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## **Lithium-ion batteries and the transition to electric vehicles: environmental challenges and opportunities from a life cycle perspective**

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### **Citation**

Xu, C. (2022, December 21). *Lithium-ion batteries and the transition to electric vehicles: environmental challenges and opportunities from a life cycle perspective*. Retrieved from <https://hdl.handle.net/1887/3503659>

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vehicles — environmental challenges and  
opportunities from a life cycle perspective**

**Chengjian Xu**

Chengjian Xu (2022)

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PhD Thesis at Leiden University, The Netherlands

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ISBN: 9789051919899

Cover: Xuanlin Fan & Chengjian Xu

Layout: Chengjian Xu

Printing: GVO printers & designers B.V., Ede, The Netherlands

# **Lithium-ion batteries and the transition to electric vehicles — environmental challenges and opportunities from a life cycle perspective**

Proefschrift

ter verkrijging van  
de graad van doctor aan de Universiteit Leiden,  
op gezag van rector magnificus prof.dr.ir. H. Bijl,  
volgens besluit van het college voor promoties  
te verdedigen op woensdag 21 december 2022  
klokke 16.15 uur

door

Chengjian Xu  
geboren te Yancheng, China  
in 1993

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