

1. Record Nr.	UNINA9910557382603321
Autore	Fossa Marco
Titolo	Design of Heat Exchangers for Heat Pump Applications
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2020
Descrizione fisica	1 online resource (172 p.)
Soggetti	History of engineering and technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Heat pumps (HPs) allow for providing heat without direct combustion, in both civil and industrial applications. They are very efficient systems that, by exploiting electrical energy, greatly reduce local environmental pollution and CO₂ global emissions. The fact that electricity is a partially renewable resource and because the coefficient of performance (COP) can be as high as four or more, means that HPs can be nearly carbon neutral for a full sustainable future.</p> <p>The proper selection of the heat source and the correct design of the heat exchangers is crucial for attaining high HP efficiencies. Heat exchangers (also in terms of HP control strategies) are hence one of the main elements of HPs, and improving their performance enhances the effectiveness of the whole system. Both the heat transfer and pressure drop have to be taken into account for the correct sizing, especially in the case of mini- and micro-geometries, for which traditional models and correlations can not be applied. New models and measurements are required for best HPs system design, including optimization strategies for energy exploitation, temperature control, and mechanical reliability. Thus, a multidisciplinary approach of the analysis is requested and become the future challenge.</p>

2. Record Nr.	UNINA9910842274103321
Autore	Krmnicek Stefan
Titolo	A Collection in Context : Kommentierte Edition der Briefe und Dokumente Sammlung Dr. Karl von Schäffer
Pubbl/distr/stampa	Tübingen, : Tübingen University Press, 2017
Descrizione fisica	1 electronic resource (200 p.)
Soggetti	Classical Greek & Roman archaeology
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>The first volume of the series Tübinger Numismatische Studien examines the collection of Karl von Schäffer, comprising almost 3000 numismatic objects, which came into the possession of the University of Tübingen as an estate in 1888, in its context of scientific history. The edition of the complete collection documentation is evaluated by contributions to the history of the university collection, a biographical-psychological analysis of the person Karl von Schäffer, studies on the coin trade and on the collecting and research of coins in the 19th century, as well as by a detailed investigation of the networks of the educated bourgeoisie interested in antiquities and coins in the Kingdom of Württemberg. In the context of this dense transmission network, the coins and archival documents not only unfold their significance as important contemporary historical documents for the development of numismatics in the advanced 19th century, but at the same time represent a first-rate source for the reception of ancient coins as significant research objects in art history and cultural history.</p> <p>Band 1: A Collection in Context Mit der Begründung einer Universitätsmünzsammlung im Jahre 1798 und der Einrichtung der Numismatischen Arbeitsstelle im Jahre 1972 blickt die Universität Tübingen auf eine lange numismatische Tradition zurück. Die neue Reihe „Tübinger Numismatische Studien“ (TNS) soll die Tübinger Numismatik nun ins 21. Jahrhundert führen. Der erste Band der Reihe untersucht die knapp 3000 numismatische Objekte umfassende</p>

Sammlung Karl von Schäffer, welche als Nachlass im Jahre 1888 in den Besitz der Universität Tübingen gelangte, in ihrem wissenschaftsgeschichtlichen Kontext. Die Edition der vollständigen Sammlungsdokumentation wird durch Beiträge zur universitären Sammlungsgeschichte, einer biographisch-psychologischen Analyse der Person Karl von Schäffer, Studien zum Münzhandel und zum Sammeln und Erforschen von Münzen im 19. Jahrhundert sowie durch eine Detailuntersuchung zu den Netzwerken des antiken- und münzeninteressierten Bildungsbürgertums im Königreich Württemberg ausgewertet. Im Kontext dieses dichten Überlieferungsnetzes entfalten die Münzen und Archivalien nicht nur ihre Bedeutung als wichtige zeitgeschichtliche Dokumente für die Entwicklung der Numismatik im fortgeschrittenen 19. Jahrhundert, sondern stellen zugleich eine Quelle ersten Ranges für die Rezeption von antiken Münzen als kunstgeschichtlich und kulturhistorisch bedeutsame Forschungsobjekte dar.
