## Academic Paper

- Electric vehicle battery supply chain and critical materials: a brief survey of state of the art
- Challenges and recent developments in supply and value chains of electric vehicle batteries: A sustainability perspectiv Cost-effective supply chain for electric vehicle battery remanufacturing
- The supply chain for electric vehicle batteries

- Tritical insulation of electric venice outcomes

  Gritical issues in the supply chain of lithium for electric vehicle batteries

  Building a Robust and Resillent U.S. Lithium Battery Supply Chain

  At the mining or extraction stage, major risks include the location of the deposit, cost, geopolitical environment, and

- At the imming to extraction stage, major has a more accessed as a mining regulations and mining regulations. A SWOT Analysis of the UK EV Battery Supply Chain Lithium-ion battery supply chain: enabling national electric vehicle and renewables targets Sustainable electric vehicle batteries for a sustainable world: perspectives on battery cathodes, environment, supply
- chain, manufacturing, life cycle, and policy
  Developing pricing strategy to optimise total profits in an electric vehicle battery closed loop supply chain

- Optimising quantity of manufacturing and remanufacturing in an electric vehicle battery closed-loop supply chain Life-cycle implications and supply chain logistics of electric vehicle battery recycling in California Analyzing challenges for sustainable supply chain of electric vehicle batteries using a hybrid approach of Delphi and Best-Worst Method
- $Determining \ requirements \ and \ challenges \ for \ a \ sustainable \ and \ circular \ electric \ vehicle \ battery \ supply \ chain: \ A \ mixed-property \ for \ a \ constant \ for \ a \ constant \ for \ c$ methods approach
- Graphite resources, and their potential to support battery supply chains, in Africa
- Lithium-ion battery supply chain considerations: analysis of potential bottlenecks in critical metals. The case for recycling: Overview and challenges in the material supply chain for automotive li-ion batteries Global Value Chains: Graphite in Lithium-ion Batteries for Electric Vehicles.

- Traceability methods for cobalt, lithium, and graphite production in battery supply chains
  The global cycle of Graphite A dynamic Material Flow Analysis (2020-2050) of the natural, synthetic and recycled graphite value chains to understand the supply of LIB anodes

- Repline Value Unions to Understand the supply of Distributions of Patential System Analysis of five battery-related raw materials: Cobalt, Lithium, Manganese, Natural Graphite, Nickel Life cycle assessment of natural graphite production for lithium-ion battery anodes based on industrial primary data

- Sustainability challenges throughout the electric vehicle battery value chain Electric vehicle battery chemistry affects supply chain disruption vulnerabilities Global competition in the lithium-in ob nattery supply chain: a novel perspective for criticality analysis Supply risks of lithium-ion battery materials: An entire supply chain estimation

- Vulnerable links in the lithium-ion battery supply chain
  The global battery arms race: lithium-ion battery gigafactories and their supply chain
  Towards the lithium-ion battery production network: Thinking beyond mineral supply chains
- Challenges and opportunities in lithium-ion battery supply Identifying supply risks by mapping the cobalt supply chain
  The Cobalt Supply Chain and Environmental Life Cycle Impacts of Lithium-Ion Battery Energy Storage Systems

- Environmental sustainability and supply resilience of cobalt
  Perspectives on cobalt supply through 2030 in the face of changing demand
  An integrated supply chain analysis for cobalt and rare earth elements under global electrification and constrained
- resources
- Sources of uncertainty in the closed-loop supply chain of lithium-ion batteries for electric vehicles

  Battery technology and recycling alone will not save the electric mobility transition from future cobalt shortages

  Global value chains: cobalt in lithium-ion batteries for electric vehicles

- Global electrification of vehicles and intertwined material supply chains of cobalt, copper and nickel The cobalt supply chain and life cycle assessment of lithium-ion battery energy storage systems Towards the lithium-ion battery production network: Thinking beyond mineral supply chains

- Vertically Integrated Supply Chain of Batteries, Electric Vehicles, and Charging Infrastructure: A Review of Three Milestone Projects from Theory of Constraints Perspective
  The behavioural evolution of the smart electric vehicle battery reverse supply chain under government supervision

- Managing resource dependencies in electric vehicle supply chains: a multi-tier case study

  Application of sustainable supply chain finance in end-of-life electric vehicle battery management: a literature review

