

1. Record Nr.	UNINA9910451692303321
Autore	Girifalco L. A (Louis A.)
Titolo	Statistical mechanics of solids [[electronic resource] /] / Louis A. Girifalco
Pubbl/distr/stampa	Oxford ; New York, : Oxford University Press, 2000
ISBN	1-280-52982-2 9786610529827 0-19-802811-3 1-4294-0376-4
Descrizione fisica	1 online resource (536 p.)
Collana	Monographs on the physics and chemistry of materials ; 58
Disciplina	530.4/1
Soggetti	Solids - Mathematical models Statistical mechanics 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 (p. 505-508) and index.
Nota di contenuto	Contents; 1 The Basics of Thermodynamics; 2 Principles of Statistical Mechanics; 3 Particle Statistics; 4 The Harmonic Crystal; 5 Anharmonic Properties and the Equation of State; 6 Free Electron Theory in Metals and Semiconductors; 7 Statistical-Kinetic Theory of Electron Transport; 8 Order-Disorder Alloys; 9 Magnetic Order; 10 Phase Equilibria; 11 Critical Exponents and the Renormalization Group; 12 Surfaces and Interfaces; 13 The Theory of Random Flight; 14 Linear Polymer Chains; 15 Vacancies and Interstitials in Monatomic Crystals; 16 Point Defects in Dilute Alloys 17 Diffusion in Simple Crystals Appendix 1 Combinatorial Problems in Statistical Mechanics; Appendix 2 The Method of Undetermined Multipliers; Appendix 3 Stirling's Approximation; Appendix 4 Sums and Integrals; Appendix 5 Fermi Integrals; Appendix 6 Kirkwood's Second Moment; Appendix 7 The Generalized Lattice Gas; Appendix 8 Dyadics and Crystal Symmetry; Additional Readings; Index
Sommario/riassunto	Suitable for use as an advanced text, this monograph presents the statistical mechanics of solids from the perspective of the material properties of the solid state.

2. Record Nr.	UNINA9910457729003321
Titolo	Civil-military relations in today's China [[electronic resource]] : swimming in a new sea / / David M. Finkelstein and Kristen Gunness, editors
Pubbl/distr/stampa	Armonk, N.Y., : M.E. Sharpe, Inc., c2007
ISBN	1-317-47435-X 1-315-70560-5 1-280-91272-3 9786610912728 0-7656-2221-1
Descrizione fisica	1 online resource (344 p.)
Altri autori (Persone)	FinkelsteinDavid Michael GunnessKristen <1976->
Disciplina	322/.50951
Soggetti	Civil-military relations - China Social change - China Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"An East Gate book."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Social trends in China : implications for the Pople's Liberation Army / Tony Saich -- The impact of social changes on the PLA : a Chinese military perspective / Xiaobing Li -- The new military elite : generational profile and contradictory trends / Cheng Li -- The fourth-generation leaders and the new military elite / Yu bin -- The PLA and the provinces : military district and local issues / Zhiyue Bo -- The political implications of PLA professionalism / Lyman Miller -- Unravelling the myths about political commissars / You Ji -- Searching for a twenty-first-century officer corps / Thomas J. Bickford -- Educating the officer corps : the Chinese People's Liberation Army and its interactions with civilian academic institutions / Kristen Gunness -- China's defense budget : is there impending friction between defense and civilian needs? / Joseph Fewsmith -- The PLA in the new economy : plus Ca change, plus C'est la meme chose / James Mulvenon -- The challenge of conscription in an era of social change / Sijin Cheng --

Demobilization and resettlement: the challenge of downsizing the People's Liberation Army / Maryanne Kivlehan-Wise -- People's war in the twenty-first century : the militia and the reserves / Dennis J. Blasko.

Sommario/riassunto

Providing an examination of civil-military relations in China, this book reflects the changes taking place in Chinese society and their impact on the civil-military dynamic. It explores issues, such as the impact of AIDS, the defense budget, the emerging dynamic between the military and China's leadership, the role of the militia, and more.

3. Record Nr.

Autore

Titolo

UNISA996392459603316

Marck Nicolaus van der <fl. 1682.>

Disputatio medica inauguralis de febribus intermittentibus [[electronic resource]] : quam praeside Deo opt. max. ex autoritate magnifici rectoris, D. Theodori Ryckii ... Nec non amplissimi senatus academicus consensu, & almae facultatis medicae decreto, pro gradu doctoratus, summisque in medicina honoribus & privilegiis rite ac legitime consequendis, publico examini subjicit Nicolaus vander Marck, Lugd.-Bat. Ad diem [5] Iunii, loco horisque solitis

Pubbl/distr/stampa

Lugduni Batavorum, : Apud Abrahamum Elzevier, academiae typograph., M DC LXXXII. [1682]

Descrizione fisica

[36] p

Altri autori (Persone)

RyckeTheodor <1640-1690.>

Soggetti

Fever

Lingua di pubblicazione

Latino

Formato

Materiale a stampa

Livello bibliografico

Monografia

Note generali

Reproduction of original in the British Library.

