

1. Record Nr.	UNINA9910148953503321
Autore	Chichester Clark Emma
Titolo	Friends for Life (Melrose and Croc)
Pubbl/distr/stampa	HarperCollins UK
ISBN	0-00-752387-4
Disciplina	823.92
Lingua di pubblicazione	Inglese
Formato	Musica
Livello bibliografico	Monografia
Sommario/riassunto	<p>READ BY EMILIA FOX. Melrose and Croc return in style in this beautiful picture book and audio adventure, all about being the very best of friends. From the creator of the Blue Kangaroo series, these adorable characters will soon be your best friends too!READ BY EMILIA FOX. Melrose and Croc are the best of friends. They love all the things about each other that make them who they are. So when Melrose or Croc feels that nothing they do is good enough, they always know how to cheer each other up - it's easy: they remind one another of ALL the different things that make them special - unique and totally loveable!The universal theme of friendship and understanding is sure to touch every heart, as Melrose and Croc show how to love others and also yourself.</p>

2. Record Nr.	UNINA9910818483203321
Autore	Daian Jean-Francois
Titolo	Equilibrium and transfer in porous media 3 : applications, isothermal transport and coupled transfers / / Jean-Francois Daian
Pubbl/distr/stampa	London ; ; Hoboken, New Jersey : , : ISTE : , : Wiley, , 2014 ©2014
ISBN	1-118-93129-7 1-118-93128-9 1-118-93130-0
Descrizione fisica	1 online resource (332 p.)
Collana	Civil Engineering and Geomechanics Series
Disciplina	547.28
Soggetti	Polymerization Porous materials Solids - Surfaces Thermodynamics
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	Cover; Title Page; Contents; Nomenclature; Chapter 1. Isothermal Transport in Porous Media: Applications; 1.1. Capillary transport; 1.1.1. Isothermal transport without gravity; 1.1.2. Capillary gravitational infiltration; 1.2. Quasi-isothermal drying and sorption; 1.2.1. Drying (and sorption) under isobaric atmosphere; 1.2.2. Drying in pure vapor; 1.3. Experimental identification and estimation of transport coefficients; 1.3.1. Classification of experimental processes; 1.3.2. Hydraulic conductivity and permeability; 1.3.3. Hydric diffusivity 1.3.4. Transport of a volatile liquid: identification of the role of each of the phases1.3.5. Diffusion and hydrodynamic dispersion coefficients; 1.3.6. Pore structure and transport properties; 1.4. Appendices and exercises; 1.4.1. Diffusion and diffusion-convection equations; 1.4.2. Gravity infiltration; 1.4.3. Phase change and thermal transfer; 1.4.4. Drying: quantitative evaluations; 1.4.5. Drying under ambient atmosphere: exercises; 1.4.6. Measurement of permeability to gas; 1.4.7. Response to small stresses: using the linear diffusion equation 1.4.8. Transport coefficients: orders of magnitudeChapter 2. Coupled

Transfers in Porous Media: Applications; 2.1. Transport of a volatile interstitial liquid coupled with thermal transfer; 2.1.1. Macroscopization and transfer laws; 2.1.2. Balances and constitutive equations; 2.1.3. Applications; 2.1.4. Measuring transfer coefficients; 2.2. Coupled thermal transfer and transport during the freezing of interstitial fluid; 2.2.1. Constitutive equations; 2.2.2. Applications; 2.3. Transport of a volatile liquid coupled with the diffusion of a component in solution
2.3.1. Constitutive equations: coupling mechanisms
2.3.2. A few elementary processes; 2.4. Appendices and exercises; 2.4.1. Laws of gaseous diffusion and apparent conductivity; 2.4.2. Apparent thermal conductivity: the lighting of the EMT and its limits; 2.4.3. More about the constitutive equations; 2.4.4. Linearized equations and applications; 2.4.5. Measuring conductivity: steady-state methods; 2.4.6. Measuring conductivity: transient methods; 2.4.7. Linear equations: other applications; 2.4.8. Capillary heat pipe; 2.4.9. Freezing in porous media; Glossary; Bibliography; Index
Summary of other Volumes in the Series

Sommario/riassunto

A porous medium is composed of a solid matrix and its geometrical complement: the pore space. This pore space can be occupied by one or more fluids. The understanding of transport phenomena in porous media is a challenging intellectual task. This book provides a detailed analysis of the aspects required for the understanding of many experimental techniques in the field of porous media transport phenomena. It is aimed at students or engineers who may not be looking specifically to become theoreticians in porous media, but wish to integrate knowledge of porous media with their

3. Record Nr.

UNINA9910380724803321

Titolo

Advances in Quantum Systems in Chemistry, Physics, and Biology : Selected Proceedings of QSCP-XXIII (Kruger Park, South Africa, September 2018) // edited by Liliana Mammino, Davide Ceresoli, Jean Maruani, Erkki Brändas

Pubbl/distr/stampa

Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020

ISBN

3-030-34941-1

Edizione

[1st ed. 2020.]