  Structural characteristics and disruption ripple effect in a meso-level electric vehicle Lithium-ion battery supply chain network
- Battery global value chain and its technological challenges for electric vehicle mobility
  Building a competitive advantage for Indonesia in the development of the regional EV battery chain
  Recycling mode selection and carbon emission reduction decisions for a multi-channel closed-loop supply chain of
- electric vehicle power battery under cap-and-trade policy
  A sustainable circular supply chain network design model for electric vehicle battery production using internet of things
- and big data
- The CO2 Impact of the 2020s Battery Quality Lithium Hydroxide Supply Chain
  Electric vehicle supply chain management: A bibliometric and systematic review
  Long-term Indonesia's Nickel Supply Chain Strategy for Lithium-Ion Battery as Energy Storage System
- Battery Nickel Bottlenecks
- Life-cycle analysis, by global region, of automotive lithium-ion nickel manganese cobalt batteries of varying nickel content
- Battery minerals from Finland: Improving the supply chain for the EU battery industry using a geometallurgical approach
- Exploring recycling options in battery supply chains—a life cycle sustainability assessment Assessment of social sustainability hotspots in the supply chain of lithium-ion batteries
- Conflict minerals and battery materials supply chains: A mapping review of responsible sourcing initiatives
- Analysis of nickel sulphate datasets used in lithium-ion batteries
  Design of battery supply chains under consideration of environmental and socio-economic criteria
  Analysis of international nickel flow based on the industrial chain
- Value recovery from spent lithium-ion batteries: A review on technologies, environmental impacts, economics, and
- supply chain

  Dynamic evolution of the zinc-nickel battery industry and evidence from China
- A perspective on the sustainability of cathode materials used in lithium-ion batteries
- An improved resource midpoint characterization method for supply risk of resources: integrated assessment of Li-ion batteries Deep-sea nodules versus land ores: A comparative systems analysis of mining and processing wastes for battery-metal
- supply chains Industrial policy, trade, and clean energy supply chains
- The electric vehicle revolution: Critical material supply chains, trade and development
- Interiestric venicie revolution: Critical material supply chains, trade and development industrial policy for electric vehicle supply chains and the USE-UI fight over the Inflation Reduction Act Strategic Battery Autarky: Reducing Foreign Dependence in the Electric Vehicle Supply Chain Electric vehicle battery secondary use under government subsidy: A closed-loop supply chain perspective Blockchain review for battery supply chain monitoring and battery trading Trade structure and risk transmission in the international automotive Li-ion batteries trade

  The EV Revolution: Critical Material Supply Chains, Trade, and Development

  Ac Quanting of the Lithburg Supply Chains, Trade, and Development

- An Overview of the Lithium Supply Chain
- Comparison of lithium-ion battery supply chains—a life cycle sustainability assessment
  The ev transition: Key market and supply chain enablers
  The Lithium Supply Crunch Doesn't Have to Stall Electric Cars
- Hydrometallurgical Routes to Close the Loop of Electric Vehicle (EV) Lithium-Ion Batteries (LIBs) Value Chain: A Review Global warming potential of lithium-ion battery cell production: Determining influential primary and secondary raw
- material supply routes
- Lithium mining: How new production technologies could fuel the global EV revolution The cobalt and lithium global supply chains: status, risks and recommendations Sustainable value chain of retired lithium-ion batteries for electric vehicles
- Assessing the potential of quebec lithium industry: Mineral reserves, lithium-ion batteries production and greenhouse gas emissions
  Current and Future Global Lithium Production Till 2025
- Lithium-ion Batteries Recycling Trends and Pathways: A Comparison Alternative battery chemistries and diversifying clean energy supply chains Lithium and cobalt
- A Study on the Cradle-to-Gate Environmental Impacts of Automotive Lithium-ion Batteries
- Determining requirements and challenges for a sustainable and circular electric vehicle battery supply chain: A mixed-methods approach Status and gap in rechargeable lithium battery supply chain: importance of quantitative failure analysis
- Critical Factors to Consider in Purchasing for a Sustainable Inbound Supply Chain: A Perspective on Large Scale Lithiumion Battery Manufacturing
- Assessing batteries supply chain networks for low impact vehicles
- A comparative assessment of value chain criticality of lithium-ion battery cells

  Conflict minerals and battery materials supply chains: A mapping review of responsible sourcing initiatives

  Battery Critical Materials Supply Chain Challenges and Opportunities: Results of the 2020 Request for Information (RFI)
- and Workshop Key Strategic Issues in Supply Chain Domain Pertaining to Battery Industry.
  Identifying trends in battery technologies with regard to electric mobility: evidence from patenting activities along and
- across the battery value chain
  Electric Vehicle Battery Supply Chain and Critical Materials: A Brief Survey of State of the Art
  Estimating the environmental impacts of global lithium-ion battery supply chain: A temporal, geographical, and technological perspective
- A SWOT Analysis of the UK EV Battery Supply Chain

