

1. Record Nr.	UNINA9910454263603321
Autore	Allen James P
Titolo	Biophysical chemistry [[electronic resource] /] / James P. Allen
Pubbl/distr/stampa	Oxford ; ; Hoboken, NJ, : Wiley-Blackwell Pub., 2008
ISBN	1-282-03429-4 9786612034299 1-4443-0073-3
Descrizione fisica	1 online resource (510 p.)
Disciplina	572/.43
Soggetti	Physical biochemistry 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	Basic thermodynamic and biochemical concepts -- Pt. 1. Thermodynamics and kinetics. First law of thermodynamics ; Second law of thermodynamics ; Phase diagrams, mixtures, and chemical potential ; Equilibria and reactions involving protons ; Oxidation/reduction reactions and bioenergetics ; Kinetics and enzymes ; The Boltzmann distribution and statistical thermodynamics -- Pt. 2. Quantum mechanics and spectroscopy. Quantum theory: introduction and principles ; Particle in a box and tunneling ; Vibrational motion and infrared spectroscopy ; Atomic structure: hydrogen atom and multi-electron atoms ; Chemical bonds and protein interactions ; Electronic transitions and optical spectroscopy ; X-ray diffraction and extended x-ray absorption fine structure ; Magnetic resonance -- Pt. 3. Understanding biological systems using physical chemistry. Signal transduction ; Membrane potentials, transporters, and channels ; Molecular imaging ; Photosynthesis -- Answers to problems -- Fundamental constants -- Conversion factors for energy units -- The periodic table.
Sommario/riassunto	""Biophysical Chemistry is an outstanding book that delivers both fundamental and complex biophysical principles, along with an excellent overview of the current biophysical research areas, in a manner that makes it accessible for mathematically and non-

mathematically inclined readers." (Journal of Chemical Biology, February 2009) This text presents physical chemistry through the use of biological and biochemical topics, examples and applications to biochemistry. It lays out the necessary calculus in a step by step fashion for students who are less mathematically inclined,

2. Record Nr.	UNINA9910557391603321
Autore	Ainsworth Jack R
Titolo	Among Heroes : A Marine Corps Rifle Company on Peleliu
Pubbl/distr/stampa	Quantico, VA, : Marine Corps University Press (MCUP), 2011
Descrizione fisica	1 electronic resource (104 p.)
Soggetti	Military history
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Few Americans know of the battle of Peleliu. It never received the iconic recognition of the other amphibious assaults in the Pacific during World War II such as Iwo Jima or Okinawa. At the time of the invasion in 1944, only a handful of journalists even covered the operation because it was expected to be a short action with a quick American victory. It became the bloodiest battle in Marine Corps history given the number of casualties compared to the number of troops involved. It lasted far longer than senior planners had estimated and the tenacious defense by the Japanese took a tremendous toll on the Marines' headlong assaults on their well-fortified positions.
