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Autore	Nagy Andras
Titolo	Fundamentals of Tank and Process Equipment Design // by András Nagy
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	9783031312267
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (IX, 248 p. 200 illus., 48 illus. in color.)
Collana	Foundations of Engineering Mechanics, , 1860-6237
Disciplina	628.15 628.13
Soggetti	Chemical engineering Corrosion and anti-corrosives Mechanical engineering Chemical Engineering Corrosion Mechanical Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1. Design methods, design guidelines -- Chapter 2. Corrosion loads, corrosion resistance, corrosion-proof design -- Chapter 3. Dimensioning of process equipment and storage tanks. Dimensioning by taking membrane stresses into account -- Chapter 4. Dimensioning equipment loaded by external pressure -- Chapter 5. Bending stress state of axi-symmetrical shells. Strength analysis by taking bending stresses into account -- Chapter 6. Strength tests of pressure vessel ends, nozzle and support environments -- Chapter 7. Strength test and dimensioning on leak tightness of flange joints -- Chapter 8. Investigation of stress concentrating cross-sections using the finite element method.
Sommario/riassunto	This book offers a comprehensive guide to the design and construction of process equipment and storage tanks. It covers the theoretical fundamentals of calculation methods and dimensioning techniques used in the design process, as well as the interpretation and evaluation of finite element examination results for stress concentrating cross-

sections. Additionally, the book showcases corrosion-proof design through real-world examples. All measurement and calculation results presented in the book are based on the author's original research work.

2. Record Nr.	UNINA9910333248503321
Titolo	Journal of clinical neuroscience
Pubbl/distr/stampa	Melbourne, Vic., Australia, : Churchill Livingstone, ©1994- [London] : , : Harcourt Publishers Ltd. Amsterdam : , : Elsevier Science Ltd.
ISSN	1532-2653
Disciplina	616
Soggetti	Brain - Surgery Neurosciences Nervous system - Surgery Brain - surgery Neurosurgical Procedures Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed