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Autore	Williams Alan (Alan R.)
Titolo	The sword and the crucible [[electronic resource] ] : a history of the metallurgy of European swords up to the 16th century // by Alan Williams
Pubbl/distr/stampa	Leiden ; ; Boston, : Brill, 2012
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Descrizione fisica	1 online resource (300 p.)
Collana	History of warfare, , 1385-7827 ; ; v. 77
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Soggetti	Metallurgy - Europe - History - To 1500 Swords - Europe - History - To 1500
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preliminary Material -- 1. The Extraction of the First Metals -- 2. The Smelting of Iron and the Production of Steel -- 3. Different Ways of Making Steel—Eastern and Western Steelmaking -- 4. Celtic and Roman Swords -- 5. Pattern-Welding -- 6. The Revival of Science in Europe -- 7. The Survival of Technology From the Ancient World -- 8. Viking-Age Swords and Their Inscriptions -- 9. The Invention of the Blast Furnace and Finery -- 10. Bloomery Steel and the Development of All-Steel Swords after 1400 -- 11. The Mass-Production of Steel for Swords and Armour -- 12. The Decoration of Swords by Etching and Gilding -- 13. Medieval European swords after 1000 -- Further reading -- Index.
Sommario/riassunto	The sword was the most important of weapons, the symbol of the warrior, not to mention the badge of a officer and a gentleman. Much has been written about the artistic and historical significance of the sword, but outside specialised publications, relatively little about its metallurgy, and that often confined to a particular group. This book aims to tell the story of the making of iron and steel swords from the first Celtic examples through the Middle Ages to the Early Modern period. The results of the microscopic examination of over a hundred swords by the author and other archaeometallurgists are given and

explained in terms of the materials available in Europe.

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