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#### Sommario/riassunto

These Proceedings represent the metallurgical engineering and materials science research presented at the 61st Annual Conference of Metallurgists, held in Montreal, Canada from 21-24 August 2022. The collection themed 'The Pathway to Net-Zero' presents findings on a wide range of topics including: Processing of Critical Materials Towards Sustainable Circularity; Mining to Materials; Deep Decarbonization Pathways for Pyrometallurgical Processes: Opportunities & Challenges; Energy and Environmental Materials; Light Metals for the Transportation Industry; Advances in Materials Manufacturing VI – Existing and Emerging Materials; Electrochemical Degradation of Multi-component Materials.

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