1. Record Nr. UNINA9910458253303321

Autore	Ott J. Bevan <1934->
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 Process15.2 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 EquilibriumReferences; 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 K
Table A5.3 Standard Heat Capacities, Entropies, Enthalpies, and Gibbs Free Energies of Formation of Some Common Ions at T = 298.15 KTable A5.4 Enthalpies and Temperatures of Fusion and Vaporization; Table A5.5 Coefficients at P = 0.1 MPa for the Heat Capacity Equation; Table A5.6 Standard Reduction Potentials at T = 298.15 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.

3. Record Nr. UNISA996199995403316

Titolo	Breast Imaging [[electronic resource]] : 12th International Workshop, IWDM 2014, Gifu City, Japan, June 29 - July 2, 2014, Proceedings / / edited by Hiroshi Fujita, Takeshi Hara, Chisako Muramatsu
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-07887-9
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (XXXVIII, 753 p. 370 illus.)
Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 8539
Disciplina	618.19
Soggetti	Optical data processing Radiology Pattern recognition Computer simulation Image Processing and Computer Vision Imaging / Radiology Pattern Recognition Computer Imaging, Vision, Pattern Recognition and Graphics Simulation and Modeling
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Virtual Clinical Trials for the Assessment of Novel Breast Screening Modalities -- Computer-Aided Diagnosis for B-Mode, Elastography and Automated Breast Ultrasound -- Measurement and Clinical Use of Breast Density -- Low-Dose Molecular Breast Imaging - Diagnostic and Screening Applications in Women with Dense Breasts -- Will New Technologies Replace Mammography CAD as We Know It? -- Advanced Telecommunications in Breast Imaging – Streamlining Telemammography, Telepathology and Teleoncology Services to Improve Patient Care -- Predicting the Benefit of Using CADe in Screening Mammography -- Modeling Breast Cancer Screening Outcomes -- The Impact of Introducing Full Field Digital Mammography into a Screening Programme -- Fully Automated Nipple

Detection in 3D Breast Ultrasound Images -- Breast Imaging with 3D Ultrasound Computer Tomography: Results of a First In-vivo Study in Comparison to MRI Images -- Factors Affecting Agreement between Breast Density Assessment Using Volumetric Methods and Visual Analogue Scales -- Breast Tissue Segmentation and Mammographic Risk Scoring Using Deep Learning -- Optimization of X-Ray Spectra for Dual-Energy Contrast-Enhanced Breast Imaging: Dependency on CsI Detector Scintillator Thickness -- Dose-Saving Potential of Linear- and Non-Linear Energy Weighting in Photon-Counting Spectral Mammography -- Compositional Three-Component Breast Imaging of Fibroadenoma and Invasive Cancer Lesions: Pilot Study -- Potential Usefulness of Presentation of Histological Classifications with Computer-Aided Diagnosis (CAD) Scheme in Differential Diagnosis of Clustered Microcalcifications on Mammograms -- Potential Usefulness of Breast Radiographers' Reporting as a Second Opinion for Radiologists' Reading in Digital Mammography -- Effective Detective Quantum Efficiency (eDQE) Measured for a Digital Breast Tomosynthesis System -- Comparison of SNDR, NPWE Model and Human Observer Results for Spherical Densities and Microcalcifications in Real Patient Backgrounds for 2D Digital Mammography and Breast Tomosynthesis -- Assessing Radiologist Performance and Microcalcifications Visualization Using Combined 3D Rotating Mammogram (RM) and Digital Breast Tomosynthesis (DBT) -- Digital Breast Tomosynthesis: Image Quality and Dose Saving of the Synthesized Image -- Patient Specific Dose Calculation Using Volumetric Breast Density for Mammography and Tomosynthesis -- Comparative Performance Evaluation of Contrast-Detail in Full Field Digital Mammography (FFDM) Systems Using Ideal (Hotelling) Observer versus Automated CDMAM Analysis -- Mammographic Density Effect on Readers' Performance and Visual Search Pattern -- Towards a Quantitative Measure of Radiographic Masking by Dense Tissue in Mammography -- Three Dimensional Dose Distribution Comparison of Simple and Complex Acquisition Trajectories in Dedicated Breast CT – A Monte Carlo Study -- Quantitative MRI Phenotyping of Breast Cancer across Molecular Classification Subtypes -- A Novel Framework for Fat, Glandular Tissue, Pectoral Muscle and Nipple Segmentation in Full Field Digital Mammograms -- Texture-Based Breast Cancer Prediction in Full-Field Digital Mammograms Using the Dual-Tree Complex Wavelet Transform and Random Forest Classification -- Evaluation of a New Design of Contrast-Detail Phantom for Mammography: CDMAM Model 4.0 -- Threshold Target Thickness Calculated Using a Model Observer as a Quality Control Metric for Digital Mammography -- Contrast-Enhanced Digital Mammography Lesion Morphology and a Phantom for Performance Evaluation -- Stability of Volumetric Tissue Composition Measured in Serial Screening Mammograms -- Breast Density Classification Based on Volumetric Glandularity Measured by Spectral Mammography -- Is Volumetric Breast Density Related to Body Mass Index, Body Fat Mass, Waist-Hip Ratio, Age and Ethnicity for Malaysian Women? -- Automated Volumetric Breast Density Derived by Statistical Model Approach -- Volumetric Breast Density and Radiographic Parameters -- The Relationship of Volumetric Breast Density to Socio-Economic Status in a Screening Population -- Use of Volumetric Breast Density Measures for the Prediction of Weight and Body Mass Index -- Mammographic Density and Breast Cancer Characteristics -- Managing Tiled Images in Breast Density Measurements -- Reliability of Breast Density Estimation in Follow-Up Mammograms: Repeatability and Reproducibility of a Fully Automated Areal Percent Density Method -- Usefulness of a Combination DBT(Digital Breast Tomosynthesis) and

