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Author's Relevant Publications

Journals:

1. **S. Shee** and S. Dwivedi, "Cold-test of reltron modulation section and PIC simulation study on output power and efficiency," *International Journal of RF and Microwave Computer Aided Engineering*, vol. 30, no. 3, doi:10.1002/mmce.22103.
2. **S. Shee**, P. Tripathi, and S. Dwivedi, "Dispersion analysis of reltron modulation section and simulation study on the effect of coupling depth on device performance," *IEEE Transaction on Plasma Science*, vol. 84, no. 7, pp. 2676-2683, 2020, doi:10.1109/TPS.2020.3000986.
3. **S. Shee** and S. Dwivedi, "Design and simulation study of double side-cavity gridless reltron with dual extraction sections," *Journal of EM Wave and Applications*, vol.35, no. 3, pp. 291-304, 2021, doi:10.1080/09205071.2020.1835562.

International Conferences:

1. **S. Shee** and S. Dwivedi. "Parametric analysis of reltron modulation cavity and Q-factor calculation from S-parameter," IEEE MTT-S International Microwave and RF Conference (IMaRC) 2018, 28-30 November, 2018, Kolkata, doi:10.1109/IMaRC.2018.8877349.
2. **S. Shee** and S. Dwivedi, "PIC simulation of a double side-cavity reltron, calculation of cavity reactance and comparison with conventional reltron,". In URSI Asia-Pacific Radio Science Conference (AP-RASC) 2019, 09-15 March, 2019, New Delhi, doi:10.23919/URSIAP-RASC.2019.8738421.
3. **S. Shee**, P. Tripathy, and S. Dwivedi, "Performance improvement of double side-cavity gridless reltron by dual extraction sections," In URSI Regional Conference on Radio Science (RCRS) 2020, 12-14 February 2020, IIT(BHU), Varanasi, doi:10.23919/URSIRCRS49211.2020.9113421.

National Conferences:

1. **S. Shee**, P. Tripathi, and S. Dwivedi, "Beam wave interaction study and calculation of cavity reactance near resonance for a gridless reltron," National Symposium on

Vacuum Electron Devices and Applications, (VEDA) 2018, 22-24 November, 2018, IIT Guwahati.

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