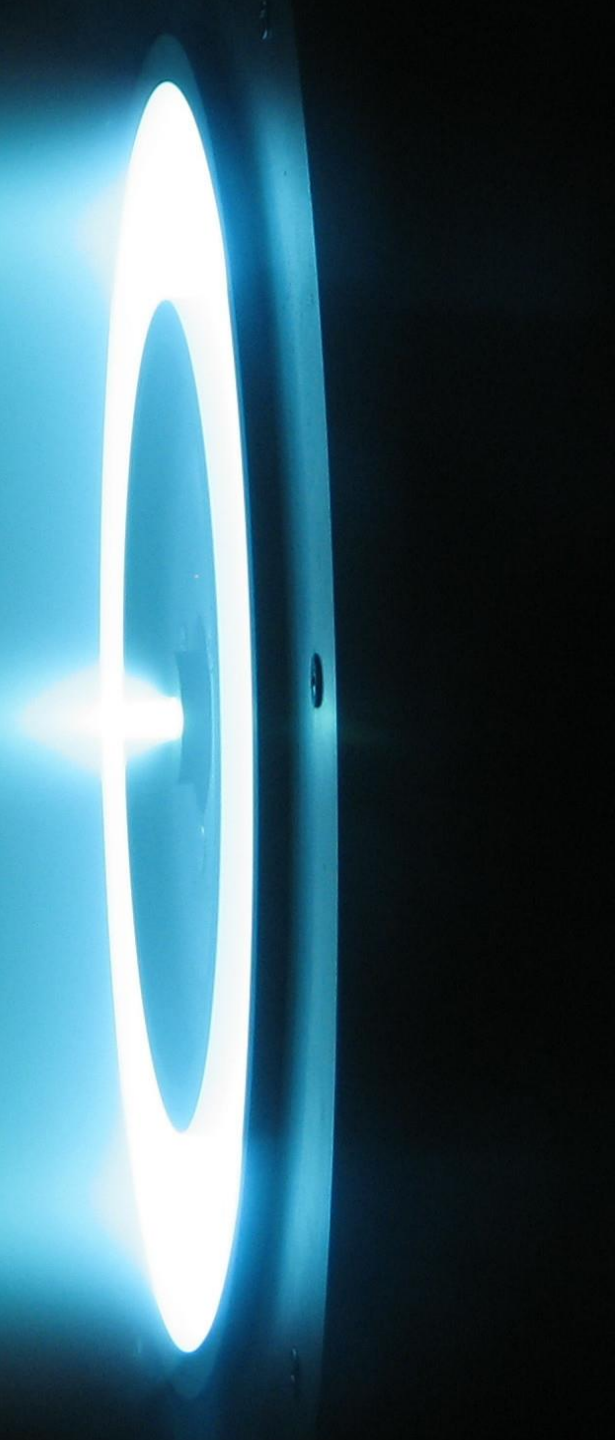


Who Studies Hall Effect Thrusters and Where?

