

1. Record Nr.	UNISALENTO991002233979707536
Autore	Jannsen, Uwe
Titolo	Mixed motives and algebraic K-theory [e-book] / by Uwe Jannsen
Pubbl/distr/stampa	Berlin : Springer, 1990
ISBN	9783540469414
Descrizione fisica	1 online resource (xiii, 246 p.)
Collana	Lecture Notes in Mathematics, 0075-8434 ; 1400
Classificazione	AMS 14A20 AMS 14C30 AMS 14G13
Disciplina	512.7
Soggetti	Mathematics Number theory
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910557290603321
Autore	Guerrero-Ruiz A
Titolo	Application of New Nanoparticle Structures as Catalysts
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2020
Descrizione fisica	1 online resource (190 p.)
Soggetti	Research & information: general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Catalysts are made of nanoparticles of metals, metal oxides, and other compounds that may act as active phases, support the latter, or a combination of both. The initial incentive to reduce as much as possible, up to the nano-scale, the size of the particles of active catalyst components is to maximize the surface area exposed to reactants, thus minimizing the specific cost per function and increasing the rate of conversion of feedstocks to products in relatively simple reactions. Nowadays, the interest in nanocatalyst developments has shifted to an emphasis on improving the selectivity of catalysts, allowing one to obtain desirable reactions in more complex synthetic processes. Thus, new generations of nanocatalysts should be designed at the molecular level to display well-defined structural characteristics, in terms of size, shapes, hierarchical porosity, and morphologies, as well as with controlled chemical composition. The development of efficient nanocatalysts supposes the characterization of their various surface active sites at the nanometer scale, which is focused on establishing synthesis-structure-performance relationships.