

1. Record Nr.	UNINA9910703701203321
Autore	Valdes James J.
Titolo	Bio-inspired materials and devices for chemical and biological defense // James J. Valdes and Erica R. Valdes
Pubbl/distr/stampa	Washington, DC : , : Center for Technology and National Security Policy, National Defense University, , 2010
Descrizione fisica	1 online resource (iii, 30 pages) : color illustrations
Collana	Defense & technology papers ; ; no. 79
Soggetti	Biomimetic materials Biomimetics - Biotechnology Materials - Biotechnology Biotechnology industries - Military aspects Biosecurity Biological warfare - Safety measures Chemical warfare - Safety measures
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on January 3, 2011). "September 2010." Series from web site.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Background -- Current technologies. Cell membranes and lipid bilayers -- Stabilized lipid layers and bilayers -- Liposomes -- Microcapsules and polymersomes -- Hyrdogels -- Aerogels -- Porous inorganics -- Chitosan -- S-layer proteins -- Molecular imprints -- Nanotubes -- Conclusions and recommendations.