David M Vermillion



Background



PERSONAL PROJECT



METADATA

Locations

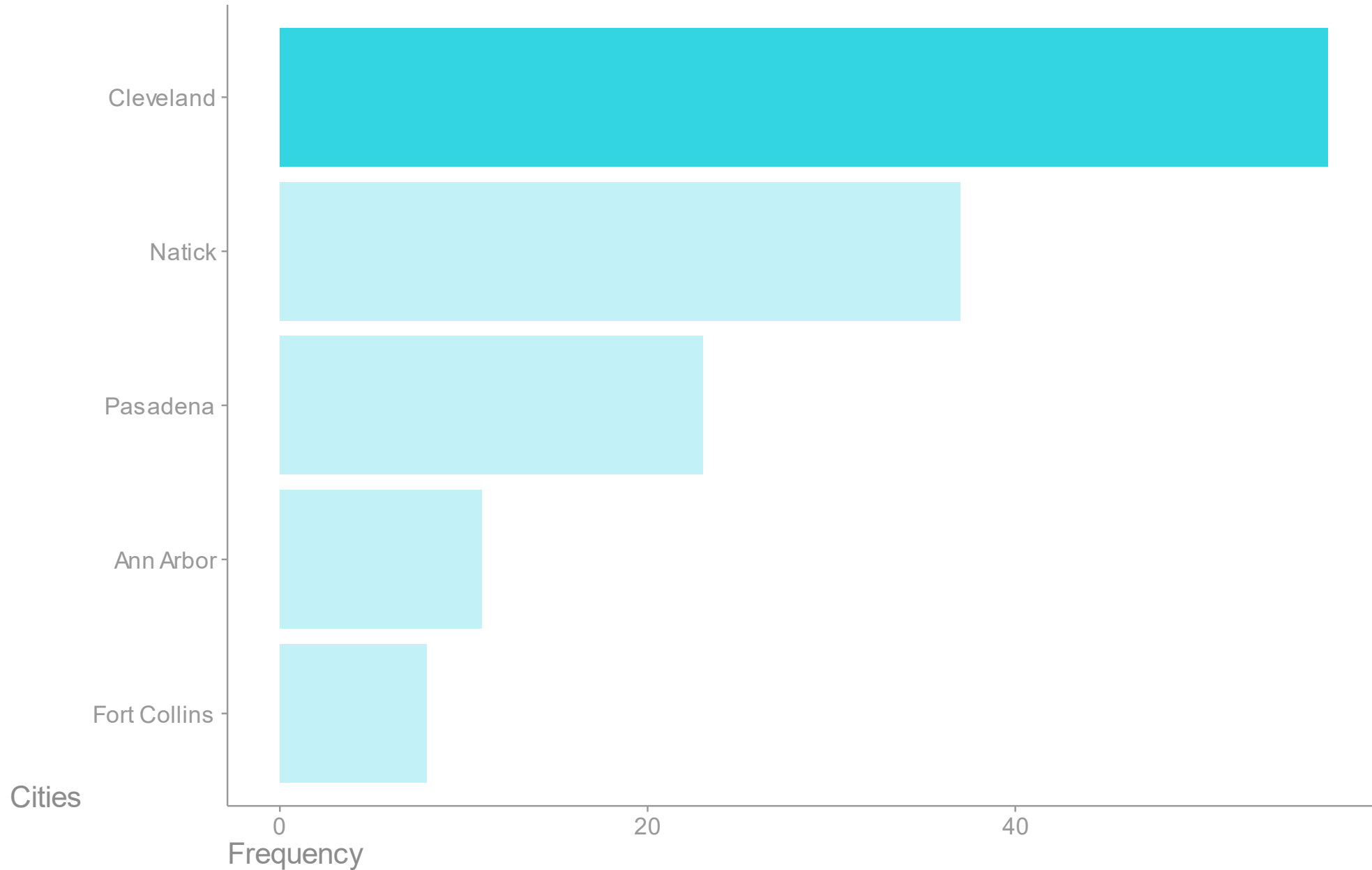