Descrizione fisica

1 online resource (XVI, 469 p.)

Collana

Progress in Theoretical Chemistry and Physics, , 2215-0129 ; ; 32

Disciplina

541.28

Soggetti

Chemistry, Physical and theoretical
Atomic structure
Molecular structure
Bioinformatics
Quantum theory
Theoretical Chemistry
Atomic and Molecular Structure and Properties
Computational and Systems Biology
Quantum Physics

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Monografia

Note generali

Includes index.

Nota di contenuto

Part 1: Exotic Atomic Systems -- Chapter 1. Advanced Relativistic Energy Approach in the Spectroscopy of Auto-ionization States of Multi-electron Atomic Systems (Alexander V. Glushkov) -- Chapter 2. Relativistic Quantum Chemistry and Spectroscopy of Kaonic Atomic Systems with Accounting for Radiative and Strong Interaction Effects(O. Yu. Khetselius, V. B. Ternovsky, Y.V. Dubrovskaya, I.N. Serga, and A. A. Svinarenko) -- Chapter 3. Spectroscopy of Rydberg Atomic Systems in a Black-Body Radiation Field (Valentin B. Ternovsky, Alexander V. Glushkov, Anna A. Kuznetsova, and Andrey V. Tsudik) -- Chapter 4. Hyperfine and Electroweak Interactions in Heavy Finite Fermi Systems and Parity Non-conservation Effect(Olga Yu. Khetselius, Alexander V. Glushkov, Eugeny Ternovsky, Vasily V. Buyadzhi, and Aleksii L.

Mykhailov) -- Part 2: Clusters and Molecules Interactions -- Chapter 5. Quantum Study of Helium Clusters Doped with Electronically Excited Li, Na, K and Rb Atoms (David Dell'Angelo). – Chapter 6. A Quantum Chemical Approach for the Characterization of the Interaction Potential of Propylene Oxide with Rare-Gas Atoms (He, Ne, Ar)(Patricia R. P. Barreto, Ana Claudia P. S. Cruz, Henrique O. Euclides, Alessandra F. Albernaz, Federico Palazzetti, and Fernando Pirani) -- Chapter 7. A Theoretical Study on the Reaction between Chloroacetic Acid and Thiourea(Mwadham M. Kabanda and Kgalalets P. Otukile) -- Chapter 8. Density Functional Theory Studies of Ruthenium (N3) Dye Adsorbed on a TiO₂ Brookite Nanocluster for Application to Dye Sensitized Solar Cells (I. F. Elegbeleye, N. E. Maluta, and R. R. Maphanga) -- Part 3: Biochemistry and Biophysics -- Chapter 9. Complexes of Furonewguinone-B with a Cu²⁺ Ion. A DFT Study (Liliana Mammino) -- Chapter 10. Computational Study of Shuangancistrotectorine-A: A Naphthyliso-quinoline Alkaloid with Antimalarial Activity(Mireille Bilonda and Liliana Mammino) -- Chapter 11. Ab initio and DFT Computational Study of Myristinin-A and a Structurally Related Molecule(Neani Tshilande and Liliana Mammino) -- Chapter 12. Current Problems in Computer Simulation of Variability of the Three-Dimensional Structure of DNA(V. Poltev, V.M. Anisimov1, V. Dominguez, A. Deriabina, E. Gonzalez, D. Garcia, V. Vázquez-Báez, F. Rivas) -- Part 4: Fundamental Theory -- Chapter 13. Efficient 'Middle' Thermostat Scheme for the Quantum / Classical Canonical Ensemble via Molecular Dynamics (Xinzijian Liu, Kangyu Yan, and Jian Liu) -- Chapter 14. Megascopic Quantum Phenomena: A Critical Study of Physical Interpretations (Michal Crvek) -- Chapter 15. Is Abiogenesis Supported by the Second Law of Thermodynamics? (Erkki J. Brändas) -- Chapter 16. Can Quantum Theory Concepts ShedLight on Biological Evolution Processes? (Jean Maruani).

Sommario/riassunto

This edited, multi-author book gathers selected, peer-reviewed contributions based on papers presented at the 23rd International Workshop on Quantum Systems in Chemistry, Physics, and Biology (QSCP-XXIII), held in Mopani Camp, The Kruger National Park, South Africa, in September 2018. The content is primarily intended for scholars, researchers, and graduate students working at universities and scientific institutes who are interested in the structure, properties, dynamics, and spectroscopy of atoms, molecules, biological systems, and condensed matter.
