding author(s)
- [J5] **O. Tsilipakos***, E. E. Kriezis, and T. V. Yioultsis, “Boundary condition for the efficient excitation and absorption of hybrid waveguide modes in finite element formulations,” *Microw. Opt. Technol. Lett.*, vol. 53, no. 11, pp. 2626-2631, **2011**. DOI: 10.1002/mop.26364 [\[link\]](#) *corresponding author(s)
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- [J48] G. Nousios, T. Christopoulos, **O. Tsilipakos** and E. Kriezis, “Dynamic Routing through Saturable Absorption in Graphene Photonic Resonators: Impact of Carrier Diffusion and Finite Relaxation Time,” *Journal of Applied Physics* 131(5), 053104, **2022**. DOI: 10.1063/5.0076959. [\[link\]](#)
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D. Doctoral Dissertation

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