Clays and Clay Minerals, Vol. 49, No. 6, 609–619, 2001.

COMPREHENSIVE SUBJECT, AUTHOR AND TITLE INDEX VOLUME 49, 2001

020 diffraction peak 236
1*M* polytype 119
2*O* polytype 300
ξ potential 263

A

A Deep-Water Glauconitization Process on the Ivory Coast–Ghana Marginal Ridge (ODP Site 959): Determination of Fe^{3+}-rich Montmorillonite in Green Grains by A. Wiewióra, P. Giresse, S. Petit and A. Wilamowski 540

A HRTEM Study of Cronstedtite: Determination of Polytypes and Layer Polarity in Trioctahedral 1:1 Phyllosilicates by Toshihiro Kogure, Jiří Hybler and Slavomil Ďurovič 310

Ab Initio treatment of Defects in Muscovite Layers, 500

Acid Dissolution 60

Activation Energy 60

Adsorption
(of Glyphosate and Phosphate on Goethite 270)
(Surface Chemistry of Imogolite 73)

AEM 92

Al-Pillared Smectites 183, 186

Alteration of Dickite and Nacrite 586

Anatolian Ophiolites (Central) 81

Anchizone 156

Annite 455

Aoki, Yoshikazu (with Yoshihiro Kuwahara and Seiichiro Uehara), Atomic Force Microscopy Study of Hydrothermal Illite in Izumiya Pottery Stone from Arita, Saga Prefecture, Japan 300

Árkai, P. (with M.P. Mata, G. Giorgetti and Donald R. Peacor), Comparison of Evolution of Trioctahedral Chlorite/Berthierine/Smectite in Coeval Metabasites and Metapelites from Diagenetic to Epizonal Grades 318

Arostegui, Javier (with María Jesús Irabien, Fernando Nieto, Javier Sangüesa and María Cruz Zuluaga), Microtextures and the Origin of Muscovite-Kaolinite Intergrowths in the Sandstones of the Utrillas Formation, Basque Cantabrian Basin, Spain 529

ATEM 44

Atlantis II Deep 174

Atomic Force Microscopy Study of Hydrothermal Illite in Izumiya Pottery Stone from Arita, Saga Prefecture, Japan by Yoshihiro Kuwahara, Seiichiro Uehara and Yoshikazu Aoki 300

Authigenic Phyllosilicates in the Middle Triassic Kremikovsti Sedimentary Exhalative Siderite Iron Formation, Western Balkan, Bulgaria by Zhelyazko Damyanov and Margarita Vassileva 559

Avena, Marcelo, J. (with Laura E. Valenti, Valeria Pfaffen and Carlos P. De Pauli), Methylene Blue Dimerization Does Not Interfere in Surface-Area Measurements of Kaolinite and Soils 168

B

Background Electrolyte 270

Barite 559

Baseline Studies of the Clay Minerals Society Source Clays: Cation Exchange Capacity Measurements by the Ammonia-Electrode Method by D. Borden and R.F. Giese 444

Baseline Studies of the Clay Minerals Society Source Clays: Chemical Analyses of the Major Elements by Ahmet R. Mermut and Angel Faz Cano 381

Baseline Studies of the Clay Minerals Society Source Clays: Chemical Analysis by Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS) by Jessica Elzea Kogel and Susan A. Lewis 387

Baseline Studies of the Clay Minerals Society Source Clays: Colloid and Surface Phenomena by Wenju Wu 446

Baseline Studies of the Clay Minerals Society Source Clays: Geological Origin by William F. Moll, Jr. 374

Baseline Studies of the Clay Minerals Society Source Clays: Infrared Methods by Jana Madejová and Peter Komadel 410

Baseline Studies of the Clay Minerals Society Source Clays: Introduction by P.M. Costanzo 372

Baseline Studies of the Clay Minerals Society Source Clays: Layer-Charge Determination and Characteristics of those Minerals containing 2:1 Layers by Ahmet R. Mermut and G. Lagaly 393

Baseline Studies of the Clay Minerals Society Source Clays: Powder X-ray Diffraction Analyses by Steve J. Chipera and David L. Bish 398

Baseline Studies of the Clay Minerals Society Source Clays: Preface by P.M. Costanzo and Stephen Guggenheim 371

Baseline Studies of the Clay Minerals Society Source Clays: Thermal Analysis by Stephen Guggenheim and A.F. Koster van Groos 433

Basic Stern Model 73

Copyright © 2001, The Clay Minerals Society

https://doi.org/10.1346/CCMN.2001.0490611 Published online by Cambridge University Press

Bauxite 216
Bentonite
(Conversion of Smectite to Illite in Mudstone of the Nankai Trough: Contrast with Coeval Bentonites) 109
(Formation and Growth of Smectites in Bentonites) 204
(in Salt Extraction from Ornamental Stones) 227
(Simulations of Interlayer Methanol in Ca- and Na-Saturated Montmorillonites) 255
Berthierine
(Authigenic Phyllosilicates in the Middle Triassic Kremikovsti Sedimentary Exhalative Siderite Iron Formation) 559
(Formation from a Subvolcanic Rock) 92
Biomineralization 292
Bish, David L. (with Steve J. Chipera), Baseline Studies of the Clay Minerals Society Source Clays: Powder X-ray Diffraction Analyses 398
Bobos, Iuliu (with Joelle Duplay, João Rocha and Celso Gomes), Kaolinite to Halloysite-7 Å Transformation in the Kaolin Deposit of São Vicente de Pereira 596
Boehmite 216
Bond Valence 73
Booij, E. (with J. Theo Kloprogge, J.A. Rob van Veen and Ray L. Frost), Comments on "Enhanced Thermal Stability of Al-Pillared Smectites Modified with Ce and La" by J.L. Valverde, P. Cañizares, M.R. Sun Kou and C.B. Molina 183
Book Review, **Environmental Mineralogy: Microbial Interactions, Anthropogenic Influences, Contaminated Land and Waste Management (J.D. Cotter-Howells, L.S. Campbell, E. Valsami-Jones and M. Batchelder, editors)** by N. Fortey 276
Borden, D. (with R.F. Giese), Baseline Studies of the Clay Minerals Society Source Clays: Cation Exchange Capacity Measurements by the Ammonia-Electrode Method 444
Borggaard, Ole K. (with Anne Louise Gimsing) Effect of KCl and $CaCl_2$ as Background Electrolytes on the Competitive Adsorption of Glyphosate and Phosphate on Goethite 270
Boudeulle, M. (with S. Shoval, S. Yariv, K.H. Michaelian and G. Panczer), Hydroxyl-Stretching Bands in Curve-Fitted Micro-Raman Photoacoustic and Transmission Infrared Spectra of Dickite from St. Claire, Pennsylvania 347
Bujdák, Juraj (with Marián Janek, Jana Madejová and Peter Komadel), Methylene Blue Interactions with Reduced-Charge Smectites 244
Bussy, F. (with M. Jaboyedoff, B. Kübler and Ph. Thelin), Illite "Crystallinity" Revisited 156
Bylaska, Eric J. (with Kevin M. Rosso and James R. Rustad), The Cs/K Exchange in Muscovite Interlayers: An *Ab Initio* Treatment 500
Bylina, Paweł (with Boris A. Sakharov, Elżbieta Dubińska and Grzegorz Kaprón), Unusual X-ray Characteristics of Vermiculite from Wiry, Lower Silesia, Poland 197

