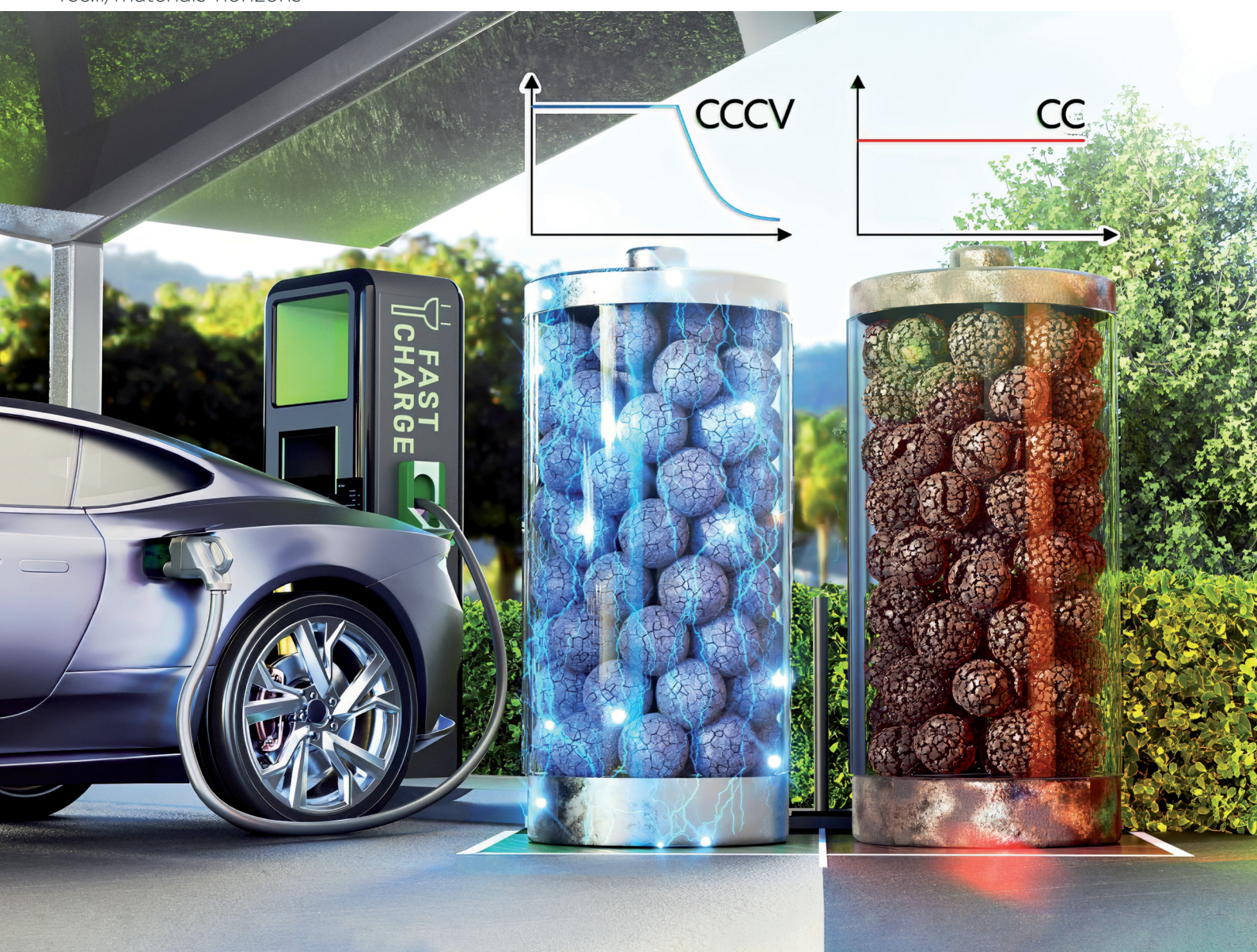


# Materials Horizons

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## COMMUNICATION

Janghyuk Moon, Kyu-Young Park, Yong-Tae Kim *et al.*  
Understanding mechanical failure behaviours and protocol  
optimization for fast charging applications in Co-free  
Ni-based cathodes for lithium-ion batteries