

Recent Critical Minerals-related Publications

1. Heydari, M., Noskov, A., Barron, K. C., Ciftci, M. M., Andrieu, B., Chabala, R. M., Matokwani, M., Serrenho, A., & Cullen, J. (2025). **“Toward Responsible Mining: Linking ESG Strategies with Spatial Analysis in Zambia’s Copper Mining Industry”**, *The Extractive Industries and Society*, Under review
2. Heydari, M., Mitchell, P., Cullen, L., Andrieu, B., Serrenho, A., & Cullen, J. (2025). **“A Systematic Review of Disruptions and Mitigation Strategies in the Supply Chain of Critical Minerals Needed for the Green Energy Transition”**, *Renewable and Sustainable Energy Transition*, Under review (1st revision)
3. Baptiste Andrieu, Mehrnoosh Heydari, Philip Mitchell, Luke Cullen, Alexey Noskov, Julian Allwood, André Cabrera Serrenho, and Jonathan Cullen (2025). **“Ten years on: are raw material criticality assessments making more sense?”**, preprint, under review
4. Baptiste Andrieu, Karla Cervantes Barron, Mehrnoosh Heydari, Amir H Keshavarzzadeh and Jonathan Cullen (2025). **“Country’s wealth is not associated with domestic control of metal ore extraction”**, *Communications Earth & Environment*, **6**, Article number 379 (2025)
5. Baptiste Andrieu, Karla Cervantes Barron, Raghav Pant, Samira Barzin, Mehrnoosh Heydari, Gaël Parpan and Jonathan Cullen (2025). **“The Impact of mine ownership on trade of metal ores”**, *Resources, Conservation and Recycling*, under review
6. Luke Cullen, Baptiste Andrieu, Scott Jeen, André Cabrera Serrenho and Jonathan Cullen (2025). **“Is the Concentration of Battery Manufacturing in China an Inevitable Hazard to Global Lithium Ion Battery Supply?”**, XXXXX, under review

7. *Cervantes Barron, K., Clube, R. K. M., Chabala, R., Matokwani, M., & Chikwamo, M. J. (2024). "Value addition for who? Challenges to local participation in downstream critical mineral ventures in Zambia". The Extractive Industries and Society, 20, 101554*
8. *Raghav Pant, Yue Li, Jim W Hall (2024) "Reviewing and informing the existing gaps for Critical Infrastructure interdependencies", MIRACA Project*
9. *Kaczmarska M, Clube RKM, Mubanga FC, Tomei J (2025), "A policy and practice divide? Zambia's artisanal and small-scale mining sector and the Sustainable Development Goals", Journal of Rural Studies 120 (2025) 103774*
10. *Karla Cervantes Barron, Jonathan Cullen (2024), "Using open-source tools to project bulk and critical material demand and assess implications for low-carbon energy and transport systems: Introducing Mat-dp model tools", Resources Conservation and Recycling 209(2):107803*