

1. Record Nr.	UNISA996587866403316
Titolo	Advances in Computer Graphics [[electronic resource] ] : 40th Computer Graphics International Conference, CGI 2023, Shanghai, China, August 28 – September 1, 2023, Proceedings, Part IV // edited by Bin Sheng, Lei Bi, Jinman Kim, Nadia Magnenat-Thalmann, Daniel Thalmann
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	3-031-50078-4
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (XII, 404 p. 122 illus., 100 illus. in color.)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 14498
Disciplina	005.3
Soggetti	Application software Computer systems Computer networks Data structures (Computer science) Information theory Coding theory Computer science Computer and Information Systems Applications Computer System Implementation Computer Communication Networks Data Structures and Information Theory Coding and Information Theory Theory of Computation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Detection and Recognition -- Image Analysis and Processing; Image Restoration and Enhancement; Image Attention and Perception -- Reconstruction; Rendering and Animation -- Synthesis and Generation -- Visual Analytics and Modeling; Graphics and AR/VR -- Medical Imaging and Robotics -- Theoretical Analysis; Image Analysis and Visualization in Advanced Medical Imaging Technology -- Empowering Novel Geometric Algebra for Graphics and Engineering.
Sommario/riassunto	This 4-volume set of LNCS 14495-14498 constitutes the proceedings

of the 40th Computer Graphics International Conference, CGI 2023, held in Shanghai, China, August 28 – September 1, 2023. The 149 papers in this set were carefully reviewed and selected from 385 submissions. They are organized in topical sections as follows: Detection and Recognition; Image Analysis and Processing; Image Restoration and Enhancement; Image Attention and Perception; Reconstruction; Rendering and Animation; Synthesis and Generation; Visual Analytics and Modeling; Graphics and AR/VR; Medical Imaging and Robotics; Theoretical Analysis; Image Analysis and Visualization in Advanced Medical Imaging Technology; Empowering Novel Geometric Algebra for Graphics and Engineering.

2. Record Nr.	UNINA9910437894503321
Titolo	Sialo-Xenoantigenic Glycobiology : Molecular Glycobiology of Sialylglycan-Xenoantigenic Determinants in Pig to Human Xenotransplantation / / by Kwon-Ho Song, Cheorl-Ho Kim
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013
ISBN	1-283-91007-1 3-642-34094-6
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (75 p.)
Collana	Sungkyunkwan University Outstanding Research, , 2195-3554 ; ; 1
Altri autori (Persone)	SongKwon-ho KimCheorl-ho
Disciplina	572.567
Soggetti	Biomedical engineering Medicine - Research Biology - Research Medical genetics Clinical biochemistry Biochemistry Biomedical Engineering and Bioengineering Biomedical Research Medical Genetics Medical Biochemistry
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	Screening of pig glycosyltransferase genes related to xenoantigens and their masking -- Cloning and tissue specific expression of pcmaH and its alternative transcripts -- Functional characterization of pCMAH in the synthesis of N-glycolylneuraminic acid as the xenoantigenic determinant in pig-to-human xenotransplantation -- Identification of two alternative promoters of the pig CMP-N-acetylneuraminic acid hydroxylase gene -- Screening for xenoantigenic determinants formed by sialyltransferases.
Sommario/riassunto	Carbohydrate antigens on glycoconjugates of mammalian cells play crucial roles in various biological processes and are epitopes recognized by the immune system, as glycobiology has hugely been progressed during the past two decades. The book focuses on sialic acid-based xenoantigenes. In pig to human xenotransplantation, exposure of pig organs to human blood results in hyper acute rejection (HAR), caused by differences in carbohydrate epitopes between human and pig vascular endothelia. Although Gal-antigen as major antigen was eliminated, the remaining non-Gal antigens are considered to be xenoantigens. Sialosyl-Tn or Hanganutziu-Deicher (HD), are non-Gal antigens specific to natural antibodies in human. To overcome rejection responses such as HAR, studies of genes involved in carbohydrate antigens, causing xenoantigenicity, are necessary. Knowledge of pig glycosyltransferases are also useful to apply to xenoantigen masking or identification of the xenoantigenic sialylglycan(s). In the first chapter the screening for pig glycosyltransferase genes for xenoantigens is presented. In the chapter II to IV the cloning, characterization, and investigation of the regulatory mechanism of the pig CMAH gene in NeuGc biosynthesis is shown. Lastly, the effects of an alteration of pig glycosylation patterns on human serum-mediated cytotoxicity, caused by human sialyltransferases including hST6GalNAc IV is presented. .

3. Record Nr.	UNINA9910299823903321
Autore	Fischer Robert
Titolo	The Automotive Transmission Book / / by Robert Fischer, Ferit Küçükay, Gunter Jürgens, Rolf Najork, Burkhard Pollak
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-05263-2
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (372 p.)
Collana	Powertrain, , 1613-6349
Disciplina	388 620 629.2
Soggetti	Automotive engineering Transportation Automotive Engineering
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	Core tasks of vehicle transmissions -- Shift dynamics and shift comfort -- Power transfer elements -- Actuation, servo and auxiliary systems -- Transmission designs for passenger cars -- Power train electrification -- Transmission applications outside of the passenger vehicle sector.
Sommario/riassunto	This book presents essential information on systems and interactions in automotive transmission technology and outlines the methodologies used to analyze and develop transmission concepts and designs. Functions of and interactions between components and subassemblies of transmissions are introduced, providing a basis for designing transmission systems and for determining their potentials and properties in vehicle-specific applications: passenger cars, trucks, buses, tractors, and motorcycles. With these fundamentals the presentation provides universal resources for both state-of-the-art and future transmission technologies, including systems for electric and hybrid electric vehicles.