1.	Record Nr.	UNINA9910139570903321
	Autore	Theodore Louis
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	Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2011
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	Descrizione fisica	1 online resource (664 p.)
	Collana	Essential engineering calculations series ; ; 4
	Classificazione	TEC009010
		UG 2500
	Disciplina	621.402/2
	Soggetti	Heat exchangers
		Heat - Transmission
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Machine generated contents note: Preface.Introductory Comments.Part One. Introduction.1. History of Heat Transfer.2. History of Chemical Engineering: Transport Phenomena vs Unit Operations.3. Process Variables.4. Conservation Laws.5. Gas Laws.6. Heat Exchanger Pipes and Tubes.Part Two. Principles.7. Steady-State Heat Conduction.8. Unsteady-State heat Conduction.9. Forced Convection.10. Free Convection.11. Radiation.12. Condensation and Boiling.13. Refrigeration and Cryogenics.Part Three. Heat Transfer Equipment Design Procedures and Applications.14. Introduction to Heat Exchangers.15. Double Pipe Heat Exchangers.16. Shell and Tube Heat Exchangers.17. Fins and Extended Surfaces.18. Other Heat Exchange Equipment.19. Insulation and Refractory.20. Operation, Maintenance, and Inspection (OMI).21. Entropy Consideration and Analysis.22. Design Principles and Industrial Applications.Part Four. Special Topics. 23. Environmental Management.24. Accident and Emergency Management.25. Ethics.26. Numerical Methods.27. Economics and Finance.28. Open-Ended Problems.Appendix A.Appendix B.Appendix

C.Appendix D.Index.

Sommario/riassunto

"This book serves as a training tool for individuals in industry and academia involved with heat transfer applications. Although the literature is inundated with texts emphasizing theory and theoretical derivations, the goal of this book is to present the subject of heat transfer from a strictly pragmatic point of view.The book is divided into four Parts: Introduction, Principles, Equipment Design Procedures and Applications, and ABET-related Topics. The first Part provides a series of chapters concerned with introductory topics that are required when solving most engineering problems, including those in heat transfer. The second Part of the book is concerned with heat transfer principles. Topics that receive treatment include Steady-state Heat Conduction, Unsteady-state Heat Conduction, Forced Convection, Free Convection, Radiation, Boiling and Condensation, and Cryogenics. Part three (considered the heart of the book) addresses heat transfer equipment design procedures and applications. In addition to providing a detailed treatment of the various types of heat exchangers, this part also examines the impact of entropy calculations on exchanger design, and operation, maintenance and inspection (OM&I), plus refractory and insulation effects. The concluding Part of the text examines ABET (Accreditation Board for Engineering and Technology) related topics of concern, including economies and finance, numerical methods, open-ended problems, ethics, environmental management, and safety and accident management"--

2.	Record Nr.	UNINA9910715714903321
	Titolo	William J. McElhiney, E.P. Mathews, and Lawrence Cribben. (To accompany Bill H.R. No. 423.) June 23, 1854
	Pubbl/distr/stampa	[Washington, D.C.] : , : [publisher not identified], , 1854
	Descrizione fisica	1 online resource (1 pages)
	Collana	House report / 33rd Congress, 1st session. House ; ; no. 220
		[United States congressional serial set] ; ; [serial no. 743]
	Altri autori (Persone)	HillyerJunius <1807-1886> (Democrat (GA))
	Soggetti	Land tenure
		Pre-emption rights (United States)
		Public land sales
		Legislative materials.
	Lingua di pubblicazione	Inglese
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	Livello bibliografico	Monografia
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