C

Cañizares, P. (with J.L. Valverde, M.R. Sun Kou and C.B. Molina), Reply to the Comment by J.T. Kloprogge, J.A. Rob van Veen, E. Booij and Ray L. Frost on "Enhanced Thermal Stability of Al-Pillared Smectites Modified with Ce and La" 186
Carbonate-Hosted (Sedimentary Exhalative Siderite Iron Formation) 559
Cation Exchange Capacity
(Cs/K Exchange in Muscovite Interlayers) 500
(Influence of Ionic Environment and pH on the Electrokinetic Properties of Ball Clays) 263
(Measurements by the Ammonia-Electrode Method of the Source Clays of the Clay Minerals Society) 444
(Simulations of Interlayer Methanol in Ca- and Na-Saturated Montmorillonites) 255
Cesium 500
Chamosite 559
Characterization of Montmorillonite Surfaces after Modification by Organosilane by Kang Song and Giselle Sandí 119
Chemical Analyses of the Major Elements of the Source Clays of the Clay Minerals Society, 381
Chemical Analysis of the Clay Minerals Society Source Clays by Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS) 387
Chemical Composition (of Clinoptilolite) 236
Chen, Pei Yuan (with Ming Kuang Wang and Deng Shiu Wang), Mineralogy of Dickite and Nacrite from Northern Taiwan 586
Cherniak, D.J. (with D.G Rancourt, P.H.J. Mercier, S. Desgreniers, H. Kodama, J.-L. Robert and E. Murad), Mechanisms and Crystal Growth Chemistry of Oxidation in Annite: Resolving the Hydrogen-Loss and Vacancy Reactions 455
Chipera, Steve J. (with David L. Bish), Baseline Studies of the Clay Minerals Society Source Clays: Powder X-ray Diffraction Analyses 398
Chloride (Surface Chemistry of Imogolite) 73
Chlorite-Smectite 333
Christidis, George E., Formation and Growth of Smectites in Bentonites: A Case Study from Kimolos Island, Aegean, Greece 204
Cis-Vacant Octahedra 24
Clay (Muscovite Interlayers: An *Ab Initio* Treatment) 500
Clay Mineral Diagenesis 333
Clay Minerals
(Influence of Ionic Environment and pH on the Electrokinetic Properties of Ball Clays) 263

https://doi.org/10.1346/CCMN.2001.0490611 Published online by Cambridge University Press

(Quantitative X-ray Analysis of Clay-Bearing Rocks from Random Preparations) 514
Clay Poultices in Salt Extraction from Ornamental Stones: A Statistical Approach by Maria Angeles Vicente and Santiago Vicente-Tavera 227
Clay-Organic Interactions 119
Clay-Particle Interaction 286
Clay-Suspension Viscosity 286
Clinoptilolite 236
Coherent Diffracting Domain Thickness 156
Colloid and Surface Phenomena of the Source Clays of the Clay Minerals Society 446
Comments on "Enhanced Thermal Stability of Al-Pillared Smectites Modified with Ce and La" by J.L. Valverde, P. Cañizares, M.R. Sun Kou and C.B. Molina by J. Theo Kloprogge, J.A. Rob van Veen, E. Booij and Ray L. Frost 183
Comparison of Evolution of Trioctahedral Chlorite/Berthierine/Smectite in Coeval Metabasites and Metapelites from Diagenetic to Epizonal Grades by M.P. Mata, G. Giorgetti, P. Árkai and Donald R. Peacor 318
Competition (Electrolytes on the Competitive Adsorption of Glyphosate and Phosphate on Goethite) 270
Conservation (Historical Heritage Buildings) 227
Construction Unit (Problems with Nomenclature of Phyllosilicates) 492
Costa, Anna Luisa (with Carmen Galassi and Paolo Pozzi), Influence of Ionic Environment and pH on the Electrokinetic Properties of Ball Clays 263
Costanzo, P.M. (with Stephen Guggenheim), Baseline Studies of the Clay Minerals Society Source Clays: Preface 371
Costanzo, P.M., Baseline Studies of the Clay Minerals Society Source Clays: Preface 372
Cronstedtite 310
Crystal Chemistry 455
Crystal Edge 197
Crystal Growth 1, 204
Crystal structure 24
Crystallization (Dioctahedral Phyllosilicates) 141
C-S 333
Current Problems with Nomenclature of Phyllosilicates by B.B. Zvyagin 492

D

Damyanov, Zhelyazko (with Margarita Vassileva), Authigenic Phyllosilicates in the Middle Triassic Kremikovsti Sedimentary Exhalative Siderite Iron Formation, Western Balkan 559
Dani, Norberto (with Milton Luiz Laquintinie Formoso, Alain Decarreau and Alain Meunier), Nordstrandite in Bauxite Derived from Phonolite, Lages, Santa Catarina, Brazil 216
De Pauli, Carlos P. (with Marcelo J. Avena, Laura E. Valenti and Valeria Pfaffen), Methylene Blue Dimerization Does Not Interfere in Surface-Area Measurements of Kaolinite and Soils 168
Decarreau, Alain (with Norberto Dani, Milton Luiz Laquintinie Formoso and Alain Meunier), Nordstrandite in Bauxite Derived from Phonolite, Lages, Santa Catarina, Brazil 216
Defects (Muscovite Interlayers: An *Ab Initio* Treatment) 500
Deiana, Salvatore (with Marco Pintore, Pierfranco Demontis, Bruno Manunza, Giuseppe Baldovino Suffritti and Carlo Gessa), Simulations of Interlayer Methanol in Ca- and Na-Saturated Montmorillonites Using Molecular Dynamics 255
Demontis, Pierfranco (with Marco Pintore, Salvatore Deiana, Bruno Manunza, Giuseppe Baldovino Suffritti and Carlo Gessa) Simulations of Interlayer Methanol in Ca- and Na-Saturated Montmorillonites Using Molecular Dynamics 255
Density Functional Theory (Muscovite Interlayers: An *Ab Initio* Treatment) 500
Desgreniers, S. (with D.G Rancourt, P.H.J. Mercier, D.J. Cherniak, H. Kodama, J.-L. Robert and E. Murad), Mechanisms and Crystal Growth Chemistry of Oxidation in Annite: Resolving the Hydrogen-Loss and Vacancy Reactions 455
Diagenesis 109
Diagenesis of Dioctahedral and Trioctahedral Smectites from Alternating Beds in Miocene to Pleistocene Rocks of the Niigata Basin, Japan by Byeong-Kook Son, Takahisa Yoshimura and Hikaru Fukasawa 333
Dickite 586
Differential Thermal Analysis 455
Dioctahedral Clay Minerals 126
Dioctahedral Phyllosilicates 141
Distinguished Member Award (Victor A. Drits) 107
Dong, Hailiang (with Harue Masuda and Donald R. Peacor), Transmission Electron Microscopy Study of Conversion of Smectite to Illite in Mudstone of the Nankai Trough: Contrast with Coeval Bentonites 109
Drief, A. (with F. Nieto and A. Sanchez-Navas), Experimental Clay-Mineral Formation from a Subvolcanic Rock by Interaction with 1 M NaOH Solution at Room Temperature 92
Drits, Victor A. (with Jan Środoń, Douglas K. McCarty, Jean C.C. Hsieh and Dennis D. Eberl), Quantitative X-ray Analysis of Clay Bearing Rocks from Random Preparations 514
Drits, Victor, A., Distinguished Member Award 107
Dubińska, Elżbieta (with Boris A. Sakharov, Paweł Bylina and Grzegorz Kaprón), Unusual X-ray Characteristics of Vermiculite from Wiry, Lower Silesia, Poland 197