Research Centers

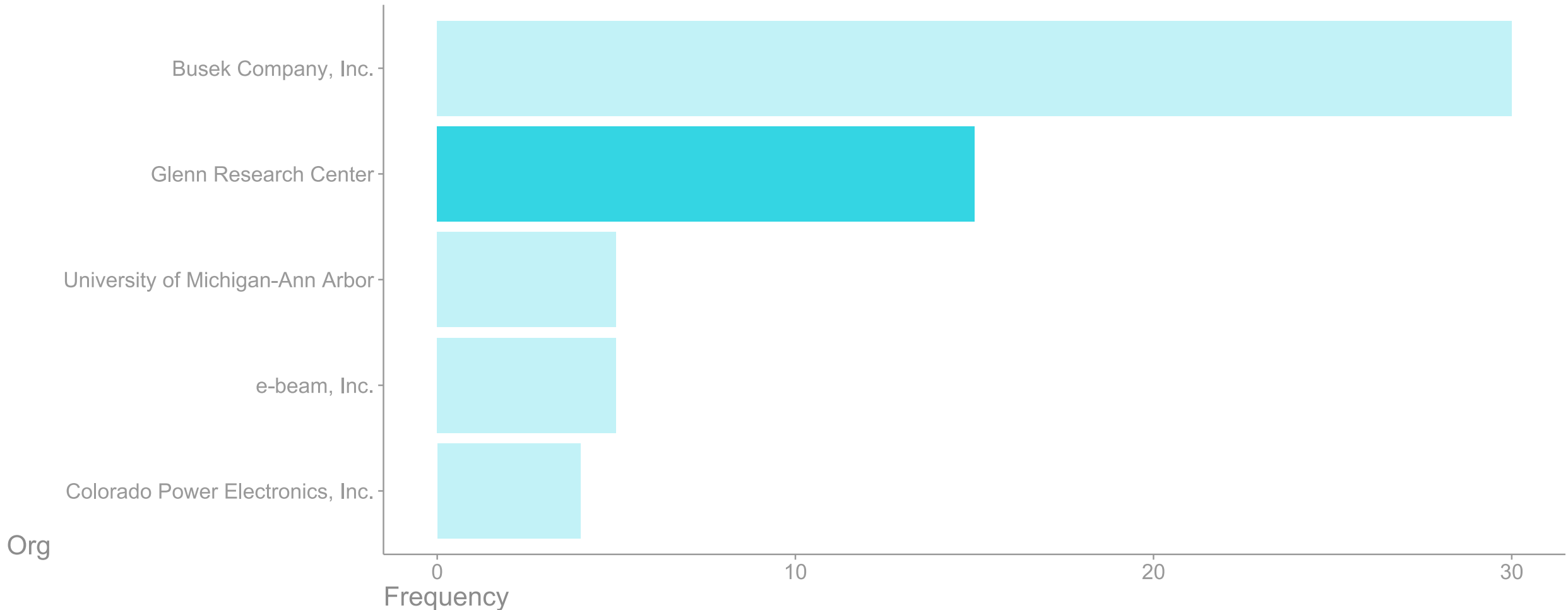


Cities

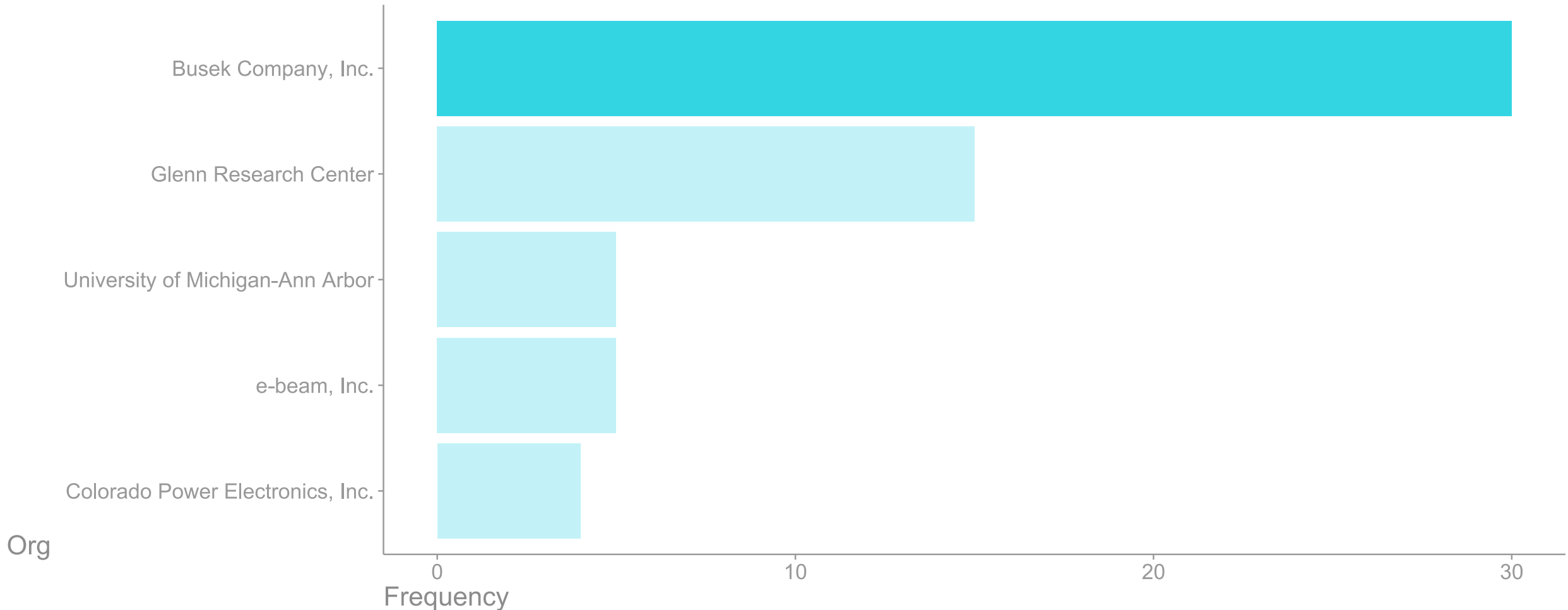
