



Molecular Catalysts for Energy Conversion

By Tatsuhiro Okada

Springer-Verlag GmbH Okt 2008, 2008. Buch. Book Condition: Neu. 242x163x21 mm. Neuware - Over the past decade the topic of energy and environment has been acknowledged among many people as a critical issue to be solved in 21st century since the Kyoto Protocol came into effect in 1997. Its political recognition was put forward especially at Heiligendamm in 2007, when the effect of carbon dioxide emission and its hazard in global climate were discussed and shared universally as common knowledge. Controlling the global warming in the economic framework of massive development worldwide through this new century is a very challenging problem not only among political, economical, or social circles but also among technological or scientific communities. As long as the humans depend on the combustion of fossil for energy resources, the waste heat exhaustion and CO emission are inevitable. In order to establish a new era of energy saving and environment benign society, which is supported by technologies and with social consensus, it is important to seek for a framework where new clean energy system is incorporated as infrastructure for industry and human activities. Such a society strongly needs innovative technologies of least CO emission and efficient energy conversion...



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