https://doi.org/10.1346/CCMN.2001.0490611 Published online by Cambridge University Press

Duplay, Joelle (with Iuliu Bobos, João Rocha and Celso Gomes), Kaolinite to Halloysite-7 Å Transformation in the Kaolin Deposit of São Vicente de Pereira 596
Ďurovič, Slavomil (with Toshihiro Kogure and Jiří Hybler), A HRTEM Study of Cronstedtite: Determination of Polytypes and Layer Polarity in Trioctahedral 1:1 Phyllosilicates 310
Dye Adsorption, 168
Dye Cation Agglomerates 244

E

Eastern Atlantic 540
Eberl, Dennis, D. (with Jan Środoń, Victor A. Drits, Douglas K. McCarty and Jean C.C. Hsieh), Quantitative X-ray Analysis of Clay-Bearing Rocks from Random Preparations 514
Effect of KCl and $CaCl_2$ as Background Electrolytes on the Competitive Adsorption of Glyphosate and Phosphate on Goethite by Anne Louise Gimsing and Ole K. Borggaard 270
Electroacoustic 263
Electrolytes 263
Elzea Kogel, Jessica (with Susan A. Lewis), Baseline Studies of the Clay Minerals Society Source Clays: Chemical Analysis by Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS) 387
EMPA 236
Epitactic (Crystallization of Kaolinite) 529
Epithermal Ore Deposit 126
EPR 44
Ethylene Glycol Adsorption 168
Exchange Energy 500
Expandable Layer 156
Experimental Clay-Mineral Formation from a Subvolcanic Rock by Interaction with 1 M NaOH Solution at Room Temperature by A. Drief, F. Nieto and A. Sanchez-Navas 92
Extracellular Polysaccharides 292
Faz Cano, Angel (with Ahmet R. Mermut), Baseline Studies of the Clay Minerals Society Source Clays: Chemical Analyses of the Major Elements 381
Fe^{3+}-rich Montmorillonite 540
Feroxhyhite 174
Ferrihydrite 174
Fitzpatrick, R.W. (with M.A. Wells and Robert J. Gilkes), Properties and Acid Dissolution of Metal-Substituted Hematites 60

F

Foraminifer Fillings 540
Formation and Growth of Smectites in Bentonites: A Case Study from Kimolos Island, Aegean, Greece by George E. Christidis 204
Formation Conditions (Kaolinite Crystals) 44
Formoso, Milton Luiz Laquintinie (with Norberto Dani, Alain Decarreau and Alain Meunier) Nordstrandite in Bauxite Derived from Phonolite, Lages, Santa Catarina, Brazil 216
Frequency Factor 60
Frost, Ray L. (with J. Theo Kloprogge, J.A. Rob van Veen and E. Booij), Comments on "Enhanced Thermal Stability of Al-Pillared Smectites Modified with Ce and La" by J.L. Valverde, P. Cañizares, M.R. Sun Kou and C.B. Molina 183
Fukasawa, Hikaru (with Byeong-Kook Son and Takahisa Yoshimura), Diagenesis of Dioctahedral and Trioctahedral Smectites from Alternating Beds in Miocene to Pleistocene Rocks of the Niigata Basin, 333
Fundamental Particles 156

G

Galassi, Carmen (with Anna Luisa Costa and Paolo Pozzi), Influence of Ionic Environment and pH on the Electrokinetic Properties of Ball Clays 263
Gas Chromatogaphy 455
Genesis of Dioctahedral Phyllosilicates during Hydrothermal Alteration of Volcanic Rocks: I. The Golden Cross Epithermal Ore Deposit, New Zealand by David A. Tillick, Donald R. Peacor and Jeffrey L. Mauk 126
Genesis of Dioctahedral Phyllosilicates during Hydrothermal Alteration of Volcanic Rocks: II. The Broadlands-Ohaaki Hydrothermal System, New Zealand by Yonghong Yan, David A. Tillick, Donald R. Peacor and Stuart F. Simmons 141
Genetic Environment 355
Geological Origin of the Source Clays of the Clay Minerals Society, 374
Geomechanical Parameters 529
Geothermometer 333
Gessa, Carlo (with Marco Pintore, Salvatore Deiana, Pierfranco Demontis, Bruno Manunza and Giuseppe Baldovino Suffritti) Simulations of Interlayer Methanol in Ca- and Na-Saturated Montmorillonites Using Molecular Dynamics 255
Gibbsite 216
Giese, R.F. (with D. Borden), Baseline Studies of the Clay Minerals Society Source Clays: Cation Exchange Capacity Measurements by the Ammonia-Electrode Method 444
Gilkes, Robert J. (with Angélica F. Drummond Varajão, and Robert D. Hart), The Relationships between Kaolinite Crystal Properties and the Origin of Materials for a Brazilian Kaolin Deposit 44
Gilkes, Robert J. (with M.A. Wells and R.W. Fitzpatrick), Properties and Acid Dissolution of Metal-Substituted Hematites 60

https://doi.org/10.1346/CCMN.2001.0490611 Published online by Cambridge University Press

