

1. Record Nr.	UNINA9910346717103321
Autore	Bauer Jan
Titolo	Effiziente und optimierte Darstellungen von Informationen auf Grafikanzeigen im Fahrzeug: Situationsadaptive Bildaufbereitungsalgorithmen und intelligente Backlightkonzepte
Pubbl/distr/stampa	KIT Scientific Publishing, 2013
ISBN	1000031973
Descrizione fisica	1 online resource (VIII, 137 p. p.)
Collana	Spektrum der Lichttechnik / Karlsruher Institut für Technologie (KIT), Lichttechnisches Institut
Soggetti	Technology: general issues
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Inhalte für Displays werden für relativ dunkle Umgebungslichtbedingungen (0.5-500lx) optimiert. Unsere Wahrnehmung dieser Inhalte ist im Automobil durch die wechselnden Lichtbedingungen (0.5-100klx) starken Variationen unterworfen. Ziel dieser Arbeit ist es durch intelligente Steuerung der Displayhelligkeit, Modifizierung der dargestellten Inhalte und Optimierung der Hinterleuchtungstechnik die darzustellenden Inhalte dynamisch in Echtzeit optimal an die visuelle Wahrnehmung anzupassen.

2. Record Nr.	UNINA9910886987103321
Autore	Soni Vijay
Titolo	Antimicrobial Resistance: Factors to Findings : Omics and Systems Biology Approaches // edited by Vijay Soni, Ajay Suresh Akhade
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2024
ISBN	3-031-65986-4
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (459 pages)
Altri autori (Persone)	AkhadeAjay Suresh
Disciplina	571.96 616.079
Soggetti	Immunology Immune response Pathogenic microorganisms Bioinformatics Diseases - Causes and theories of causation Genomics Antimicrobial Responses Computational and Systems Biology Pathogenesis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Antimicrobial resistance and factors -- Genomics as a tool to track global AMR -- Meta-transcriptomics to reveal mechanisms of drug action and resistance -- Use of proteomics to study bacterial virulence and AMR -- Metabolomics to understand bacterial and drug metabolism -- Microbiome and AMR: A One Health perspective -- Environmental reservoirs, genomic epidemiology, and mobile genetic elements -- Multiomics approach to control AMR -- Systems biology and AMR -- Host-directed omics approaches to control AMR -- Role of AI and Machine Learning in omics analysis of AMR evolution and surveillance -- Drug discovery and AMR treatments using an omics-based approach -- Future perspectives of omics-systems biology to control AMR: Recommendations and future directions.

Antimicrobial resistance (AMR) is increasing globally at an incredible rate, and many infectious diseases have already reached an alarming stage of resistance to existing treatments. WHO reports that nearly 1.27 million people currently die each year due to resistant infections, and AMR is projected to account for 10 million annual deaths globally by 2050. There is an urgent need for novel approaches to address this issue. Omics technologies are powerful research tools used extensively to study pathogen biology and the activity of microbial agents. These tools, paired with systems biology approaches, can provide novel insights into antimicrobial susceptibility and resistance, and aid in the development of new, more effective measures to combat resistant pathogens. This book provides a comprehensive overview of omics technologies to study pathogen biology, including proteomics, genomics, transcriptomics, metabolomics, and microbiome analysis, and the role of systems biology in developing strategies to combat resistant pathogens. It addresses environmental reservoirs and mobile genetic agents in AMR, host-pathogen interactions and physiology in the development of resistance, drug repurposing and development, and cutting-edge tools such as machine learning, AI for big data analysis, and genomic surveillance. The final section discusses future perspectives on omics-systems biology in AMR, and identifies opportunities for scientific collaboration in the global fight against antimicrobial resistance. This book serves as a comprehensive and accessible resource for researchers in academia and industry focused on immunology, drug development, biotechnology, and systems biology.
