

1. Record Nr.	UNINA9910962706903321
Titolo	Handbook of clay science / / edited by Faiza Bergaya, Benny K.G. Theng, Gerhard Lagaly
Pubbl/distr/stampa	Amsterdam ; ; London, : Elsevier, 2006
ISBN	9786610640942 9781280640940 1280640944 9780080457635 0080457630
Edizione	[1st ed.]
Descrizione fisica	1 online resource (1248 p.)
Collana	Developments in clay science, , 1572-4352 ; ; 1
Altri autori (Persone)	BergayaFaiza ThengB. K. G LagalyGerhard
Disciplina	620.191
Soggetti	Clay Ceramics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front cover; Title page; Copyright page; Dedication; Table of contents; List of Contributors by Country of Residence; Acknowledgements; Contributing Authors; Forward; 1 General Introduction: Clays, Clay Minerals, and Clay Science; Aim and Scope; Clay; Clay Mineral; Distinction between Clay and Clay Mineral; Clay Mineral Properties; Associated Minerals; Associated Phases; Other Solids with Similar Properties; Clay Mineral Particles and Aggregates; Clay Minerals and Environment; Alternative Concepts of Clay Minerals; Clay Science; Concluding Remarks; References 2 Structures and Mineralogy of Clay MineralsGeneral Structural Information; Layer Charge (X); Polytypism; Mixed-Layer Structures; The 1:1 Layer; Dioctahedral 1:1 Minerals: The Kaolin Group; A. Kaolinite; B. Dickite; C. Nacrite; D. Halloysite; E. Hisingerite; Trioctahedral 1:1 Minerals: The Serpentine Group; The 2:1 Layer; Pyrophyllite, Talc, and Related Minerals; True and Brittle Micas; Illite; Smectites; Vermiculite; Chlorite; Illite-Smectite and other Interstratifications between

Dioctahedral Non-Expandable and Expandable 2:1 Layers; Allophane and Imogolite; Palygorskite and Sepiolite

References3 Surface and Interface Chemistry of Clay Minerals; Surface Atoms; Surface Structures and Properties; The Neutral Siloxane Surface; Constant Charge Sites (Siloxane Surface with Permanent Charge); The Hydroxyl Surface; Hydrophobic-Hydrophilic Character of Clay Mineral Surfaces; Clay-Water Interactions; Structure and Properties of Water Sorbed to Clay Mineral Surfaces; Influence of Water on Clay Mineral Structure; Surface Chemistry in Aqueous Dispersions; Preliminary Considerations; Spectroscopy; Monomers, Dimers and Aggregates; Organisation of Clay Mineral Particles and Molecules

Self-AssemblingLangmuir-Blodgett Technique; References; 4 Synthetic Clay Minerals and Purification of Natural Clays; Methodology; Synthesis from Very Dilute Solutions; Solid-State Reactions; Hydrothermal Synthesis; Germination Process; Crystal Growth; Role of temperature; Role of pH; Role of time: crystallization versus crystallinity; Intermediate phases; Characterization of Synthetic Clay Minerals; Synthesis of Specific Clay Minerals; Micas; Smectites; Kaolinite; Sepiolite; Purification of Clays; Purification Procedures; Decomposition of Carbonates; Recommended procedure

Dissolution of (Hydr)oxidesRecommended procedure; Oxidation of Organic Materials; Recommended procedure; Dissolution of Silica; Removal of Remaining Salt by Dialysis and Fractionation; A Simplified 'Gentle' Purification Method; Na<sup>+</sup>-exchange; Washing; Recommended procedure; A Pilot Purification Technique; Conclusions; References; 5 Colloid Clay Science; Clay Mineral Particles; Particle and Aggregate Structure; Layer and Edge Charges; Clay Minerals in Water; Hydrates of 2:1 Clay Minerals; Structure of the Hydrates; Colloidal Dispersions; Electrokinetic Properties

Preparation of Colloidal Dispersions

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#### Sommario/riassunto

The first general texts on clay mineralogy and the practical applications of clay, written by R.E. Grim, were published some 40-50 years ago. Since then, a vast literature has accumulated but this information is scattered and not always accessible. The Handbook of Clay Science aims at assembling the scattered literature on the varied and diverse aspects that make up the discipline of clay science. The topics covered range from the fundamental structures (including textures) and properties of clays and clay minerals, through their environmental, health and industrial applicati

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2. Record Nr.	UNINA9910973538603321
Autore	Lewis Daniel C.
Titolo	Direct democracy and minority rights : a critical assessment of the tyranny of the majority in the American states / / Daniel C. Lewis
Pubbl/distr/stampa	New York ; ; London : , : Routledge, , 2013
ISBN	1-136-26934-7 1-283-94238-0 0-203-10934-1 1-136-26935-5
Edizione	[1st ed.]
Descrizione fisica	1 online resource (137 p.)
Collana	Controversies in electoral democracy and representation
Disciplina	323.173
Soggetti	Direct democracy - United States - States Representative government and representation - United States - States Majorities Minorities - Civil rights - United States - States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Direct democracy institutions & the threat of tyranny -- Direct democracy & the diffusion of anti-minority policies -- A representational filter? the passage of anti-minority policy proposals -- The flip side; direct democracy & pro-minority policies -- Conclusion.
Sommario/riassunto	This book conclusively demonstrates that direct democracy-institutions like the ballot initiative and the referendum-endangers the rights of minorities and perpetuates a tyranny of the majority. While advocates of direct democracy advocate that these institutions protect citizens from corrupt lawmakers beholden to special interests, Daniel Lewis's thorough investigation shows how such mass participation exposes minority groups to negative policy outcomes favored by only a slim majority of voters. Some would argue that greater democratic responsiveness is a positive outcome, but without the