

1. Record Nr.	UNINA9910830423103321
Titolo	Glycochemical synthesis : strategies and applications // edited by Shang-Cheng Hung, Medel Manuel L. Zulueta
Pubbl/distr/stampa	Hoboken, New Jersey : , : John Wiley & Sons, Incorporated, , [2016] ©2016
ISBN	1-119-00647-3 1-119-00627-9 1-119-00643-0
Descrizione fisica	1 online resource (577 p.)
Disciplina	572.567
Soggetti	Glycoconjugates Glycosylation Glycomics
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	Glycochemistry : overview and progress / Matthew Schombs and Jacquelyn Gervay-Hague -- Protecting group strategies in carbohydrate synthesis / Shang-Cheng Hung and Cheng-Chung Wang -- General aspects in O-glycosidic bond formation / Xin-Shan Ye and Weigang Lu -- Controlling anomeric selectivity, reactivity, and regioselectivity in glycosylations using protecting groups / Thomas Jan Boltje, Lin Liu, and Geert-Jan Boons -- Stereocontrolled synthesis of sialosides / Chandrasekhar Navuluri and David Crich -- Strategies for one-pot synthesis of oligosaccharides / Bo Yang, Keisuke Yoshida, and Xuefei Huang -- Automated oligosaccharide synthesis : techniques and applications / Mattan Hurevich, Jeyakumar Kandasamy, and Peter H. Seeberger -- Sugar synthesis by microfluidic techniques / Koichi Fukase, Katsunori Tanaka, Yukari Fujimoto, Atsushi Shimoyama, and Yoshiyuki Manabe -- Chemoenzymatic synthesis of carbohydrates / Kasemsiri Chandarajoti and Jian Liu -- Synthesis of glycosaminoglycans / Medel Manuel L. Zulueta, Shu-Yi Lin, Yu-Peng Hu, and Shang-Cheng Hung -- Chemical glycoprotein synthesis / Yasuhiro Kajihara, Masumi Murakami, and Carlo Unverzagt -- Synthesis of glycosphingolipids /

Suvarn S. Kulkarni -- Synthesis of glycosylphosphatidylinositol anchors / Charles Johnson and Zhongwu Guo -- Synthesis of bacterial cell envelope components / Akihiro Ishiwata and Yukishige Ito -- Discoveries and applications of glycan arrays / Chung-Yi Wu and Shih-Huang Chang -- Synthesis and applications of glyconanoparticles, glycodendrimers, and glycoclusters in biological systems / Avijit Kumar Adak, Ching-Ching Yu, and Chun-Cheng Lin -- Design and synthesis of carbohydrates and carbohydrate mimetics as anti-influenza agents / Mauro Pascolutti and Mark von Itzstein -- Design and synthesis of ligands and antagonists of siglecs as immune response modifiers / Hajjaj H.M. Abdu-Allah, Hideharu Ishida, and Makoto Kiso -- Sugar-protein hybrids for biomedical applications / Macarena Sanchez-Navarro and Benjamin G. Davis.
