

1. Record Nr.	UNINA9910298291103321
Titolo	Studies on the Cornea and Lens // edited by Mark A. Babizhayev, David Wan-Cheng Li, Anne Kasus-Jacobi, Lepša Žori, Jorge L. Alió
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Humana, , 2015
ISBN	1-4939-1935-0
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (450 p.)
Collana	Oxidative Stress in Applied Basic Research and Clinical Practice, , 2197-7224
Disciplina	617.7 617.719
Soggetti	Oxidative stress Ophthalmology Apoptosis Oxidative Stress
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	1 Oxidative Stress in Cornea -- 2 Corneal Degenerations -- 3 Corneal Epithelial Nuclear Ferritin and its Transporter Ferritoid Afford Unique Protection to DNA from U.V. Light and Reactive Oxygen Species -- 4 Excitatory Amino Acid Transporters, Xc- Antiporter, Glutamyl Transpeptidase, Glutamine Synthetase Activity and Glutathione in Human Corneal Epithelial Cells -- 5 Transforming Growth Factor – 3 Regulates Cell Metabolism in Corneal Keratocytes and Fibroblasts -- 6 Corneal Stem Cells: a Source of Cell Renewal with Therapeutic Potential -- 7 New Agents for Treating Dry Eye Syndrome -- 8 Investigating Carcinine Transport and the Expression Profile of Transporter Genes in Human Corneal Epithelial Cells -- 9 Basic Review of the Oxidative Stress Role in Age-Related Cataractogenesis -- 10 The Human Lens: A living Biometric Indicator of Health Status and Successful Aging -- 11 Oxidative Stress in Lens -- 12 Protein Serine/Threonine Phosphatases-1 and –2A in Lens Development and Pathogenesis -- 13 Proteases in Lens and Cataract -- 14 Photosensitized Oxidation of Lens Proteins Exposed to UVA-Visible Light at Low Oxygen Concentration: Its Effect on the Proteasome System -- 15 p53 Regulates Developmental Apoptosis and Gene Expression to Modulate Lens Differentiation -- 16

Etiology and Prevention of Cataract -- 17 The Effects of Lutein in Preventing Cataract Progression -- 18 Antioxidant Defense Network in the Lens and Benefits of Glutathione Prodrugs in Cataracts -- 19 Updates and Advances in Corneal Surgery -- 20 Cataract and Diabetic Retinopathy -- 21 Traumatic Cataract-a Review -- 22 Cataract in Paediatric Age Group-a Review.

Sommario/riassunto

This comprehensive volume presents data describing the role of oxidative stress in anterior eye disease. The content is divided into three logical parts: basic science of the cornea, basic science of the lens, and clinical practices. The first two parts include eighteen chapters that discuss topics ranging from oxidative stress and dry eye disease, endogenous protection of corneal cells against oxidative damage, the therapeutic potential of corneal stem cells, etiology of cataracts and preventive measures, corneal degeneration through oxidative stress and cataract formation, and function and dysregulation of ion channels and transporters in the ocular lens, among others. The concluding part is comprised of four chapters devoted to advancements in corneal surgery, cataract and diabetic retinopathy, the clinical treatment of cataracts including traumatic cataracts, and cataracts in the pediatric age group. Studies on the Cornea and Lens is an essential addition to the library or department of physicians and scientists who treat or research these ocular conditions, particularly cataracts. It is also a key resource for cell biologists studying oxidative stress. This book is an authoritative contribution to Springer's Oxidative Stress in Applied Basic Research and Clinical Practice series.

2. Record Nr.	UNINA9910346769303321
Autore	Järvinen Emma
Titolo	Investigations of Angular Light Scattering by Complex Atmospheric Particles
Pubbl/distr/stampa	KIT Scientific Publishing, 2016
ISBN	1000056601
Descrizione fisica	1 online resource (XVI, 230 p. p.)
Soggetti	Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book experimentally investigates the angular light scattering properties of three atmospherically relevant particles: ice crystals, dust particles and secondary organic aerosol particles. Key optical quantities under examination are the near-backscattering depolarisation properties and the angular light scattering function. The main question is how these parameters are related to the particle microphysical properties, such as particle size and complexity.

3. Record Nr.	UNINA9910893501103321
Titolo	Umweltmedizinischer Informationsdienst : UMID ; Informationen zu Umwelt, Gesundheit, Verbraucherschutz / Hrsg.: Bundesamt für Strahlenschutz (BfS), Bundesinstitut für Risikobewertung (BfR), Robert Koch-Institut (RKI), Umweltbundesamt (UBA)
Pubbl/distr/stampa	Dessau ; Berlin, : Umweltbundesamt, 2000-2009
ISSN	2190-1147
Descrizione fisica	Online-Ressource
Disciplina	610 690 333.7
Soggetti	Zeitschrift
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Gesehen am 17.03.2017