

1. Record Nr.	UNISALENTO991003555859707536
Autore	Alfinito, Eleonora
Titolo	Proteotronics : development of protein-based electronics / Eleonora Alfinito, Jeremy Pousset, Lino Reggiani
Pubbl/distr/stampa	Boca Raton : CRC Press, 2016
ISBN	9789814613637
Descrizione fisica	viii, 270 p. : ill. (some col.) ; 24 cm
Altri autori (Persone)	Pousset, Jeremyauthor Reggiani, L. (Lino), 1941-
Disciplina	621.381
Soggetti	Molecular electronics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index
Nota di contenuto	1. Introduction -- 2. Sensing proteins -- 3. Electrical properties : experiments -- 4. Electrical properties : theory -- 5. Bacteriorhodopsin as testing prototype -- 6. Survey of other proteins -- 7. Conclusion and perspectives.

2. Record Nr.	UNINA9910791835003321
Titolo	Flavonoids [[electronic resource]] : biosynthesis, biological effects and dietary sources // Raymond B. Keller, editor
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2009
ISBN	1-61761-914-0
Descrizione fisica	1 online resource (363 p.)
Collana	Nutrition and diet research progress series
Altri autori (Persone)	KellerRaymond B
Disciplina	612/.0154
Soggetti	Flavonoids Plant pigments
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	<p>""FLAVONOIDS: BIOSYNTHESIS, BIOLOGICAL EFFECTS AND DIETARY SOURCES ""; ""FLAVONOIDS: BIOSYNTHESIS, BIOLOGICAL EFFECTS AND DIETARY SOURCES""; ""CONTENTS""; ""PREFACE ""; ""BIOAVAILABILITY AND METABOLISM OF DIETARY FLAVONOIDS a€? MUCH KNOWN a€? MUCH MORE TO DISCOVER ""; ""ABSTRACT""; ""INTRODUCTION ""; ""FLAVONOID ABSORPTION AND METABOLISM IN THE GASTROINTESTINAL TRACT ""; ""The Oral Cavity ""; ""The Stomach ""; ""The Small Intestine ""; ""The Colon and Microflora""; ""DISTRIBUTION OF FLAVONOID METABOLITES ROUND THE BODY ""; ""FLAVONOID BIOAVAILABILITY TO THE CENTRAL NERVOUS SYSTEM "" ""BIOLOGICAL ACTIVITY OF FLAVONOID METABOLITES "" ""Quercetin/Flavonols ""; ""Isoflavones ""; ""Catechins ""; ""Other Flavonoids""; ""CONCLUSION ""; ""REFERENCES ""; ""CYTOPROTECTIVE ACTIVITY OF FLAVONOIDS IN RELATION TO THEIR CHEMICAL STRUCTURES AND PHYSICOCHEMICAL PROPERTIES ""; ""ABSTRACT ""; ""INTRODUCTION""; ""CHEMICAL STRUCTURE OF FLAVONOIDS ""; ""PHYSICOCHEMICAL PROPERTIES OF FLAVONOIDS ""; ""The UV Absorption of Flavonoids ""; ""Physical Properties of Flavonoids ""; ""Bond Dissociation Energy (BDE)""; ""Lipophilicity (Log P) ""; ""HEALTH EFFECTS OF FLAVONOIDS "" ""CYTOPROTECTION ASSAY "" ""MATERIALS AND METHODS ""; ""Materials ""; ""Assessment of Cell Viability ""; ""Culture and Treatment of HT-29 Cells ""; ""Annexin V Staining and Flow Cytometric Analysis "";</p>

""Calculation of Results""; ""Cell Death Index (CDI)""; ""Quantum
Chemical Calculations ""; ""Calculation of Heat of Formation "";
""Calculation of Log P ""; ""RESULTS AND DISCUSSION""; ""Cytotoxic
Effects of H2O2 ""; ""Cytotoxicity of Flavonoids ""; ""The Influence of
Trolox on Cytotoxic Effects of H2O2 ""; ""Structural Related
Cytoprotective Activity of Flavonoids ""
""Effects of Hydroxyl Groups in the B Ring """"Effect of the 3-OH Group,
2,3-Double Bond and 4-Keto Group ""; ""Effect of the Carbohydrate
Moieties""; ""Cytoprotective Activities and Physicochemical Properties of
Flavonoids ""; ""Correlation between O-H Bond Dissociation Enthalpy
(BDE) and Cytoprotective Activity (EC50) of Flavonoids ""; ""Correlation
between Partition Coefficient (Log P) and Cytoprotective Activity (EC50)
of Flavonoids ""; ""Quantitative Structure-Activity Relationship (QSAR)
Model ""; ""CONCLUSION""; ""ACKNOWLEDGMENTS ""; ""REFERENCES ""
"" OLIGOMERIC NATURE, COLLOIDAL STATE, RHEOLOGY, ANTIOXIDANT
CAPACITY AND ANTIVIRAL ACTIVITY OF POLYFLAVONOIDS""""
ABSTRACT""; ""INTRODUCTION""; ""THE OLIGOMERIC NATURE OF
POLYFLAVONOIDS ""; "" Profisetinidin and Prorobinetinidin Type
Polyflavonoids ""; ""Procyanidin and Prodelphinidin Type Polyflavonoids
""; ""Colloidal State of Polyflavonoid Extracts""; ""RHEOLOGY OF
INDUSTRIAL POLYFLAVONOIDS ""; ""ANTI-OXYDANT CAPABILITY OF
POLYFLAVONOIDS ""; ""ANTIVIRAL ACTIVITY OF POLYFLAVONOIDS "";
""REFERENCES""; ""GRAPEFRUIT FLAVONOIDS: NARINGIN AND
NARINGININ ""; ""ABSTRACT ""; ""INTRODUCTION ""
""REFERENCES ""