Automated Volume Analysis of Dynamic Contrast-Enhanced Breast (DCEB) MRI in Evaluation of Response to Neoadjuvant Chemotherapy (NAC) -- Clinical Efficacy of Novel Image Processing Techniques in the Framework of Filtered Back Projection (FBP) with Digital Breast Tomosynthesis (DBT) -- Assessment Schemes with Full Field Digital Mammography -- Predicting Triple-Negative Breast Cancer and Axillary Lymph Node Metastasis Using Diagnostic MRI -- Understanding the Role of Correct Lesion Assessment in Radiologists' Reporting of Breast Cancer -- Realistic Simulation of Breast Tissue Microstructure in Software Anthropomorphic Phantoms -- A Virtual Human Breast Phantom Using Surface Meshes and Geometric Internal Structures -- Characterisation of Screen Detected and Simulated Calcification Clusters in Digital Mammograms -- Development of a Micro-Simulation Model for Breast Cancer to Evaluate the Impacts of Personalized Early Detection Strategies -- Modelling Vascularity in Breast Cancer and Surrounding Stroma Using Diffusion MRI and Intravoxel Incoherent Motion -- Monte Carlo Modeling of the DQE of a-Se X-Ray Detectors for Breast Imaging -- kVp Tool for Digital Mammography Using Commercial Metallic Foils -- Possibility of Exposure Dose Reduction in Contrast Enhanced Spectral Mammography Using Dual Energy Subtraction Technique: A Phantom Study -- A Protocol for Quality Control Testing for Contrast-Enhanced Dual Energy Mammography Systems -- Trends in Mammogram Image Quality, Dose and Screen-Detected Cancer Rates in an Organized Screening Mammography Program -- Power Spectrum Analysis of an Anthropomorphic Breast Phantom Compared to Patient Data in 2D Digital Mammography and Breast Tomosynthesis -- Contrast-Enhanced Digital Mammography Image Quality Evaluation in the Clinic -- BREAST: A Novel Strategy to Improve the Detection of Breast Cancer -- A Regional Web-Based Automated Quality Control Platform -- A European Protocol for Technical Quality Control of Breast Tomosynthesis Systems -- Conventional Mammographic Image Generation Method with Increased Calcification Sensitivity Based on Dual-Energy -- Development of Mammography System Using CdTe Photon Counting Detector for Exposure Dose Reduction - Study of Effectiveness of the Spectrum by Simulation -- Development of Mammography System Using CdTe Photon-Counting Detector for Exposure Dose Reduction - Evaluation of Image Quality in the Prototype System -- Investigation of Dependence on the Object Orientation in Visibility-Contrast Imaging with the X-Ray Talbot-Lau Interferometer -- Development of New Imaging System Based on Grating Interferometry: Preclinical Study in Breast Imaging -- Basic Study on the Development of a High-Resolution Breast CT -- Analysis of Dependence of Detector Position on Detected Scatter Distribution in Dedicated Breast SPECT -- Evaluation of Physical and Psychological Burden of Subjects in Mammography -- Mammographic Image Database (MIDB) and Associated Web-Enabled Software for Research -- Optimizing High Resolution Reconstruction in Digital Breast Tomosynthesis Using Filtered Back Projection -- The Investigation of Different Factors to Optimize the Simulation of 3D Mass Models in Breast Tomosynthesis -- Clinical Evaluation of Dual Mode Tomosynthesis -- Image Quality of Thick Average Intensity Pixel Slabs Using Statistical Artifact Reduction in Breast Tomosynthesis -- Detection of Spiculated Lesions in Digital Mammograms Using a Novel Image Analysis Technique -- Spatial Correlation Analysis of Mammograms for Detection of Asymmetric Findings -- Temporal Breast Cancer Risk Assessment Based on Higher-Order Textons -- Invariant Features for Discriminating Cysts from Solid Lesions in Mammography -- Breast Masses Identification through Pixel-Based

