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Altri autori (Persone)	BuonomennaMaria Giovanna GolemmeG
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Sommario/riassunto	""The need to reduce pollution and the waste of energy and resources imposes a wider diffusion of environmentally friendly membrane systems. The expanding domain of membrane operations demands tailored materials with unprecedented performances and resistance to temperature, chemicals and solvents, at affordable costs. Today, new polymeric, inorganic and hybrid materials are specifically engineered for the preparation of advanced membranes for industrial applications. This e-book gives readers an overview of the state-of-the-art materials science of synthetic membranes. Membranes for natural g