

1. Record Nr.	UNINA9910458253303321
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Titolo	Chemical thermodynamics [[electronic resource]] : advanced applications // J. Bevan Ott and Juliana Boerio-Goates
Pubbl/distr/stampa	San Diego, Calif. ; ; London, : Academic Press, c2000
ISBN	1-281-51455-1 9786611514556 0-08-050099-4
Descrizione fisica	1 online resource (465 p.)
Altri autori (Persone)	Boerio-GoatesJuliana
Disciplina	541.3/69
Soggetti	Thermodynamics Thermodynamic equilibrium Electronic books.
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	Front Cover; Chemical Thermodynamics: Advanced Applications; Copyright Page; Contents; Preface to the Two-Volume Series; Preface to the Second Volume; Chapter 11. Summary of Thermodynamic Relationships; 11.1 Thermodynamic Relationships; 11.2 Phase Equilibria Relationships; 11.3 Fugacity; 11.4 Activity and Standard States; 11.5 Thermodynamics of Mixtures; 11.6 Chemical Equilibrium; 11.7 Electrochemical Cells; 11.8 Calculations from Statistical Thermodynamics; References; Chapter 12. Thermodynamics of Other Variables; 12.1 Effect of Gravitational Fields; 12.2 Effect of Centrifugal Fields 12.3 Thermodynamics of SurfacesReferences; Chapter 13. Applications of Thermodynamics to Phase Equilibria Studies of Pure Substances; 13.1 Classification of Phase Transitions in Pure Materials; 13.2 Modern Theories of Phase Transformations; References; Chapter 14. Applications of Thermodynamics to Phase Equilibria Studies of Mixtures; 14.1 Phase Changes for Mixtures; 14.2 (Vapor + Liquid) Equilibria; 14.3 (Liquid + Liquid) Equilibrium; 14.4 (Fluid + Fluid) Equilibrium; 14.5 (Solid + Liquid) Phase Equilibrium; References; Chapter 15. Applications of Thermodynamics to Chemical Processes

15.1 The Haber Cycle: Application to an Industrial Process; 15.2 The Synthesis of Diamond: Application to Phase Changes; 15.3 Applications of Thermodynamics to Geological Systems; 15.4 Thermodynamics of Complexation with Macrocyclic Ligands; References; Chapter 16. Applications of Thermodynamics to Biological Processes; 16.1 Metabolism and Work; 16.2 Biopolymer Stabilities; References; Chapter 17. Applications of Thermodynamics to Nonelectrolyte Solutions; 17.1 Excess Thermodynamic Properties; 17.2 The Excess Thermodynamic Properties and (Liquid + Liquid) Phase Equilibrium; 17.3 The Excess Thermodynamic Properties and (Fluid + Fluid) Phase Equilibrium; References; Chapter 18. Applications of Thermodynamics to Solutions Containing Electrolyte Solutes; 18.1 Electrolyte Solutions; 18.2 Ion Association; 18.3 Surfactant Solutions; References; APPENDIX 5. Thermodynamic Properties of Selected Chemical Substances; Table A5.1 Thermodynamic Functions; Table A5.2 Standard Heat Capacities, Entropies, Enthalpies, and Gibbs Free Energies of Formation of Selected Substances at $T = 298.15\text{ K}$; Table A5.3 Standard Heat Capacities, Entropies, Enthalpies, and Gibbs Free Energies of Formation of Some Common Ions at $T = 298.15\text{ K}$; Table A5.4 Enthalpies and Temperatures of Fusion and Vaporization; Table A5.5 Coefficients at $P = 0.1\text{ MPa}$ for the Heat Capacity Equation; Table A5.6 Standard Reduction Potentials at $T = 298.15\text{ K}$; APPENDIX 6. Calculations from Statistical Thermodynamics; A6.1 Atomic and Molecular Energy Levels; A6.2 The Partition Function; A6.3 Relationship Between the Partition Function and the Thermodynamic Functions for the Ideal Gas; A6.4 Partition Functions for the Ideal Gas; A6.5 Calculation of the Thermodynamic Properties from the Energy Levels

Sommario/riassunto

This book is an excellent companion to Chemical Thermodynamics: Principles and Applications. Together they make a complete reference set for the practicing scientist. This volume extends the range of topics and applications to ones that are not usually covered in a beginning thermodynamics text. In a sense, the book covers a "middle ground" between the basic principles developed in a beginning thermodynamics textbook, and the very specialized applications that are a part of an ongoing research project. As such, it could prove invaluable to the practicing scientist who needs to apply t

2. Record Nr.	UNINA9910462436403321
Titolo	Law and development and the global discourses of legal transfers // edited by John Gillespie and Pip Nicholson [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2012
ISBN	1-107-23099-3 1-139-41161-6 1-280-77376-6 9786613684530 1-139-42298-7 1-139-41996-X 1-139-09357-6 1-139-41792-4 1-139-42201-4 1-139-42405-X
Descrizione fisica	1 online resource (ix, 391 pages) : digital, PDF file(s)
Collana	Cambridge studies in law and society
Disciplina	340/.3091724
Soggetti	Law and economic development
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Interpreting legal transfers seriously : the challenge for law and development / John Gillespie and Pip Nicholson -- ; Pt I. Theorising legal transfers towards an interpretative analysis -- Relocating global legal scripts in local networks of meaning / John Gillespie -- International and domestic selective adaptation: the case of Charter 08 / Pitman B. Potter -- Rights and regulation as a framework for exploring reverse legal transfers : hegemony and counter-hegemony in the Bolivian water sector / Bronwen Morgan -- ; pt. II. Re-interpreting universalised standards of practice : TRIPS and human rights norms -- The transfer of pharmaceutical patent laws : the case of India's Paragraph 3(d) / Christopher Arup -- Between rhetoric and reality : the use of international human rights norms in law reform debates in China / Sarah Biddulph -- ; pt. III. Re-interpreting the rule of law as transfer

-- Between global norms and domestic realities : judicial reforms in China / Randall Peerenboom -- Official discourses and court-oriented legal reform in Vietnam / Pip Nicholson and Simon Pitt -- Constructing law from development : cause lawyers, generational narratives, and the rule of law in Thailand / Frank Munger -- ; pt. IV. Re-interpreting global family and religious norms -- Family law transfers from Europe to Africa : lessons for the methodology of comparative legal research / Mark Van Hoecke -- Resistible force meets malleable object : the story of the 'introduction' of norms of gender equality into Japanese employment practice / Frank Upham -- Discordant voices on the status of Islam under the Malaysian constitution / Elsa Satkunasingam -- 'Unpacking' a global norm in a local context : an historical overview of the epistemic communities that are shaping zakat practice in Malaysia / Kerstin Steiner.

Sommario/riassunto

This volume of essays contributes to the understanding of global law reform by questioning the assumption in law and development theory that laws fail to transfer because of shortcomings in project design and implementation. It brings together leading scholars who demonstrate that a synthesis of law and development, comparative law and regulatory perspectives (disciplines which to date have remained intellectually isolated from each other) can produce a more nuanced understanding about development failures. Arguing for a refocusing of the analysis onto the social demand for legal transfers, and drawing on empirically rich case studies, contributors explore what recipients in developing countries think about global legal reforms. This analytical focus generates insights into how key actors in developing countries understand global law reforms and how to better predict how legal reforms are likely to play out in recipient countries.
