**Microwave Photonics for Modern Radar Systems**

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**Author contributions** Prof. PAN Shilong designed the study, complied the models, conducted the analysis, interpreted the results and wrote the manuscript. Prof. **ZHU Dan** contributed data and model components for the … model. Dr. C contributed data for the analysis of …. Dr. **ZHANg Fangzheng** contributed to the discussion and background of the study. All authors commented on the manuscript draft and approved the submission.

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