Gimsing, Anne Louise (with Ole K. Borggaard) Effect of KCl and $CaCl_2$ as Background Electrolytes on the Competitive Adsorption of Glyphosate and Phosphate on Goethite 270
Giorgetti, G. (with M.P. Mata, P. Árkai and Donald R. Peacor), Comparison of Evolution of Trioctahedral Chlorite/Berthierine/Smectite in Coeval Metabasites and Metapelites from Diagenetic to Epizonal Grades 318
Giresse, P. (with A. Wiewióra, S. Petit and A. Wilamowski), A Deep-Water Glauconitization Process on the Ivory Coast–Ghana Marginal Ridge (ODP Site 959): Determination of Fe^{3+}-rich Montmorillonite in Green Grains 540
Glauconitization 540
Glyphosate 270
Goethite 174, 270
Gomes, Celso (with Iuliu Bobos, Joelle Duplay and João Rocha), Kaolinite to Halloysite-7 Å Transformation in the Kaolin Deposit of São Vicente de Pereira 596
Göncüoğlu, M. Cemal (with Asuman G. Türkmenoğlu and Fatma Toksoy-Köksal), Vermiculitization of Phlogopite in Metagabbro, Central Turkey 81
Gray Carbonaceous Clay 355
Greece (Clinoptilolite and its Chemical Composition) 236
Green Clay 540
Guggenheim, Stephen (with A.F. Koster van Groos), Baseline Studies of the Clay Minerals Society Source Clays: Thermal Analysis 433
Guggenheim, Stephen (with P.M. Costanzo), Baseline Studies of the Clay Minerals Society Source Clays: Preface 371
Gustafsson, Jon Petter, The Surface Chemistry of Imogolite 73
Güven, Necip, Mica Structure and Fibrous Growth of Illite 189
Gyeongsang Basin 36

H

Hart, Robert D. (with Angélica F. Drummond Varajão, and Robert J Gilkes), The Relationships between Kaolinite Crystal Properties and the Origin of Materials for a Brazilian Kaolin Deposit 44
Heller, Hadar (with Rami Keren), Rheology of Na-rich Montmorillonite Suspension as Affected by Electrolyte Concentration and Shear Rate 286
Hematite 60, 174
Hematite-Rich Clay 355
HRTEM 174, 310, 529
High-Resolution Transmission Electron Microscopy Study of Newly Formed Sediments in the Atlantis II Deep, Red Sea by Nurit Taitel-Goldman and Arieh Singer 174
Historical Heritage Buildings 227
Hsieh, Jean C.C. (with Jan Środoń, Victor A. Drits, Douglas K. McCarty and Dennis D. Eberl), Quantitative X-ray Analysis of Clay Bearing Rocks from Random Preparations 514
Hybler, Jiří (with Toshihiro Kogure and Slavomil Ďurovič), A HRTEM Study of Cronstedtite: Determination of Polytypes and Layer Polarity in Trioctahedral 1:1 Phyllosilicates 310
Hydration 596
Hydrothermal
(Alteration of Volcanic Rocks) 126
(Illite) 300
(Mineralogy of Dickite and Nacrite from Northern Taiwan) 586
(System, During Alteration of Volcanic Rocks) 141
Hydroxyl-Stretching Bands in Curve-Fitted Micro-Raman Photoacoustic and Transmission Infrared Spectra of Dickite from St. Claire, Pennsylvania by S. Shoval, S. Yariv, K.H. Michaelian, M. Boudeulle and G. Panczer 347

I

Illite 109, 277
Illite "Crystallinity" Revisited by M. Jaboyedoff, F. Bussy, B. Kübler and Ph. Thelin 156
Illite Crystallinity (Kübler Index) 36, 156
Illite Fibers and Laths 189
Illite-Smectite 24, 126, 141, 333, 559
Illite-Smectite Interstratification 156
Imogolite 73
Indirect Fourier Transform 277
Influence of Ionic Environment and pH on the Electrokinetic Properties of Ball Clays by Carmen Galassi, Anna Luisa Costa and Paolo Pozzi 263
Infrared Methods of Analysis of the Source Clays of the Clay Minerals Society 398
Interstratification (Clay-Mineral Formation from a Subvolcanic Rock) 92
Interstratified Mineral 197
Irabien, María Jesús (with Javier Arostegui, Fernando Nieto, Javier Sangüesa and María Cruz Zuluaga), Microtextures and the Origin of Muscovite-Kaolinite Intergrowths in the Sandstones of the Utrillas Formation, Basque Cantabrian Basin, Spain 529
Iron Formation 559
Iron Oxide 60
Iron-rich 2:1 Phyllosilicates 174
Isomorphic Substitution 500

J

Jaboyedoff, M. (with F. Bussy, B. Kübler and Ph. Thelin), Illite "Crystallinity" Revisited 156
J-Aggregates 244

https://doi.org/10.1346/CCMN.2001.0490611 Published online by Cambridge University Press

Janek, Marián (with Juraj Bujdák, Jana Madejová and Peter Komadel), Methylene Blue Interactions with Reduced-Charge Smectites 244

K

Kaolinite 44, 559
Kaolinite Surface 168
Kaolinite to Halloysite-7 Å Transformation in the Kaolin Deposit of São Vicente de Pereira, Portugal by Iuliu Bobos, Joelle Duplay, João Rocha and Celso Gomes 596
Kaprón, Grzegorz (with Boris A. Sakharov, Elżbieta Dubińska and Paweł Bylina), Unusual X-ray Characteristics of Vermiculite from Wiry, Lower Silesia, Poland 197
Keren, Rami (with Hadar Heller), Rheology of Na-rich Montmorillonite Suspension as Affected by Electrolyte Concentration and Shear Rate 286
Kitsopoulos, Konstantinos P., The Relationship between the Thermal Behavior of Clinoptilolite and its Chemical Composition 236
Kloprogge, J. Theo (with J.A. Rob van Veen, E. Booij and Ray L. Frost), Comments on "Enhanced Thermal Stability of Al-Pillared Smectites Modified with Ce and La" by J.L. Valverde, P. Cañizares, M.R. Sun Kou and C.B. Molina 183
Kodama, H. (with D.G Rancourt, P.H.J. Mercier, D.J. Cherniak, S. Desgreniers, J.-L. Robert and E. Murad), Mechanisms and Crystal Growth Chemistry of Oxidation in Annite: Resolving the Hydrogen-Loss and Vacancy Reactions 455
Kogure, Toshihiro (with Jiří Hybler and Slavomil Ďurovič), A HRTEM Study of Cronstedtite: Determination of Polytypes and Layer Polarity in Trioctahedral 1:1 Phyllosilicates 310
Komadel, Peter (with Jana Madejová), Baseline Studies of the Clay Minerals Society Source Clays: Infrared Methods 410
Komadel, Peter (with Juraj Bujdák, Marián Janek and Jana Madejová), Methylene Blue Interactions with Reduced-Charge Smectites 244
Korea (Kübler Illite Crystallinity Index of the Cretaceous Gyeongsang Basin) 36
Koster van Groos, A.F. (with Stephen Guggenheim), Baseline Studies of the Clay Minerals Society Source Clays: Thermal Analysis 433
Kübler Illite "Crystallinity" Index of the Cretaceous Gyeongsang Basin, Korea: Implications for Basin Evolution by Jae Il Lee and Yong Il Lee, 36
Kübler, B. (with M. Jaboyedoff, F. Bussy and Ph. Thelin), Illite "Crystallinity" Revisited 156
Kuwahara, Yoshihiro (with Seiichiro Uehara and Yoshikazu Aoki), Atomic Force Microscopy Study of Hydrothermal Illite in Izumiya Pottery Stone from Arita, Saga Prefecture, Japan 300

