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Publications

Journals

Alidoustaghdam, Hadi et al. (2023). "**Sparse Tiled Planar Array: The Shared Multibeam Aperture for Millimeter-Wave Joint Communication and Sensing**". In: *Electronics* 12.14, p. 3115. doi: <https://doi.org/10.3390/electronics12143115>.

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Alidoustaghdam, Hadi et al. (2025). "**Tiled Array Design for Multi-Beam Joint Communication and Sensing: Channel Matching Method**". In: *IEEE Open Journal of the Communications Society* 6, pp. 8477–8495. doi: [10.1109/OJCOMS.2025.3616790](https://doi.org/10.1109/OJCOMS.2025.3616790).

Conferences

Alidoustaghdam, Hadi, Min Chen, et al. (2023). "**Enhancing Vital Sign Estimation Performance of FMCW MIMO Radar by Prior Human Shape Recognition**". In: *2023 IEEE International Conference on Communications Workshops (ICC Workshops)*, pp. 1707–1711. doi: [10.1109/ICCWorkshops57953.2023.10283718](https://doi.org/10.1109/ICCWorkshops57953.2023.10283718).

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Alidoustaghdam, Hadi, Mehmet Nuri Akıncı, et al. (2020). "**Monitoring Concrete Oil-Wells with Qualitative Microwave Imaging**". In: *2020 IEEE Microwave Theory and Techniques in Wireless Communications (MTTW)*. Vol. 1, pp. 82–85. doi: [10.1109/MTTW51045.2020.9245028](https://doi.org/10.1109/MTTW51045.2020.9245028).

Alidoustaghdam, Hadi, Semih Doğu, et al. (2020). "**Through-the-wall Microwave Imaging with Minimum Antennas and an Auxiliary Metallic Bar**". In: *2020 IEEE Asia-Pacific Microwave Conference (APMC)*, pp. 1054–1056. doi: [10.1109/APMC47863.2020.9331597](https://doi.org/10.1109/APMC47863.2020.9331597).

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