

Sunil G Rao

List of Publications by Year in descending order

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15
papers

111
citations

1478505

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1372567

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docs citations

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times ranked

66
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Design Methodology for a Wideband, Low Insertion Loss, Digital Step Attenuator in SiGe BiCMOS Technology. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 744-748. | 3.0 | 5 |
| 2 | A Millimeter-Wave, Transformer-Based, SiGe Distributed Attenuator. IEEE Microwave and Wireless Components Letters, 2022, 32, 145-148. | 3.2 | 7 |
| 3 | Response of Integrated Silicon Microwave $\langle i \rangle$ Diodes to X-Ray and Fast-Neutron Irradiation. IEEE Transactions on Nuclear Science, 2022, 69, 282-289. | 2.0 | 0 |
| 4 | Using Machine Learning to Mitigate Single-Event Upsets in RF Circuits and Systems. IEEE Transactions on Nuclear Science, 2022, 69, 381-389. | 2.0 | 1 |
| 5 | A D-Band Reflective-Type Phase Shifter Using a SiGe PIN Diode Resonant Load. IEEE Microwave and Wireless Components Letters, 2022, 32, 1191-1194. | 3.2 | 5 |
| 6 | Triaxial Balun With Inherent Harmonic Reflection for Millimeter-Wave Frequency Doublers. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2822-2831. | 4.6 | 8 |
| 7 | Integrated Silicon Photonics for Enabling Next-Generation Space Systems. Photonics, 2021, 8, 131. | 2.0 | 18 |
| 8 | A $\langle i \rangle$ -Band SiGe Power Amplifier Using a Four-Way Coupled-Line Wilkinson Combiner. IEEE Microwave and Wireless Components Letters, 2021, 31, 1239-1242. | 3.2 | 19 |
| 9 | Electronic-to-Photonic Single-Event Transient Propagation in a Segmented Mach-Zehnder Modulator in a Si/SiGe Integrated Photonics Platform. IEEE Transactions on Nuclear Science, 2020, 67, 260-267. | 2.0 | 3 |
| 10 | A D-band SiGe Frequency Doubler with a Harmonic Reflector Embedded in a Triaxial Balun. , 2020, , . | | 4 |
| 11 | A New Wideband, Low Insertion Loss, High Linearity SiGe RF Switch. IEEE Microwave and Wireless Components Letters, 2020, 30, 985-988. | 3.2 | 23 |
| 12 | A New Wideband, Low Insertion Loss SiGe Digital Step Attenuator A New Wideband, Low Insertion Loss SiGe Digital Step Attenuator. , 2020, , . | | 2 |
| 13 | DC and RF Variability of SiGe HBTs Operating Down to Deep Cryogenic Temperatures. , 2019, , . | | 6 |
| 14 | A $\langle i \rangle$ -Band SiGe Bootstrapped Gilbert Frequency Doubler With 26.2% PAE. IEEE Microwave and Wireless Components Letters, 2018, 28, 1122-1124. | 3.2 | 9 |
| 15 | A $\langle i \rangle$ 20 GHz Distributed, Stacked SiGe Power Amplifier. , 2018, , . | | 1 |