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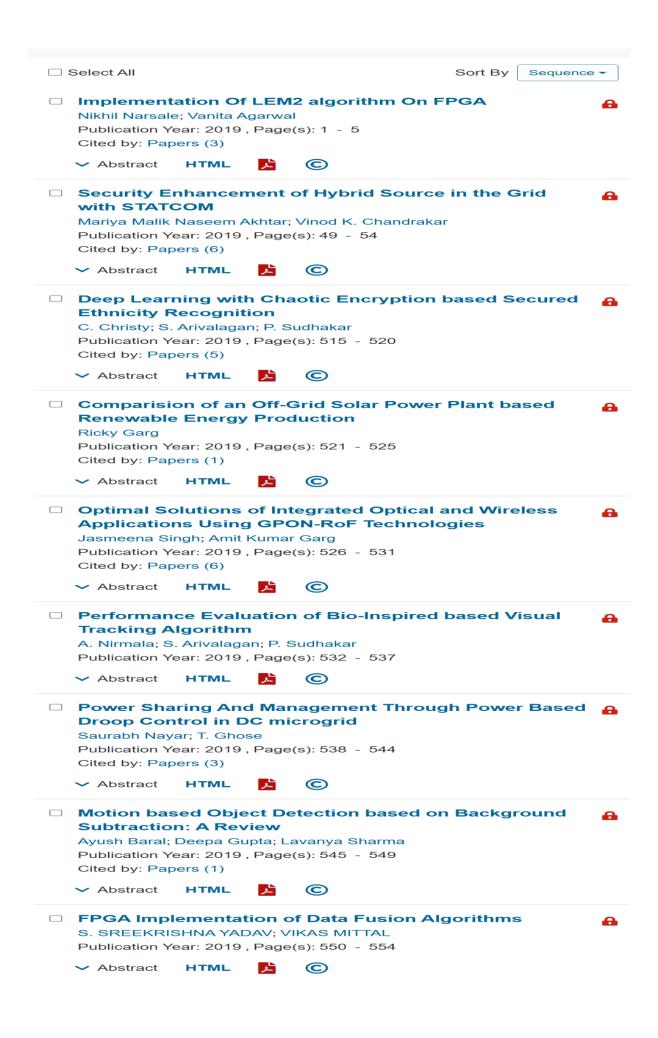
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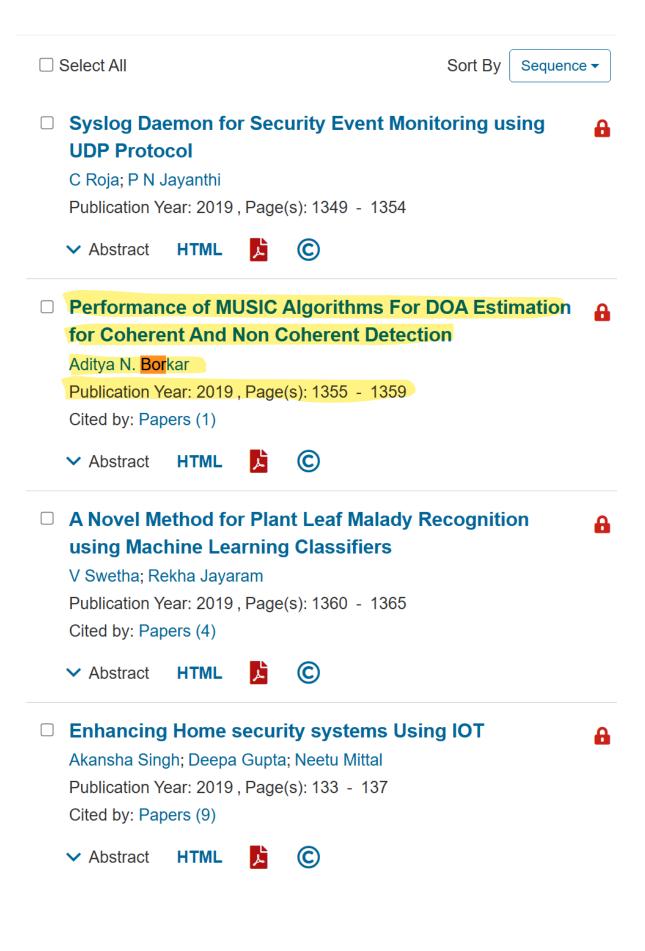
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# **Performance of MUSIC Algorithms For DOA Estimation** for Coherent And Non Coherent Detection

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#### **Abstract**

### Document Sections

I. Introduction

II. Signal model using ULA

III. MUSIC **ALGORITHMS** 

IV. Simulation and analysis

>> CONCLUSION

#### **Abstract:**

The conventional MUSIC algorithm has high resolution capability. But for coherent signals MUSIC algorithm fails. Also for low SNR and small snapshots the resolution decreases. This paper discusses improvement in MUSIC algorithm using both signal and noise subspace. Simulation results have shown that the new proposed modified algorithm gives satisfactory results in coherent detection.

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