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ISBN	3-030-88087-7
Edizione	[Second edition.]
Descrizione fisica	1 online resource (462 pages)
Collana	Minerals, metals and materials series
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Note generali	Includes index.
Sommario/riassunto	This revised, new edition retains its class-tested coverage of how metals behave in water while updating and expanding information about metals processing methods. The book further retains its emphasis on predicting and engineering the way metals are extracted from ore sources, separated from unwanted entities, recovered as metals, and purified using water based processing. The transformation of minerals to metals requires hydrometallurgical processing for nearly all of the nonferrous metals we use. This book elucidates the associated fundamentals and processing applications as well as related tools to assess processes and performance. The new edition further includes additional photographs, updated drawings, supplementary data, updated descriptive information, and new detail on rare earth elements processing as well as recycling and byproduct recovery of metals.