- The Electric Vehicle Supply Chain Ecosystem: Changing Roles of Automotive Suppliers
   Electric Vehicle Battery Supply Chain and Critical Materials: A Brief Survey of State of the Art
- Estimating the environmental impacts of global lithium-ion battery supply chain: A temporal, geographical, and
- technological perspective A SWOT Analysis of the UK EV Battery Supply Chain

- Building a North American electric vehicle supply chain
- - INVESTIGATING THE U.S. BATTERY SUPPLY CHAIN AND ITS IMPACT ON ELECTRIC VEHICLE COSTS THROUGH 2032

  - effect on lithium batteries
  - supply chains A game theoretic approach for analyzing electric and gasoline-based vehicles' competition in a supply chain under

  - dynamics perspective
  - On the influence of second use, future battery technologies, and battery lifetime on the maximum recycled content of future electric vehicle batteries in Europe
    Assessing batteries supply chain networks for low impact vehicles
- - Electric vehicle battery state changes and reverse logistics considerations

- electric vehicle batteries
- Collection mode choice of spent electric vehicle batteries: considering collection competition and third-party economies

- Analysis
- The Emerging Electric Vehicle and Battery Industry in Indonesia: Actions around the Nickel Ore Export Ban and a SWOT

- Life cycle impact assessment of electric vehicle battery charging in European Union countries Assessing socio-economic risks in the supply chain of materials required for vehicle electrification ■ Intelligent disassembly of electric-vehicle batteries: a forward-looking overview
- Research on decision optimization of new energy vehicle supply chain considering demand disruptions under dual credit
- Systems .
- pathways

- Optimal pricing strategy in the closed-loop supply chain using game theory under government subsidy scenario: A case
- Perspectives on Cobalt Supply through 2030 in the Face of Changing Demand McKinsey Electric Vehicle Index: Europe cushions a global plunge in EV sales

- Friend-shoring battery supply chains

  Estimating the environmental impacts of global lithium-ion battery supply chain: A temporal, geographical, and
- The Electric Vehicle Supply Chain Ecosystem: Changing Roles of Automotive Suppliers

- reduction

- Deep-sea nodules versus land ores: A comparative systems analysis of mining and processing wastes for battery-metal

- A Novel Prediction Process of the Remaining Useful Life of Electric Vehicle Battery Using Real-World Data Capturing the battery value-chain opportunity
  Digital Twin-Driven Framework for EV Batteries in Automobile Manufacturing

- Trade structure and risk transmission in the international automotive Li-ion batteries trade
  The Supply Chain Diversification and India–South Korea Cooperation in a Contested East Asia in the Post-COVID-19 Era
  Toward Sustainable Reuse of Retired Lithium-ion Batteries from Electric Vehicles
- Steering extended producer responsibility for electric vehicle batteries
- Traceability Management Strategy of the EV Power Battery Based on the Blockchain

  Electric vehicle lithium-ion battery recycled content standards for the US targets, costs, and environmental impacts

  What is the contribution of different business processes to material circularity at company-level? A case study for

- Tackling EV Battery Chemistry in View of Raw Material Supply Shortfalls
  Which is better? Business models of partial and cross ownership in an NEV supply chain
  Materials availability and supply chain considerations for vanadium in grid-scale redox flow batteries
- Circularity of Lithium-Ion Battery Materials in Electric Vehicles

  Assessment of end-of-life electric vehicle batteries in China: Future scenarios and economic benefits
  The Resilience of the Renewable Energy Electromobility Supply Chain: Review and Trends
- application A sustainable framework for the second-life battery ecosystem based on blockchain
- **EMISSION VEHICLES**
- Reverse Logistics Network Design of Electric Vehicle Batteries considering Recall Risk Battery capacity needed to power electric vehicles in India from 2020 to 2035
  The future of the automotive sector: Emerging battery value chains in Europe
  Radical innovations as supply chain disruptions? A paradox between change and stability
- A Review on Battery Market Trends, Second-Life Reuse, and Recycling
- Mirroring in production? Early evidence from the scale-up of Battery Electric Vehicles (BEVs)
  Life-Cycle Assessment Considerations for Batteries and Battery Materials
  Operation Management of Multiregion Battery Swapping—Charging Networks for Electrified Public Transportation
- Comparison of Electric Vehicle Lithium-Ion Battery Recycling Allocation Methods
  Manufacturing value chain for battery electric vehicles in Pakistan: An assessment of capabilities and transition
- Rethinking Chinese supply resilience of critical metals in lithium-ion batteries
- Predictive model for energy consumption of battery electric vehicle with consideration of self-uncertainty route factors
- McKinsey Electric Vehicle Index: Europe cushions a global plunge in Expanses
  Lithium in International Law: Trade, Investment, and the Pursuit of Supply Chain Justice