Sommario/riassunto

eebo-0018

4. Record Nr.	UNINA9910829913203321
Titolo	Recent advances in polyphenol research [[electronic resource] /] / edited by Fouad Daayf, Vincenzo Lattanzio
Pubbl/distr/stampa	Oxford ; ; Ames, Iowa, : Wiley-Blackwell, [2008]-
ISBN	1-282-68967-3 9786612689673 1-4443-0240-X 1-4443-0241-8
Descrizione fisica	1 online resource (422 p.)
Altri autori (Persone)	DaayfFouad LattanzioVincenzo <1949->
Disciplina	572.2 572/.2
Soggetti	Polyphenols - Research
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	Contributors; Preface; Chapter 1 Plant Phenolics - Secondary Metabolites with Diverse Functions; 1.1 Secondary metabolism in the interactions between plants and their environment; 1.2 Function and use of plant phenolics; 1.2.1 UV sunscreens; 1.2.2 Phenolics as signal compounds; 1.2.3 Phenolics as pigments; 1.2.4 Phenolics and plant growth; 1.2.5 Phenolics and plant defense; 1.2.5.1 Fungal pathogens; 1.2.5.2 Phenolics and plant-insect interactions; 1.2.6 Plant phenolics and health; 1.3 Note; 1.4 References Chapter 2 Lignification: are Lignins Biosynthesized via simple Combinatorial Chemistry or via Proteinaceous Control and Template Replication? 2.1 Introduction; 2.2 The current theory; 2.3 Is there a need for a new theory?; 2.3.1 The challenge hypothesis (proteinaceous control and template replication); 2.3.2 Has the challenge hypothesis become a theory?; 2.4 Are criticisms of the current theory valid?; 2.4.1 Lignification as a biochemical anomaly; 2.4.2 The -ether frequency anomaly; 2.4.3 'Obligatory' linkages?; 2.5 Is there anything wrong with the dirigent hypothesis? 2.5.1 Monomer substitution 2.5.1.1 Has monomer substitution been

disproven?; 2.5.1.2 Malleability of lignification: what makes a good monolignol substitute?; 2.5.2 'Well-defined primary structure'; 2.5.2.1 Sequencing of lignin oligomers; 2.5.2.2 Monomer-independent sequences; 2.5.2.3 The 'urgent need to sequence lignin primary structure'; 2.5.3 Lignins' racemic nature; 2.5.3.1 The 'number of isomers' problem; 2.5.4 Comments on template replication; 2.5.5 Polymer branching; 2.6 Why the new hypothesis is not in contention; 2.7 Is lignification a biochemical anomaly?
2.7.1 Ferulate dehydrodimerization is combinatorial
2.7.2 Polysaccharide primary structure is NOT absolutely dictated; 2.8 Summary comments on the dirigent/replication hypothesis; 2.9 Conclusions; 2.10 Notes; 2.11 References; Chapter 3 Flavonoid-Protein Binding Processes and their Potential Impact on Human Health; 3.1 Introduction; 3.2 Biologically relevant chemical properties of flavonoids; 3.3 Binding processes prior to absorption; 3.4 Binding processes involved in flavonoid bioavailability; 3.4.1 Absorption and conjugation; 3.4.2 Transport in plasma
3.4.3 Tissue distribution and cellular metabolism
3.5 Binding processes involved in the potential health effects of flavonoids; 3.5.1 Inhibition of enzymes involved in ROS production; 3.5.2 Modulation of the redox properties of flavonoids by binding to proteins; 3.5.3 Inhibition of protein kinases; 3.5.4 Inhibition of cytochrome P450 enzymes; 3.5.5 Regulation of gene expression; 3.6 Conclusion; 3.7 References; Chapter 4 Methods for Synthesizing the Cocoa-Derived Oligomeric Epicatechins - Observations on the Anticancer Activity of the Cocoa Polyphenols; 4.1 Introduction
4.2 Synthesis of procyanidins

Sommario/riassunto

Polyphenols are the second most abundant class of substances in nature, and include tannins and flavonoids, many of which have extremely important antioxidant properties which have now been shown to have a key role in the prevention of cancer in humans. This important book covers polyphenol chemistry, biosynthesis and genetic manipulation, ecology and plant physiology, food and nutritional aspects and the effects of polyphenols on health. Included within the contents are cutting edge chapters on biotic and abiotic stress in plants, safety and toxicity in foods, functionality and nutraceuticals