Texture Classification -- Automated Labeling of Screening Mammograms with Arterial Calcifications -- False Positive Reduction in CADe Using Diffusing Scale Space -- Automated Detection of Architectural Distortion Using Improved Adaptive Gabor Filter -- Detecting Abnormal Mammographic Cases in Temporal Studies Using Image Registration Features -- Analysis of Mammographic Microcalcification Clusters Using Topological Features -- Differentiation of Malignant and Benign Masses on Mammograms Using Radial Local Ternary Pattern -- Statistical Temporal Changes for Breast Cancer Detection: A Preliminary Study -- Comparison of Calcification Cluster Detection by CAD and Human Observers at Different Image Quality Levels -- A Novel Image Enhancement Methodology for Full Field Digital Mammography -- Correlation between Topological Descriptors of the Breast Ductal Network from Clinical Galactograms and Texture Features of Corresponding Mammograms -- Breast Volume Measurement Using a Games Console Input Device -- Towards Spatial Correspondence between Specimen and In-vivo Breast Imaging -- SIFT Texture Description for Understanding Breast Ultrasound Images -- Comparison of Methods for Current-to-Prior Registration of Breast DCE-MRI -- A Study on Mammographic Image Modelling and Classification Using Multiple Databases -- Quasi-3D Display of Lesion Locations Simulated by Two Views of Digital Mammography -- A Shearlet-Based Filter for Low-Dose Mammography -- Evaluation of Human Contrast Sensitivity Functions Used in the Nonprewhitening Model Observer with Eye Filter -- It Is Hard to See a Needle in a Haystack: Modeling Contrast Masking Effect in a Numerica.

Sommario/riassunto

This book constitutes the refereed proceedings of the 12th International Workshop on Breast Imaging, IWDM 2014, held in Gifu City, Japan, in June/July 2014. The 24 revised full papers and 73 revised poster papers presented together with 6 invited talks were carefully reviewed and selected from 122 submissions. The papers are organized in topical sections on screening outcomes, ultrasound, breast density, imaging physics, CAD, tomosynthesis and ICT and image processing.