- technological perspective Global Supply Chains of EV Batteries Building a Sustainable Electric Vehicle Battery Supply Chain
- GLOBAL STATE OF Sustainable ELECTRIC VEHICLE BATTERIES

  Collection and recycling decisions for electric vehicle end-of-life power batteries in the context of carbon emissions

- The Paradox of Green Growth: Challenges and Opportunities in Decarbonizing the Lithium-Ion Supply Chain Implications of the Electric Vehicle Manufacturers' Decision to Mass Adopt Lithium-Iron Phosphate Batteries
- Reducing new mining for electric vehicle battery metals: responsible sourcing through demand reduction strategies and
- recycling Automated assembly of Li-ion vehicle batteries: A feasibility study Field Study and Multimethod Analysis of an EV Battery System Disassembly
  - COVID-19 disrupts battery materials and manufacture supply chains, but outlook remains strong An overview of global power lithium-ion batteries and associated critical metal recycling Does China's new energy vehicles supply chain stock market have risk spillovers? Evidence from raw material price
- government sustainable strategies: A case study of South Korea China's lithium supply chain: Security dynamics and policy countermeasures
- Exploring recycling options in battery supply chains a life cycle sustainability assessment Lithium-Ion Battery Recycling in the Circular Economy: A Review Implications of circular production and consumption of electric vehicle batteries on resource sustainability: A system
- Mapping a circular business opportunity in electric vehicle battery value chain: A multi-stakeholder framework to create a win—win—win situation

  An applied analysis of the recyclability of electric vehicle battery packs
- Optimising the geospatial configuration of a future lithium ion battery recycling industry in the transition to electric vehicles and a circular economy  $\dot{x}$  Can Cobalt Be Eliminated from Lithium-lon Batteries?
- Sizing and Locating Planning of EV Centralized-Battery-Charging-Station Considering Battery Logistics System Taming the Hydra: Funding the Lithium Ion Supply Chain in an Era of Unprecedented Volatility Battery technology and recycling alone will not save the electric mobility transition from future cobalt shortages
- Bactery technicogy and recently and the second of the seco
- To shred or not to shred: A comparative techno-economic assessment of lithium ion battery hydrometallurgical recycling retaining value and improving circularity in LIB supply chains
- Value recovery from spent lithium-ion batteries: A review on technologies, environmental impacts, economics, and supply chain

  Optimal choice of power battery joint recycling strategy for electric vehicle manufacturers under a deposit-refund
- system .
- Electric vehicle battery capacity allocation and recycling with downstream competition
- Industrial Policy, Trade, and Clean Energy Supply Chains
  Concurrent design of product and supply chain architectures for modularity and flexibility: process, methods, and
- Comparative evaluation and policy analysis for recycling retired EV batteries with different collection modes HOW TECHNOLOGY, RECYCLING, AND POLICY CAN MITIGATE SUPPLY RISKS TO THE LONG-TERM TRANSITION TO ZERO-
- Decarbonizing the automotive sector: a primary raw material perspective on targets and timescales
  The Emerging Electric Vehicle and Battery Industry in Indonesia: Actions around the Nickel Ore Export Ban and a SWOT
- End of Electric Vehicle Batteries: Reuse vs. Recycle
  Securing Decarbonized Road Transport a Comparison of How EV Deployment Has Become a Critical Dimension of
  Battery Security Strategies for China, the EU, and the US.
- Transition to electric vehicles in China: Implications for private motorization rate and battery market
- Spatial modeling of a second-use strategy for electric vehicle batteries to improve disaster resilience and circular economy On the sustainability of lithium ion battery industry – A review and perspective
- The End of Globalized Production? Supply-Chain Resilience, Technological Sovereignty, and Enduring Global Interdependencies in the Post-Pandemic Era Environmental feasibility of secondary use of electric vehicle lithium-ion batteries in communication base stations
- Supply chain risks of critical metals: Sources, propagation, and responses

  Decentralized Planning of Lithium-Ion Battery Production and Recycling

  Improvements in electric vehicle battery technology influence vehicle lightweighting and material substitution decisions