L

Lagaly, G. (with Ahmet R. Mermut), Baseline Studies of the Clay Minerals Society Source Clays: Layer-Charge Determination and Characteristics of Those Minerals Containing 2:1 Layers 393
Lalithambika, M. (with C.S. Manju and V. Narayanan Nair), Mineralogy, Geochemistry and Utilization Study of The Madayi Kaolin Deposit, North Kerala, India 355
Layer-Charge
(Determination and Characteristics of Those Minerals of the Clay Minerals Society Source Clays Containing 2:1 Layers) 393
(Reduction) 244
Layer Polarity 310
Lee, Jae Il (with Yong Il Lee), Kübler Illite "Crystallinity" Index of the Cretaceous Gyeongsang Basin, Korea: Implications for Basin Evolution 36
Lee, Yong Il (with Jae Il Lee), Kübler Illite "Crystallinity" Index of the Cretaceous Gyeongsang Basin, Korea: Implications for Basin Evolution 36
Lewis, Susan A. (with Jessica Elzea Kogel), Baseline Studies of the Clay Minerals Society Source Clays: Chemical Analysis by Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS) 387
Lin, Jar-Shyong (with Chao Shang and James A. Rice), Thickness and Surface Characteristics of Colloidal 2:1 Aluminosilicates Using an Indirect Fourier Transform of Small-Angle X-ray Scattering Data 277
Lizardite 92
Long-Period Polytypes 1
Low-Grade Metamorphism 36

M

Madejová, Jana (with Juraj Bujdák, Marián Janek, and Peter Komadel), Methylene Blue Interactions with Reduced-Charge Smectites 244
Madejová, Jana (with Peter Komadel), Baseline Studies of the Clay Minerals Society Source Clays: Infrared Methods 410
Manju, C.S. (with V. Narayanan Nair and M. Lalithambika), Mineralogy, Geochemistry and Utilization Study of The Madayi Kaolin Deposit, North Kerala, India 355
MANOVA-Biplot 227
Manunza, Bruno (with Marco Pintore, Salvatore Deiana, Pierfranco Demontis, Giuseppe Baldovino Suffritti and Carlo Gessa) Simulations of Interlayer Methanol in Ca- and Na-Saturated Montmorillonites Using Molecular Dynamics 255
Marine Sediments 109
Marls 514
Mass Spectrometry 455
Masuda, Harue (with Donald R. Peacor and Hailiang Dong), Transmission Electron Microscopy Study

https://doi.org/10.1346/CCMN.2001.0490611 Published online by Cambridge University Press

of Conversion of Smectite to Illite in Mudstone of the Nankai Trough: Contrast with Coeval Bentonites 109
Mata, M.P. (with G. Giorgetti, P. Árkai and Donald R. Peacor), Comparison of Evolution of Trioctahedral Chlorite/Berthierine/Smectite in Coeval Metabasites and Metapelites from Diagenetic to Epizonal Grades 318
Mauk, Jeffrey L. (with Donald R. Peacor and David A. Tillick), Genesis of Dioctahedral Phyllosilicates during Hydrothermal Alteration of Volcanic Rocks: I. The Golden Cross Epithermal Ore Deposit, New Zealand 126
McCarty, Douglas (with Robert C. Reynolds, Jr.), Three-Dimensional Crystal Structures of Illite-Smectite Minerals in the Paleozoic K-bentonites from the Appalachian Basin 24
McCarty, Douglas K. (with Jan Środoń, Victor A. Drits, Jean C.C. Hsieh and Dennis D. Eberl), Quantitative X-ray Analysis of Clay Bearing Rocks from Random Preparations 514
Mechanisms and Crystal Growth Chemistry of Oxidation in Annite: Resolving the Hydrogen-Loss and Vacancy Reactions by D. G. Rancourt, P.H.J. Mercier, D.J. Cherniak, S. Desgreniers, H. Kodama, J.-L. Robert and E. Murad 455
Mercier, P.H.J. (with D.G Rancourt, D.J. Cherniak, S. Desgreniers, H. Kodama, J.-L. Robert and E. Murad), Mechanisms and Crystal Growth Chemistry of Oxidation in Annite: Resolving the Hydrogen-Loss and Vacancy Reactions 455
Mermut, Ahmet R. (with Angel Faz Cano), Baseline Studies of the Clay Minerals Society Source Clays: Chemical Analyses of the Major Elements 381
Mermut, Ahmet R. (with G. Lagaly), Baseline Studies of the Clay Minerals Society Source Clays: Layer-Charge Determination and Characteristics of Those Minerals Containing 2:1 Layers 393
Metagabbro 81
Metal Substitution 60
Metamorphism (Low-Grade) 36
Methanol 255
Methylene Blue 244
Methylene Blue Dimerization Does Not Interfere in Surface-Area Measurements of Kaolinite and Soils by Marcelo, J. Avena, Laura E. Valenti, Valeria Pfaffen and Carlos P. De Pauli 168
Methylene Blue Interactions with Reduced-Charge Smectites by Juraj Bujdák, Marián Janek, Jana Madejová and Peter Komadel 244
Meunier, Alain (with Norberto Dani, Milton Luiz Laquintinie Formoso and Alain Decarreau), Nordstrandite in Bauxite Derived from Phonolite, Lages, Santa Catarina, Brazil 216
Mica 1, 500
Mica Structure and Fibrous Growth of Illite by Necip Güven 189
Michaelian, K.H. (with S. Shoval, S. Yariv, M. Boudeulle and G. Panczer), Hydroxyl-Stretching Bands in Curve-Fitted Micro-Raman Photoacoustic and Transmission Infrared Spectra of Dickite from St. Claire, Pennsylvania 347
Microbes 292
Micromorphology 292
Microstructure 292
Microtextures and the Origin of Muscovite-Kaolinite Intergrowths in the Sandstones of the Utrillas Formation, Basque Cantabrian Basin, Spain by Javier Arostegui, María Jesús Irabien, Fernando Nieto, Javier Sangüesa and María Cruz Zuluaga 529
Microtopography 300
Mineral Weathering 81
Mineralogy of Dickite and Nacrite from Northern Taiwan by Pei Yuan Chen, Ming Kuang Wang and Deng Shiu Wang 586
Mineralogy, Geochemistry and Utilization Study of The Madayi Kaolin Deposit, North Kerala, India by C.S. Manju, V. Narayanan Nair and M. Lalithambika 355
Mixed-Layer I-S 109
Molecular Dynamics 255
Molina, C.B. (with J.L. Valverde, P. Cañizares and M.R. Sun Kou), Reply to the Comment by J.T. Kloprogge, J.A. Rob van Veen, E. Booij and Ray L. Frost on "Enhanced Thermal Stability of Al-Pillared Smectites Modified with Ce and La" 186
Moll, William F., Jr., Baseline Studies of the Clay Minerals Society Source Clays: Geological Origin 374
Montmorillonite 119, 204, 244, 255, 277
Mordenite 204
Morphology
(Determination of Polytypes and Layer Polarity in Trioctahedral 1:1 Phyllosilicates) 310
(of Hydrothermal Illite in Izumiya Pottery Stone) 300
(of Kaolinite) 44
(of the Madayi Kaolin Deposit, North Kerala, India) 355
Murad, E. (with D.G Rancourt, P.H.J. Mercier, D.J. Cherniak, S. Desgreniers, H. Kodama and J.-L. Robert), Mechanisms and Crystal Growth Chemistry of Oxidation in Annite: Resolving the Hydrogen-Loss and Vacancy Reactions 455
Muscovite 500
Muscovite-kaolinite Intergrowth 529

