

1. Record Nr.	UNINA9910555003603321
Titolo	Experimental methods for evaluation of hydrotreating catalysts // edited by Jorge Ancheyta
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , [2020] ©2020
ISBN	1-119-51800-8 1-5231-3728-2 1-119-51803-2 1-119-51801-6
Descrizione fisica	1 online resource (xix, 409 pages) : illustrations
Disciplina	665.538
Soggetti	Petroleum - Refining - Experiments
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Sommario/riassunto	"Experimental methods for evaluation of hydrotreating catalysts focuses on detailed descriptions of experimental procedures that are used for testing and screening of hydrotreating catalysts, making emphasis on step-by-step methodologies, calculations, treatment of data, and interpretation of results. It describes experimental procedure at different levels of experimentation, such as: glass reactor, batch reactor, small-scale tubular reactor, medium-scale tubular reactor, large-scale tubular reactor, continuous stirred tank reactor, and ebullated-bed reactor, using model compounds, middle distillates and heavy oil. Each chapter includes detailed description of the experimental setup and procedure, analytical methods, calculations, examples of catalyst testing, characterization of catalyst and liquid products, and interpretation of results. Experimental methods for evaluation of hydrotreating catalysts is oriented to be a reference book for researchers, PhD students, post-doctorate students, catalyst manufacturers, professors, to help them carry out proper experiments for catalyst evaluation at different reaction scales, as well as to cover part of the content of a series of courses of different carriers at

undergraduate and postgraduate levels"--
