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Titolo	Building Refurbishment for Energy Performance : A Global Approach / / edited by Anna Magrini
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ISBN	9783319030746 3319030744
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Descrizione fisica	1 online resource (259 p.)
Collana	Green Energy and Technology, , 1865-3529
Disciplina	696
Soggetti	Energy consumption Buildings—Design and construction Building Construction Engineering, Architectural Environmental engineering Biotechnology Energy Efficiency Building Construction and Design Environmental Engineering/Biotechnology Basics of Construction
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 at the end of each chapters.
Nota di contenuto	Introduction -- Opaque Building Envelope -- Transparent Building Envelope - Windows and Shading Devices Typologies for Energy Efficiency Refurbishments -- Improving the Energy Efficiency of Heating Systems in Europe’s Residential Buildings -- Solar Energy -- The Calibration Process of Building Energy Models.
Sommario/riassunto	In Europe, the building sector accounts for 40% of energy consumption which has a strong influence on greenhouse gas emissions. The book deals with efficient methodologies aimed to reduce greenhouse gas emissions in the building sector. This includes analyses of the building envelopes, the heating systems, the use of solar energy, and the

assessment of the environmental and energy sustainability of the proposed solutions. After a brief introduction to the physical fundamentals involved in the study, results are presented to support cost-effective technical strategies to promote actions for energy saving, in the most critical fields and with the most economic advantage.