

1. Record Nr.	UNINA9910830483403321
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Titolo	Sustainable design : the science of sustainability and green engineering // Daniel Vallero and Chris Brasier [[electronic resource]]
Pubbl/distr/stampa	Hoboken, N.J., : John Wiley, c2008
ISBN	0-470-25960-4 1-60119-847-7
Descrizione fisica	1 online resource (xi, 332 p.) : ill., map ;
Altri autori (Persone)	BrasierChris
Disciplina	720/.47
Soggetti	Buildings - Performance Buildings - Energy conservation Environmental engineering Architecture - Decision making Environmental engineering - Decision making Architecture Civil & Environmental Engineering Engineering & Applied Sciences Civil Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The evolution of design process -- First principles -- Transitions -- Place and time -- Sustainable design and social responsibility -- The sustainability imperative -- The carbon quandary: essential and detrimental -- We have met the future and it is green.
Sommario/riassunto	"From thermodynamics to fluid dynamics to computational chemistry, this book sets forth the scientific principles underlying the need for sustainable design, explaining not just the "hows" of sustainable design and green engineering, but also the "whys." Moreover, it provides readers with the scientific principles needed to guide their own sustainable design decisions. Throughout the book, the authors draw from their experience in architecture, civil engineering, environmental engineering, planning, and public policy in order to build an understanding of the interdisciplinary nature of sustainable design."--

Jacket.