N

Nacrite 586

https://doi.org/10.1346/CCMN.2001.0490611 Published online by Cambridge University Press

Nankai Trough (Conversion of Smectite to Illite in Mudstone from) 109
NaOH Solution 92
Narayanan Nair, V. (with C.S. Manju and M. Lalithambika), Mineralogy, Geochemistry and Utilization Study of The Madayi Kaolin Deposit, North Kerala, India 355
Na-rich Montmorillonite 286
Neoformation (of Phyllosilicates) 126
Nespolo, Massimo, Perturbative Theory of Mica Poytypism. Role of the M2 Layer in the Formation of Inhomogenous Polytypes 1
Nieto, F. (with A Drief and A. Sanchez-Navas), Experimental Clay-Mineral Formation from a Subvolcanic Rock by Interaction with 1 M NaOH Solution at Room Temperature 92
Nieto, Fernando (with Javier Arostegui, María Jesús Irabien, Javier Sangüesa and María Cruz Zuluaga), Microtextures and the Origin of Muscovite-Kaolinite Intergrowths in the Sandstones of the Utrillas Formation, Basque Cantabrian Basin, Spain 529
Niigata Basin (Dioctahedral and Trioctahedral Smectites from) 333
Nomenclature (of Phyllosilicates) 492
Nontronite 292
Nordstrandite in Bauxite Derived from Phonolite, Lages, Santa Catarina, Brazil by Norberto Dani, Milton Luiz Laquintinie Formoso, Alain Decarreau and Alain Meunier 216
Nuclear Reaction Analysis 455

O

Open System (Formation and Growth of Smectites in Bentonites) 204
Organic Coating 119
Ornamental Stones 227

P

Panczer, G. (with S. Shoval, S. Yariv, K.H. Michaelian and M. Boudeulle), Hydroxyl-Stretching bands in Curve-Fitted Micro-Raman Photoacoustic and Transmission Infrared Spectra of Dickite from St. Claire, Pennsylvania 347
Paraná Basin (Nordstrandite in Bauxite from) 216
Particle-Size Distribution 204
Peacor, Donald R. (with David A. Tillick and Jeffrey L. Mauk), Genesis of Dioctahedral Phyllosilicates during Hydrothermal Alteration of Volcanic Rocks: I. The Golden Cross Epithermal Ore Deposit, New Zealand 126
Peacor, Donald R. (with Harue Masuda and Hailiang Dong), Transmission Electron Microscopy Study of Conversion of Smectite to Illite in Mudstone of the Nankai Trough: Contrast with Coeval Bentonites 109
Peacor, Donald R. (with M.P. Mata, G. Giorgetti and P. Árkai), Comparison of Evolution of Trioctahedral Chlorite/Berthierine/Smectite in Coeval Metabasites and Metapelites from Diagenetic to Epizonal Grades 318
Peacor, Donald R. (with Yonghong Yan, David A. Tillick, and Stuart F. Simmons), Genesis of Dioctahedral Phyllosilicates during Hydrothermal Alteration of Volcanic Rocks: II. The Broadlands-Ohaaki Hydrothermal System, New Zealand 141
Perturbative Theory of Mica Poytypism. Role of the M2 Layer in the Formation of Inhomogenous Polytypes by Massimo Nespolo 1
Petit, S. (with A. Wiewióra, P. Giresse and A. Wilamowski), A Deep-Water Glauconitization Process on the Ivory Coast–Ghana Marginal Ridge (ODP Site 959): Determination of Fe^{3+}-rich Montmorillonite in Green Grains 540
Pfaffen, Valeria (with Marcelo J. Avena, Laura E. Valenti and Carlos P. De Pauli), Methylene Blue Dimerization Does Not Interfere in Surface-Area Measurements of Kaolinite and Soils 168
Phlogopite 81
Phonolite 216
Phosphate 270
Phyllosilicates 492
Pillaring of clays 183, 186
Pintore, Marco (with Salvatore Deiana, Pierfranco Demontis, Bruno Manunza, Giuseppe Baldovino Suffritti and Carlo Gessa), Simulations of Interlayer Methanol in Ca- and Na-Saturated Montmorillonites Using Molecular Dynamics 255
Pleistocene 540
Point-of-Zero Charge 73
Polytype 24, 300, 310
Polytypism, 1, 141
Portugal (Kaolinite to Halloysite-7 Å Transformation in the Kaolin Deposit of São Vicente de Pereira) 596
Possible Role of Microbial Polysaccharides in Nontronite Formation by Masato Ueshima and Kazue Tazaki 292
Poultices (Clay Poultices in Salt Extraction from Ornamental Stones) 227
Powder X-ray Diffraction Analyses of the Clay Minerals Society Source Clays 398
Pozzi, Paolo (with Carmen Galassi and Anna Luisa Costa), Influence of Ionic Environment and pH on the Electrokinetic Properties of Ball Clays 263
Properties and Acid Dissolution of Metal-Substituted Hematites by M.A. Wells, Robert J. Gilkes and R.W. Fitzpatrick 60

Q

Quantitative X-ray Analysis of Clay Bearing Rocks from Random Preparations by Jan Środoń, Vic-

https://doi.org/10.1346/CCMN.2001.0490611 Published online by Cambridge University Press

tor A. Drits, Douglas K. McCarty, Jean C.C. Hsieh and Dennis D. Eberl 514

R

Rancourt, D.G. (with P.H.J. Mercier, D.J. Cherniak, S. Desgreniers, H. Kodama, J.-L. Robert and E. Murad), Mechanisms and Crystal Growth Chemistry of Oxidation in Annite: Resolving the Hydrogen-Loss and Vacancy Reactions 455

Random Ripening 204

Reply to the Comment by J.T. Kloprogge, J.A. Rob van Veen, E. Booij and Ray L. Frost on "Enhanced Thermal Stability of Al-Pillared Smectites Modified with Ce and La" by J.L. Valverde, P. Cañizares, M.R. Sun Kou and C.B. Molina 186

