1. Record Nr. UNINA9910459678403321

Autore	Indira L
Titolo	College biochemistry . I [[electronic resource] /] / L. Indira, K. Nagaraju, Zameer Ahmed K
Pubbl/distr/stampa	Mumbai, : Himalaya Pub. House, 2010
ISBN	1-282-81311-0 9786612813115 1-4416-7569-8 93-5043-190-4
Descrizione fisica	1 online resource (229 p.)
Collana	College biochemistry ; ; I
Altri autori (Persone)	NagarajuK KZameer Ahmed
Disciplina	547.0078
Soggetti	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 contenuto	COVER; Contents; Measurement; Atomic Structure; Periodic Classification; Chemical Bonding; Radioactivity; Solutions and Colligative Properties; Electrolytic Dissociation and Mass Law; pH and Buffer Concepts; Adsorption; Biopolymers; Viscosity; Surface Tension
Sommario/riassunto	This book focuses on the concept of college biochemistry

2.

Record Nr.	UNINA9910953619503321
Autore	Zhao Xiao-Ling
Titolo	FRP-strengthened metallic structures / / Xiao-Ling Zhao
Pubbl/distr/stampa	Boca Raton, : CRC Press, 2014
ISBN	9781134033287 1134033281 9781138074330 1138074330 9780429207433 0429207433 9780415468213 0415468213
Edizione	[1st ed.]
Descrizione fisica	1 online resource (280 p.)
Collana	Spon research FRP-strengthened metallic structures
Classificazione	TEC009020TEC021000TEC063000
Disciplina	624.1/8923
Soggetti	Building, Iron and steel - Materials Buildings - Maintenance - Materials Fiber-reinforced plastics Adhesives
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.
Nota di contenuto	Front Cover; Contents; Preface; Acknowledgments; Notation; Author; Chapter 1 - Introduction; Chapter 2 - FRP composites and metals; Chapter 3 - Behaviour of the bond between FRP and metal; Chapter 4 - Flexural strengthening of steel and steel-concrete composite beams with FRP laminates; Chapter 5 - Strengthening of compression members; Chapter 6 - Strengthening of web crippling of beams subject to end bearing forces; Chapter 7 - Enhancement of fatigue performance; Back Cover
Sommario/riassunto	"Preface A significant amount of metallic structures are aging. The conventional method of repairing or strengthening aging metallic structures often involves bulky and heavy plates that are difficult to fix and prone to corrosion, as well as to their own fatigue. Fibre-reinforced polymer (FRP) has great potential in strengthening metallic structures,

such as bridges, buildings, offshore platforms, pipelines, and crane structures. The existing knowledge of the carbon fibre-reinforced polymer (CFRP)- concrete composite system may not be applicable to the CFRP-steel system because of the distinct difference between the debonding mechanism of the former and latter, alongside the unique failure modes for steel members and connections. Several design and practice guides on FRP strengthening of metallic structures were published in the UK, United States, Italy, and Japan. However, the following topics are not covered in detail: bond behaviour between FRP and steel, strengthening of compression members, strengthening of steel tubular members, strengthening against web crippling of steel sections, and strengthening for enhanced fatigue and seismic performance. The present book not only contains descriptions and explanations of basic concepts and summarises the research performed to date on the FRP strengthening of metallic structures, but also provides some design recommendations. Comprehensive, topical references appear throughout the book. It is suitable for structural engineers, researchers, and university students who are interested in the FRP strengthening technique"--