

Index

A

Arrhenius equation
2.3: Transition State Theory

B

bimolecular reaction
2.2: Reaction Mechanisms

C

CBCA(CO)NH
6.2: Heteronuclear 3D NMR- Resonance Assignment in Proteins

chemical shift
5.3: Chemical shift in units of Hz and ppm

Consecutive Reactions (Kinetics)
2.2: Reaction Mechanisms

F

fluorescence
4.4: Fluorescence and Phosphorescence

Free Induction Decay
5.3: Chemical shift in units of Hz and ppm

H

HNCACB
6.2: Heteronuclear 3D NMR- Resonance Assignment in Proteins

HSQC
6.1: 2D NMR Spectroscopy - Enhanced Spectral Resolution and Protein Backbone Conformation Reporters

HSQC NMR
6.1: 2D NMR Spectroscopy - Enhanced Spectral Resolution and Protein Backbone Conformation Reporters

I

IDP
6.1: 2D NMR Spectroscopy - Enhanced Spectral Resolution and Protein Backbone Conformation Reporters

IDR
6.1: 2D NMR Spectroscopy - Enhanced Spectral Resolution and Protein Backbone Conformation Reporters

infrared spectroscopy
4.2: "Two Masses on a Spring" Model and Infrared (IR) Spectroscopy

intermolecular forces
3.2: Intermolecular Forces

intrinsically disordered protein
6.1: 2D NMR Spectroscopy - Enhanced Spectral Resolution and Protein Backbone Conformation Reporters

intrinsically disordered region
6.1: 2D NMR Spectroscopy - Enhanced Spectral Resolution and Protein Backbone Conformation Reporters

intrinsically disordered regions
6.3: Analyzing Protein Dynamics, Conformational States and Function with NMR

J

Jablonski diagram
4.4: Fluorescence and Phosphorescence

M

molecularity
2.2: Reaction Mechanisms

N

nuclear magnetic resonance
5.1: Nuclear Spin and Magnetic Field

nuclear spin
5.1: Nuclear Spin and Magnetic Field

P

phase space
3.3: Newtonian Mechanics

phosphorescence
4.4: Fluorescence and Phosphorescence

potential energy surface
2.3: Transition State Theory

R

rate laws
2.1: Kinetic Rate Laws

reaction rate
2.1: Kinetic Rate Laws

T

termolecular reaction
2.2: Reaction Mechanisms

transition state theory
2.3: Transition State Theory

transmission coefficient
2.3: Transition State Theory

U

unimolecular
2.2: Reaction Mechanisms

V

vacuum permittivity
3.2: Intermolecular Forces

Z

Zeeman splitting
5.1: Nuclear Spin and Magnetic Field