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TCGR Report Catalog

IETD Consortium & Catalytic Advances Program (CAP) — available reports by topic

Market, Industry & Strategy

- 2023** Analysis of CO₂ Sources and Demand for CO₂-Derived Products
- 2021** Progress Towards Operating a Viable Business in CO₂
- 2021** Catalogue of Most Important Scientific Advances in CCUS Over the Past 3 Years
- 2020** The Role of CO₂ Emissions Reduction in Overall Corporate Sustainability Initiatives

Sustainable Chemicals, Fuels & Decarbonization

- 2023** Techno-economic Analysis (TEA) Case Study Series – Vol 1: Biomass to Renewable Fuel, CO₂ to Methanol, and Refinery Carbon Capture
- 2020** Life Cycle Assessment (LCA) for Sustainable Chemical and Polymer Production
- 2020** Energy Efficiency/CO₂ Mitigation Case Study Series – Vol. 3: Allied Industries

Capture, Sequestration & Conversion

- 2023** Lessons Learned: Case Studies of Successful and Failed CCUS Projects
- 2022** State of the Art and Future Prospects for Catalytic and Electrochemical Routes to CO₂ Conversion
- 2022** Advanced Materials for CO₂ Capture and Separation
- 2022** CO₂ Reduction via Biomass Conversion in Energy and Chemicals
- 2021** Permanent Sequestration of CO₂ in Industrial Wastes/Byproducts

Catalysis & Materials

- 2023** Catalysts & Catalyst Manufacturing Methods for Decarbonization
- 2023** Startups in Catalysis & Catalytic Processes
- 2023** Advances in Materials for Catalysis
- 2022** Advances in Catalytic Science for the Upgrading Conversion & Co-Processing of Circular Feedstocks
- 2022** Electrification of Catalytic Processes
- 2022** Catalysts & Materials to Address the Energy Transition Fuel Cells Batteries & Energy Storage
- 2021** Advances in Catalysis or Plastic Conversion to Hydrocarbons
- 2021** Advances in Non-noble-metal Catalysts for Reforming and Conversion of Hydrocarbons
- 2021** Electrocatalytic Approaches to Traditional Thermochemical Processes (including Hydrogen)
- 2020** Catalysts Catalytic Processes and Materials for Renewable Energy Production and Storage
- 2020** Advances in Digitalization of Catalysis How IR4.0 is Revolutionizing the Way We Go About Catalysis
- 2020** Novel Potential Catalysts for Oil to Chemicals Conversion