Residual Kaolinite 355

Reynolds, Robert C., Jr. (with Douglas K. McCarty), Three-Dimensional Crystal Structures of Illite-Smectite Minerals in the Paleozoic K-bentonites from the Appalachian Basin 24

Rheology of Na-Rich Montmorillonite Suspension as Affected by Electrolyte Concentration and Shear Rate by Hadar Heller and Rami Keren 286

Rice, James A. (with Chao Shang and Jar-Shyong Lin), Thickness and Surface Characteristics of Colloidal 2:1 Aluminosilicates using an Indirect Fourier Transform of

Small-Angle X-ray Scattering Data 277

Rob van Veen, J.A. (with J. Theo Kloprogge, E. Booij and Ray L. Frost), Comments on "Enhanced Thermal Stability of Al-Pillared Smectites Modified with Ce and La" by J.L. Valverde, P. Cañizares, M.R. Sun Kou and C.B. Molina 183

Robert, J.-L. (with D.G Rancourt, P.H.J. Mercier, D.J. Cherniak, S. Desgreniers, H. Kodama, and E. Murad), Mechanisms and Crystal Growth Chemistry of Oxidation in Annite: Resolving the Hydrogen-Loss and Vacancy Reactions 455

Rocha, João (with Iuliu Bobos, Joelle Duplay and Celso Gomes), Kaolinite to Halloysite-7 Å Transformation in the Kaolin Deposit of São Vicente de Pereira 596

Rolling and Folding 596

Rosso, Kevin M. (with James R. Rustad and Eric J. Bylaska), The Cs/K Exchange in Muscovite Interlayers: An *Ab Initio* Treatment 500

Rotational Disorder (Illite-Smectite) 24

Rustad, James R. (with Kevin M. Rosso and Eric J. Bylaska) The Cs/K Exchange in Muscovite Interlayers: An *Ab Initio* Treatment 500

S

Sakharov, Boris A. (with Elżbieta Dubińska, Paweł Bylina and Grzegorz Kaprón), Unusual X-ray Characteristics of Vermiculite from Wiry, Lower Silesia, Poland 197

Salts (Clay Poultices in Salt Extraction from Ornamental Stones) 227

Sanchez-Navas, A. (with A. Drief and F. Nieto), Experimental Clay-Mineral Formation from a Subvolcanic Rock by Interaction with 1 M NaOH Solution at Room Temperature 92

Sandí, Giselle (with Kang Song), Characterization of Montmorillonite Surfaces after Modification by Organosilane 119

Sangüesa, Javier (with Javier Arostegui, María Jesús Irabien, Fernando Nieto and María Cruz Zuluaga), Microtextures and the Origin of Muscovite-Kaolinite Intergrowths in the Sandstones of the Utrillas Formation, Basque Cantabrian Basin, Spain 529

Saponite 333

Saprolite 44

SAXS 277

SEM 455, 529

SEDEX 559

Sepiolite 227

Shales 109, 514

Shang, Chao (with James A. Rice and Jar-Shyong Lin), Thickness and Surface Characteristics of Colloidal 2:1 Aluminosilicates Using an Indirect Fourier Transform of Small-Angle X-ray Scattering Data 277

Shoval, S. (with S. Yariv, K.H. Michaelian, M. Boudeulle and G. Panczer), Hydroxyl-Stretching Bands in Curve-Fitted Micro-Raman Photoacoustic and Transmission Infrared Spectra of Dickite from St. Claire, Pennsylvania 347

Siderite 559

Silane 119

Simmons, Stuart F. (with Yonghong Yan, David A. Tillick and Donald R. Peacor), Genesis of Dioctahedral Phyllosilicates during Hydrothermal Alteration of Volcanic Rocks: I. The Golden Cross Epithermal Ore Deposit, New Zealand 126

Simulations of Interlayer Methanol in Ca and Na-Saturated Montmorillonites Using Molecular Dynamics by Marco Pintore, Salvatore Deiana, Pierfranco Demontis, Bruno Manunza, Giuseppe Baldovino Suffritti and Carlo Gessa 255

Singer, Arieh (with Nurit Taitel-Goldman), HRTEM Study of Newly Formed Sediments in the Atlantis II Deep, Red Sea 174

Smectite 92, 126, 244

Soil 44

Son Byeong-Kook (with Takahisa Yoshimura and Hikaru Fukasawa), Diagenesis of Dioctahedral and Trioctahedral Smectites from Alternating Beds in Miocene to Pleistocene Rocks of the Niigata Basin, Japan 333

https://doi.org/10.1346/CCMN.2001.0490611 Published online by Cambridge University Press

Song, Kang (with Giselle Sandí), Characterization of Montmorillonite Surfaces after Modification by Organosilane 119
Source Clays of the Clay Minerals Society
(Cation Exchange Capacity Measurements by the Ammonia-Electrode Method) 444
(Chemical Analyses of the Major Elements) 381
(Chemical Analysis by Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)) 387
(Colloid and Surface Phenomena) 446
(Geological Origin) 374
(Infrared Methods) 410
(Introduction) 372
(Layer-Charge Determination and Characteristics of those Minerals Containing 2:1 Layers) 393
(Powder X-ray Diffraction Analyses) 398
(Preface) 371
(Thermal Analysis) 433
Specific Surface Area 168
Spiral Growth 300
Środoń, Jan (with Victor A. Drits, Douglas K. McCarty, Jean C.C. Hsieh and Dennis D. Eberl), Quantitative X-ray Analysis of Clay-Bearing Rocks from Random Preparations 514
Stacking Disorder 310
Structural Properties 263
Suffritti, Giuseppe Baldovino (with Marco Pintore, Salvatore Deiana, Pierfranco Demontis, Bruno Manunza and Carlo Gessa) Simulations of Interlayer Methanol in Ca- and Na-Saturated Montmorillonites Using Molecular Dynamics 255
Sun Kou, M.R. (with J.L. Valverde, P. Cañizares and C.B. Molina), Reply to the Comment by J.T. Kloprogge, J.A. Rob van Veen, E. Booij and Ray L. Frost on "Enhanced Thermal Stability of Al-Pillared Smectites Modified with Ce and La" 186
Surface Charge 263
Surface Modification 119
Surface Reaction Control 596

