1. Record Nr. UNINA9910557390203321

Autore	Gomes Helder
Titolo	Catalysis for Global Development. Contributions around the Iberoamerican Federation of Catalysis
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2020
Descrizione fisica	1 online resource (314 p.)
Soggetti	History of engineering and technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Adequate quality of life and well-being of modern societies is only achievable with sustainable manufacturing processes that efficiently use raw materials, eliminate waste, and avoid the use of hazardous materials. All this is hardly conceivable without catalysis. In a world concerned with the exploitation of natural resources, catalysis can offer direct synthesis routes that maximize resource efficiency. The Iberoamerican society is far too significant and far too involved in global development, owing to its natural richness of resources, not to have an essential role in current developments and future directions. Catalysis, in the Iberoamerican academic and industrial communities, is recognized as a relevant scientific discipline that supports several strategic industrial sectors through the manufacturing of products and materials, and the operationalization of processes to produce energy and other utilities. As a reflection of this, once every two years the Iberoamerican Congress on Catalysis takes place to share and discuss the state-of-the-art of this discipline with the Federation of Iberoamerican Catalysis Societies. This book collected sixteen outstanding contributions, stemming from this exceptional event-one which will undoubtedly mark a turning point and could be a source of inspiration to all those involved in catalysis, particularly the young generation of competent researchers taking their first steps in this incredibly complex and beautiful discipline.