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Bio

STANFORD ADVISORS

- Mark Cappelli, Postdoctoral Faculty Sponsor

LINKS

- My Google Scholar Page: https://scholar.google.com/citations?user=L_qLnj8AAAAJ&hl=en
- My LinkedIn Page: <https://www.linkedin.com/in/hossein-mehrpour-bernety/>

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.
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- **An electromagnetic scattering approach to identifying topological and non-topological unidirectional edge states at gyrotropic plasma interfaces** *JOURNAL OF APPLIED PHYSICS*
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- **A tunable microwave circulator based on a magnetized plasma as an active gyrotropic element** *PHYSICS OF PLASMAS*
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- **A characterization of plasma properties of a heterogeneous magnetized low pressure discharge column** *AIP ADVANCES*
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- **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)
- **Graphene-Metal Metasurface for Cloaking of Cylindrical Objects at Low-Terahertz Frequencies** *IEEE ACCESS*
Pawar, S., Bernety, H., Yakovlev, A. B.
2022; 10: 130200-130211