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| 1. Record Nr.           | UNISOBE600200005670             |
| Autore                  | Accame, Vincenzo                |
| Titolo                  | Jarry / Vincenzo Accame         |
| Pubbl/distr/stampa      | Firenze : La Nuova Italia, 1974 |
| Descrizione fisica      | 90 p. ; 17 cm                   |
| Collana                 | Il Castoro ; 88                 |
| Lingua di pubblicazione | Italiano                        |
| Formato                 | Materiale a stampa              |
| Livello bibliografico   | Monografia                      |
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| 2. Record Nr.           | UNINA9910557749103321   |
| Autore                  | Sommitsch Christof  |
| Titolo                  | Numerical Modelling and Simulation of Metal Processing  |
| Pubbl/distr/stampa      | Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021   |
| Descrizione fisica      | 1 online resource (374 p.)  |
| Soggetti                | Technology: general issues  |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Sommario/riassunto      | This book deals with metal processing and its numerical modelling and simulation. In total, 21 papers from different distinguished authors have been compiled in this area. Various processes are addressed, including solidification, TIG welding, additive manufacturing, hot and cold rolling, deep drawing, pipe deformation, and galvanizing. Material models are developed at different length scales from atomistic simulation to finite element analysis in order to describe the evolution |

and behavior of materials during thermal and thermomechanical treatment. Materials under consideration are carbon, Q&T, DP, and stainless steels; ductile iron; and aluminum, nickel-based, and titanium alloys. The developed models and simulations shall help to predict structure evolution, damage, and service behavior of advanced materials.

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