1. Record Nr. UNISA990000202140203316

Titolo	Advances in artificial intelligence : 11th biennial conference of the Canadian Society for Computational Studies of Intelligence AI'96 : Toronto, Ontario, Canada, May 21-24, 1996 : proceedings / Gordon McCalla (ed.)
Pubbl/distr/stampa	Berlin [etc.] : Springer-Verlag, c 1996
ISBN	3-540-61291-2
Descrizione fisica	XII, 456 p. : ill. ; 24 cm
Collana	Lecture notes in artificial intelligence ; 1081
Disciplina	0063
Collocazione	006. 3 CAN
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	serie principale: lecture notes incomputer science

2. Record Nr. UNINA9910373889903321

Autore	Sagir Muhammad
Titolo	Surfactants for Enhanced Oil Recovery Applications / / by Muhammad Sagir, Muhammad Mushtaq, M. Suleman Tahir, Muhammad Bilal Tahir, Abdul Ravoof Shaik
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-18785-3
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XI, 129 p. 53 illus., 38 illus. in color.)
Disciplina	622.33827
Soggetti	Chemical engineering Fossil fuels Industrial Chemistry/Chemical Engineering Fossil Fuels (incl. Carbon Capture)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Surfactants -- Surfactants in Petroleum Industry -- Surfactants as Foaming Agents -- Surfactants as Emulsification Agents for IFT Reduction -- CO2 Philic Surfactants and Switchable Amine-based Surfactants for Foam Applications -- Modeling of Surfactant Flooding in Porous Medium -- Challenges and Future Trends in Surfactant EOR.
Sommario/riassunto	This book provides a concise treatise on the use of surfactants in enhanced oil recovery (EOR), including information on key types of surfactants and their respective applications in the wider petroleum industry. The authors discuss carbon dioxide EOR, alkaline-surfactant-polymer flooding strategies, and the use of surfactants as a means of reducing interfacial tension, while also paying special attention to the challenges involved in using surfactants for enhanced oil recovery, such as the difficult issue of surfactant adsorption on reservoir rock. All chapters highlight and are based on the authors' own laboratory-scale case studies. Given its content, the book offers a valuable asset for graduate students of petroleum and chemical engineering, as well as researchers in the field of chemical enhanced oil recovery. It will also be of interest to professionals involved in enhanced industrial oil recovery. .