Cleveland appeared 57 times



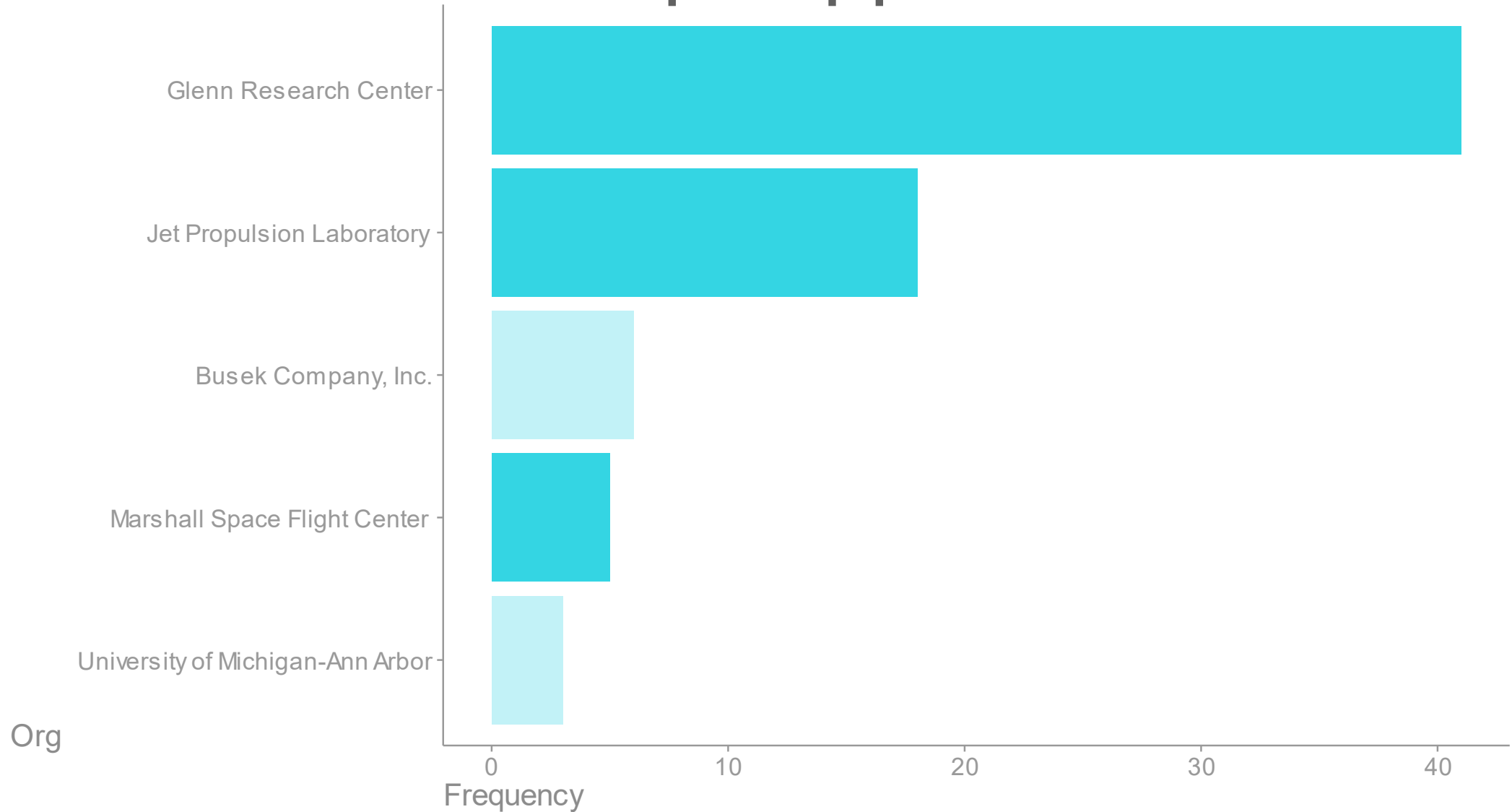
Only one NASA agency was a top five lead research center



