



Nano And Biotech Based Materials For Energy Building Efficiency

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Summary : Free nano and biotech based materials for energy building efficiency pdf download - this book presents the current state of knowledge on nanomaterials and their use in buildings ranging from glazing and vacuum insulation to pcm composites it also discusses recent applications in organic photovoltaics photo-bioreactors bioplastics and foams making it an exciting read while also providing copious references to current research and applications for those wanting to pursue possible future research directions derek clements-croome emeritus professor in architectural engineering university of reading from the foreword demonstrating how higher energy efficiency in new and existing buildings can help reduce global greenhouse gas emissions this book details the way in which new technologies manufacturing processes and products can serve to abate emissions from the energy sector and offer a cost-effective means of improving competitiveness and drive employment maximizing reader insights into how nano and biotech materials such as aerogel based plasters thermochromic glazings and thermal energy adsorbing glass amongst others can provide high energy efficiency performance in buildings it provides practitioners in the field with an important high-tech tool to tackle key challenges and is essential reading for civil engineers architects materials scientists and researchers in the area of the sustainability of the built environment

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