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Ph.D. Student in Mechanical Engineering, admitted Autumn 2023

Publications

PUBLICATIONS

- **Tunable non-reciprocal waveguide using spoof plasmon polariton coupling to a gaseous magnetoplasmon** *OPTICS LETTERS*
Cappelli, M. A., Bernety, H., Sun, D., Houriez, L., Wang, B.
2023; 48 (14): 3725-3728
- **A tunable microwave circulator based on a magnetized plasma as an active gyrotropic element** *PHYSICS OF PLASMAS*
Bernety, H., Houriez, L. S., Rodriguez, J. A., Wang, B., Cappelli, M. A.
2022; 29 (11)
- **A characterization of plasma properties of a heterogeneous magnetized low pressure discharge column** *AIP ADVANCES*
Bernety, H., Houriez, L. S., Rodriguez, J. A., Wang, B., Cappelli, M. A.
2022; 12 (11)
- **Experimental study of electromagnetic wave scattering from a gyrotropic gaseous plasma column** *APPLIED PHYSICS LETTERS*
Houriez, L. S., Bernety, H., Rodriguez, J. A., Wang, B., Cappelli, M. A.
2022; 120 (22)