Busek Company built the first flight US Hall Thruster



Three NASA agencies were top supporters



Title and Description



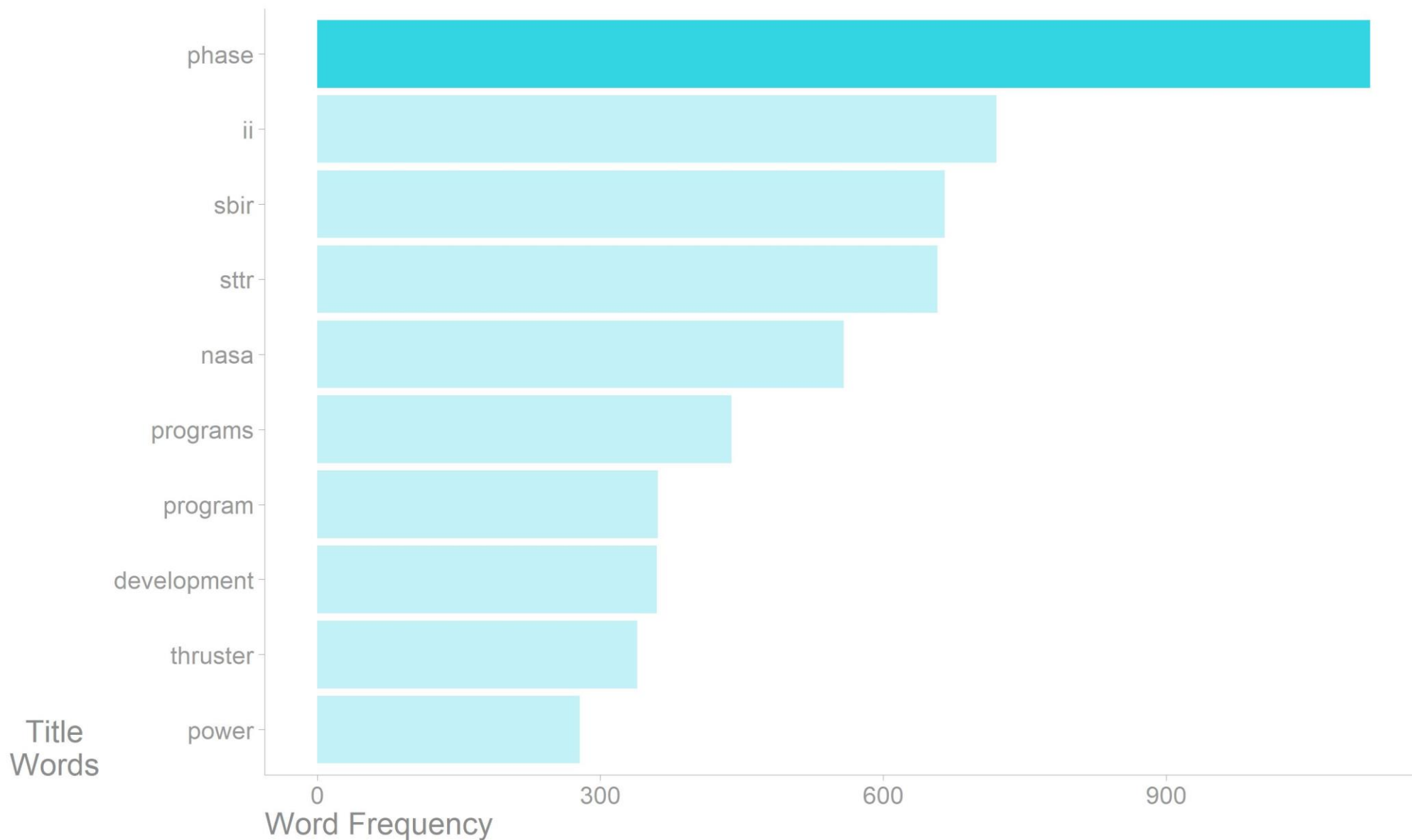
Sentiment Analysis



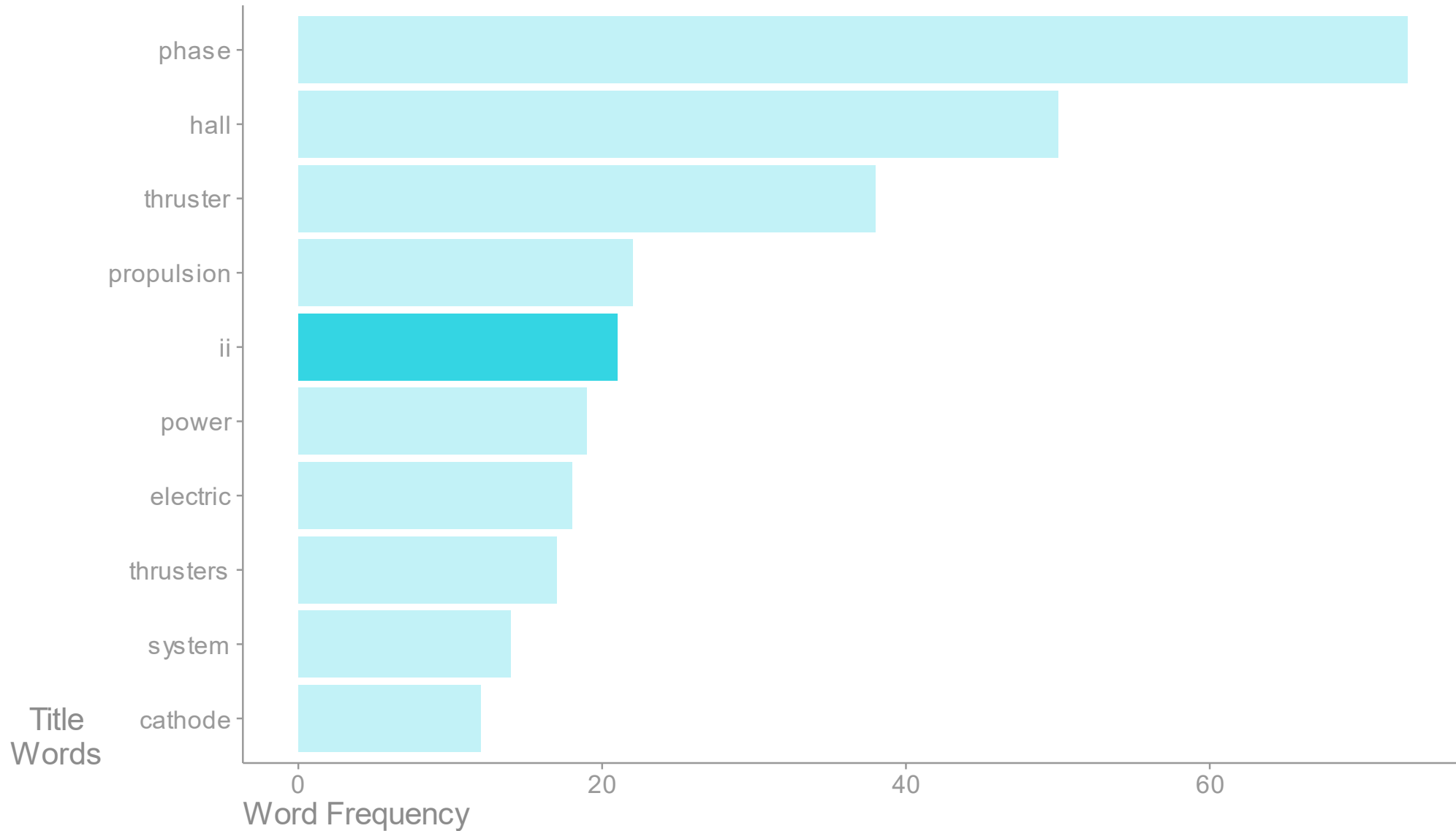
Word Frequency

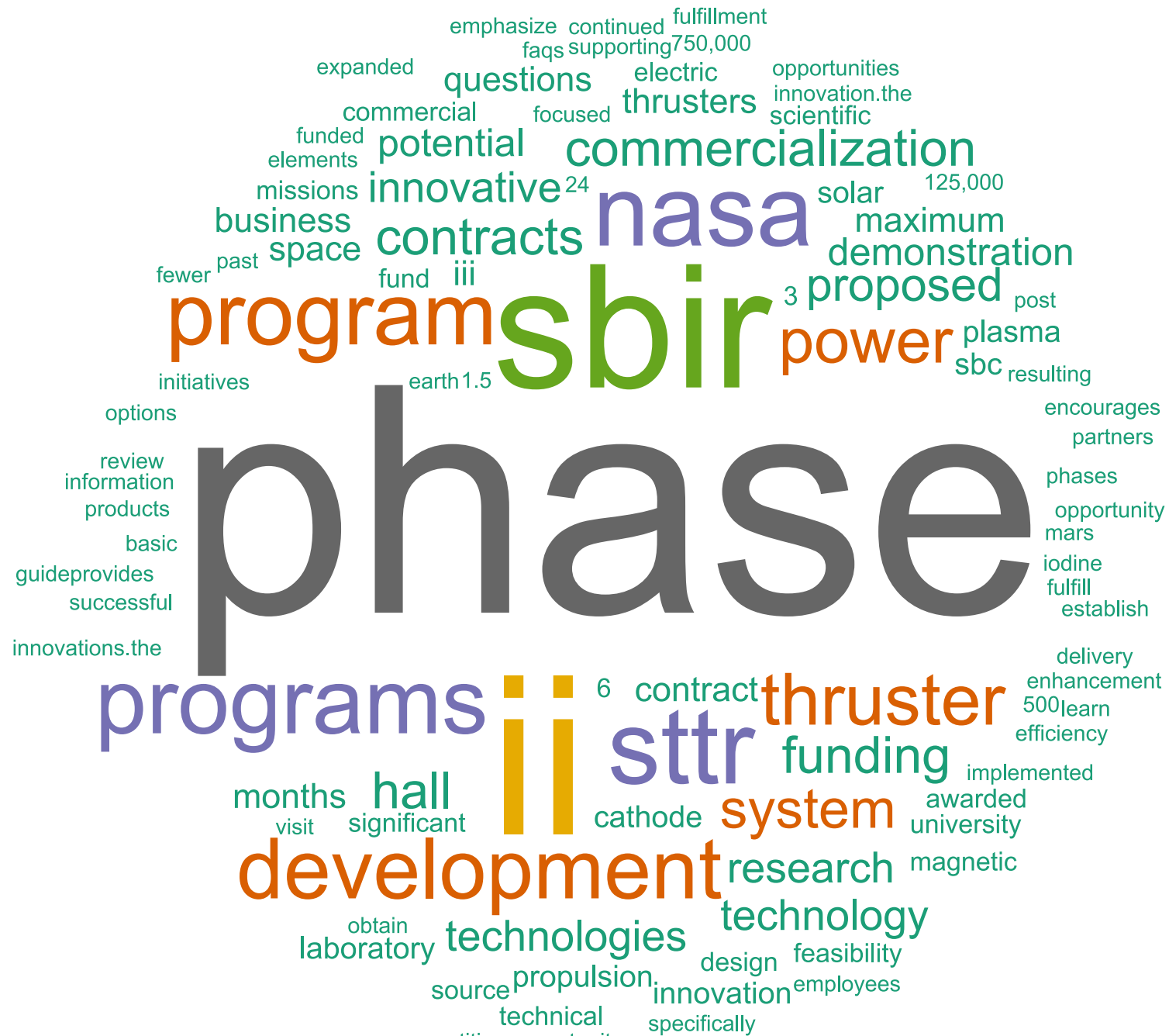
Phase was referenced >1k times

Nearly 12 times per study



21 studies were in Phase II





utilizing technology
demonstration converter discharge throttling
nested hollow channel wide propellant
spacecraft deep 600
missions direct cathode cathodes support
array drive volt lightweight
kinetic sic iodine propulsion cost cubesat
development space ppu payload
espa effect orbit exploration
voltage
molecular output
extended modular heater
sep ion
magnetic
modeling
hybrid low life
shared mode
lifetime solar
efficiency
processing power electric
insulators stretched
performance plasma throughput
magnetics range reservoir processes
maneuvering measurements
field kw mpd based module
unit system secondary
gas lens silicon
erosion micro operating
silicon

Starting Years and Months

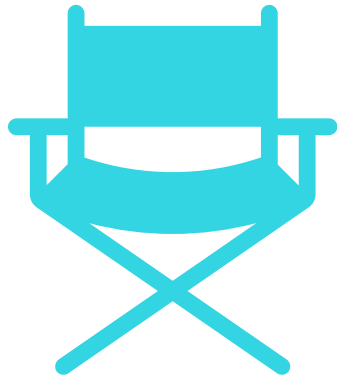


Year



Month

The People Behind the Studies



Directors



Principle Investigators



Thoughts?