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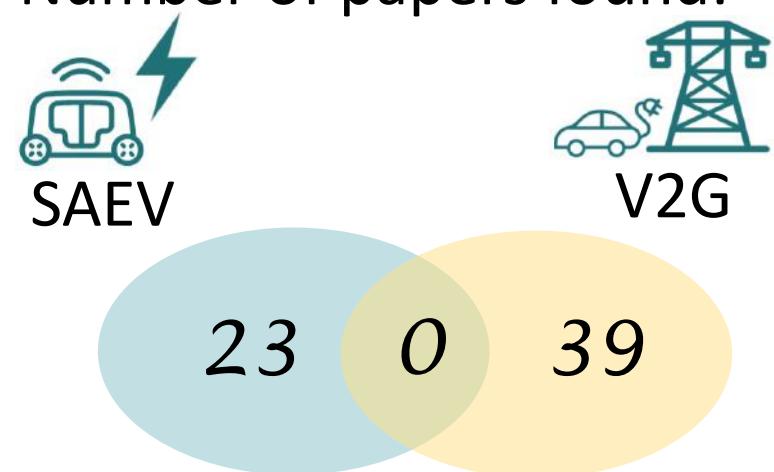
An **optimal charging infrastructure** can improve the **feasibility of V2G** in the grid by **reducing power losses** and improving the **voltage profile**. Research on optimal charging infrastructure for **SAEVs with V2G** is **missing** from the literature.

## Introduction

Shared autonomous electric vehicles (SAEV) have the flexibility - acting as batteries on wheels - to easily perform services to the grid using the vehicle-to-grid (V2G) strategy, next to serving mobility to customers. Research shows that many problems that the grid encounters are a consequence of poor allocation of the charging infrastructure (CI). This paper reviews research on the optimal charging infrastructure for SAEVs and V2G from an energy and mobility point of view.

## Literature search

Number of papers found:

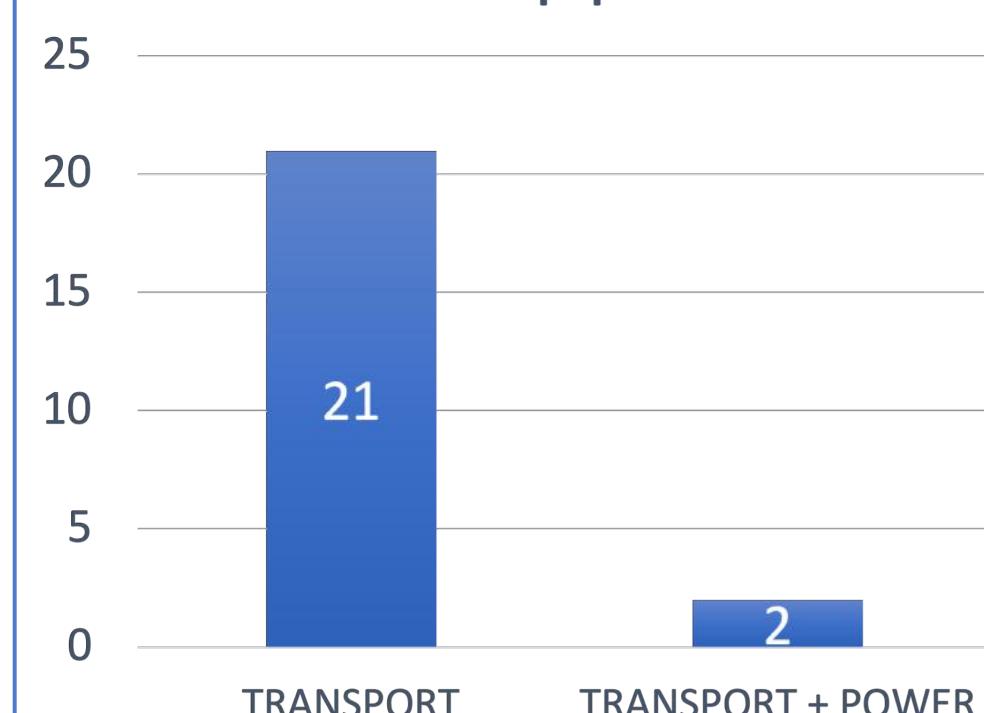


### RESEARCH GAP

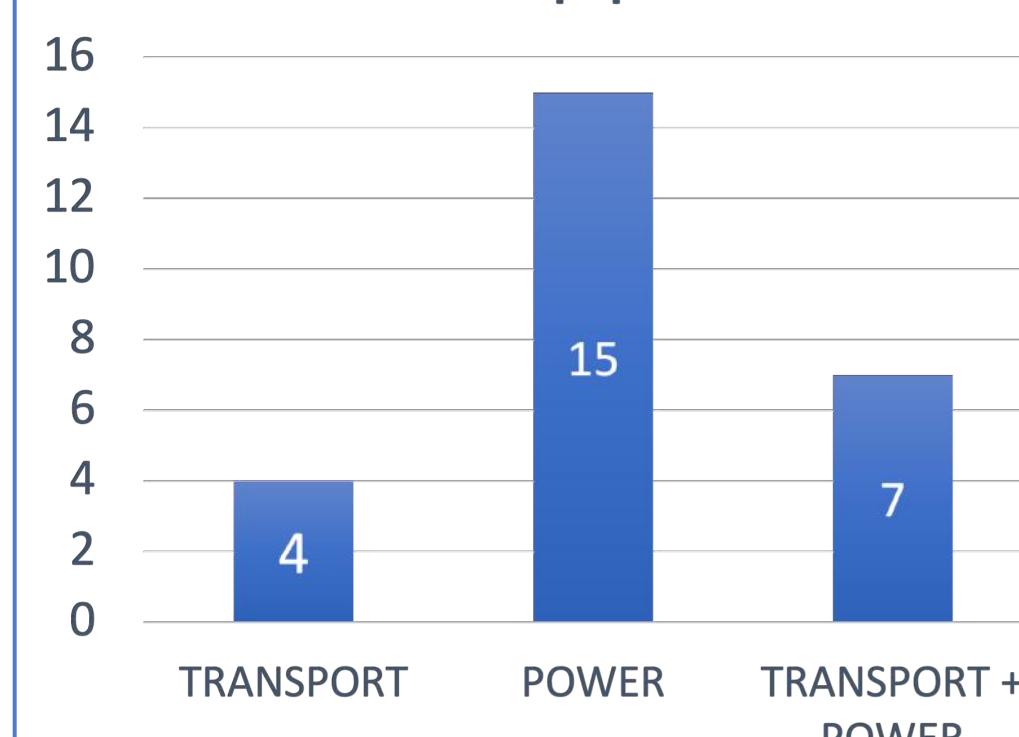
Optimization of charging infrastructure for SAEVs with V2G from both a mobility and energy point of view.

Transport: mobility demand and customer convenience  
 Power: grid constraints

### Network(s) considered in SAEV papers



### Network(s) considered in V2G papers



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