T

Taitel-Goldman, Nurit (with Arieh Singer), High-Resolution Transmission Electron Microscopy Study of Newly Formed Sediments in the Atlantis II Deep, Red Sea, 174
Taiwan (Mineralogy of Dickite and Nacrite from Northern) 586
Tazaki, Kazue (with Masato Ueshima), Possible Role of Microbial Polysaccharides in Nontronite Formation 292
Technological Evaluation (Mineralogy, Geochemistry and Utilization Study of The Madayi Kaolin Deposit, North Kerala, India) 355
TEM 126, 141
The Cs/K Exchange in Muscovite Interlayers: An *Ab Initio* Treatment by Kevin M. Rosso, James R. Rustad and Eric J. Bylaska 500
The Relationship between the Thermal Behavior of Clinoptilolite and its Chemical Composition by Konstantinos P. Kitsopoulos 236
The Relationships between Kaolinite Crystal Properties and the Origin of Materials for a Brazilian Kaolin Deposit by Angélica F. Drummond Varajão, Robert J. Gilkes and Robert D. Hart 44
The Surface Chemistry of Imogolite by Jon Petter Gustafsson 73
Thelin, Ph. (with M. Jaboyedoff, F. Bussy and B. Kübler), Illite "Crystallinity" Revisited 156
Thermal Analysis of the Source Clays of the Clay Minerals Society 433
Thermogravimetric Analysis 455
Thickness (of 2:1 aluminosilicates) 277
Thickness and Surface Characteristics of Colloidal 2:1 Aluminosilicates using an Indirect Fourier Transform of Small-Angle X-ray Scattering Data by Chao Shang, James A. Rice and Jar-Shyong Lin 277
Three-Dimensional Crystal Structures of Illite-Smectite Minerals in the Paleozoic K-bentonites from the Appalachian Basin by Douglas K. McCarty and Robert C. Reynolds, Jr. 24
Tillick, David A. (with Donald R. Peacor and Jeffrey L. Mauk), Genesis of Dioctahedral Phyllosilicates during Hydrothermal Alteration of Volcanic Rocks: I. The Golden Cross Epithermal Ore Deposit, New Zealand 126
Tillick, David A. (with Yonghong Yan, Donald R. Peacor and Stuart F. Simmons), Genesis of Dioctahedral Phyllosilicates during Hydrothermal Alteration of Volcanic Rocks: II. The Broadlands-Ohaaki Hydrothermal System, New Zealand 141
Timing (Origin of Muscovite-Kaolinite Intergrowths in the Sandstones of the Utrillas Formation, Basque Cantabrian Basin) 529
Toksoy-Köksal, Fatma (with Asuman G. Türkmenoğlu and M. Cemal Göncüoğlu), Vermiculitization of Phlogopite in Metagabbro, Central Turkey 81
Trace Elements 355
Transmission Electron Microscopy Study of Conversion of Smectite to Illite in Mudstone of the Nankai Trough: Contrast with Coeval Bentonites by Harue Masuda, Donald R. Peacor and Hailiang Dong 109
Trioctahedral 1:1 Phyllosilicates 310
Tsipursky, Simon J., Distinguished Member Award to Victor A. Drits, 107
Türkmenoğlu, Asuman G. (with Fatma Toksoy-Köksal and M. Cemal Göncüoğlu), Vermiculitization of Phlogopite in Metagabbro, Central Turkey 81

https://doi.org/10.1346/CCMN.2001.0490611 Published online by Cambridge University Press

U

Uehara, Seiichiro (with Yoshihiro Kuwahara and Yoshikazu Aoki), Atomic Force Microscopy Study of Hydrothermal Illite in Izumiya Pottery Stone from Arita, Saga Prefecture, Japan 300

Ueshima, Masato (with Kazue Tazaki), Possible Role of Microbial Polysaccharides in Nontronite Formation 292

Unusual X-ray Characteristics of Vermiculite from Wiry, Lower Silesia, Poland by Boris A. Sakharov, Elżbieta Dubińska, Paweł Bylina and Grzegorz Kaprón 197

V

Valenti, Laura E. (with Marcelo J. Avena, Valeria Pfaffen and Carlos P. De Pauli), Methylene Blue Dimerization Does Not Interfere in Surface-Area Measurements of Kaolinite and Soils 168

Valverde, J.L. (with P. Cañizares, M.R. Sun Kou and C.B. Molina), Reply to the Comment by J.T. Kloprogge, J.A. Rob van Veen, E. Booij and Ray L. Frost on "Enhanced Thermal Stability of Al-Pillared Smectites Modified with Ce and La" 186

Varajão, Angélica F. Drummond (with Robert J. Gilkes and Robert D. Hart), The Relationships between Kaolinite Crystal Properties and the Origin of Materials for a Brazilian Kaolin Deposit 44

Vassileva, Margarita (with Ahelyazko Damyanov), Authigenic Phyllosilicates in the Middle Triassic Kremikovsti Sedimentary Exhalative Siderite Iron Formation, Western Balkan 559

Vermiculite 81, 197

Vermiculitization of Phlogopite in Metagabbro, Central Turkey by Fatma Toksoy-Köksal, Asuman G. Türkmenoğlu and M. Cemal Göncüoğlu 81

Vicente Tavera, Santiago (with Maria Angeles Vicente), Clay Poultices in Salt Extraction from Ornamental Stones: A Statistical Approach, 227

Vicente, Maria Angeles (with Santiago Vicente-Tavera), Clay Poultices in Salt Extraction from Ornamental Stones: A Statistical Approach 227

Volcanic Rocks 126

W

Wang, Deng Shiu (with Pei Yuan Chen and Ming Kuang Wang), Mineralogy of Dickite and Nacrite from Northern Taiwan 586

Wang, Ming Kuang (with Pei Yuan Chen and Deng Shiu Wang), Mineralogy of Dickite and Nacrite from Northern Taiwan

Weathering (Nordstrandite in Bauxite Derived from Phonolite, Lages, Santa Catarina, Brazil) 216

Weathering of Stone 227

Wells, M.A. (with Robert J. Gilkes and R.W. Fitzpatrick), Properties and Acid Dissolution of Metal-Substituted Hematites 60

Wiewióra, A. (with P. Giresse, S. Petit and A. Wilamowski), A Deep-Water Glauconitization Process on the Ivory Coast–Ghana Marginal Ridge (ODP Site 959): Determination of Fe^{3+}-rich Montmorillonite in Green Grains 540

Wilamowski, A. (with A. Wiewióra, P. Giresse and S. Petit), A Deep-Water Glauconitization Process on the Ivory Coast–Ghana Marginal Ridge (ODP Site 959): Determination of Fe^{3+}-rich Montmorillonite in Green Grains 540

Wu, Wenju, Baseline Studies of the Clay Minerals Society Source Clays: Colloid and Surface Phenomena 446

X

XRD 514
(Characteristics of Vermiculite) 197
(of Illite-Smectite) 24
(of Kaolinite) 44

XRF Spectroscopy 455

Y

Yan, Yonghong (with David A. Tillick, Donald R. Peacor and Stuart F. Simmons), Genesis of Dioctahedral Phyllosilicates during Hydrothermal Alteration of Volcanic Rocks: II. The Broadlands-Ohaaki Hydrothermal System, New Zealand 141

Yariv, S. (with S. Shoval, K.H. Michaelian, M. Boudeulle and G. Panczer), Hydroxyl-Stretching Bands in Curve-Fitted Micro-Raman Photoacoustic and Transmission Infrared Spectra of Dickite from St. Claire, Pennsylvania 347

Yoshimura, Takahisa (with Byeong-Kook Son and Hikaru Fukasawa), Diagenesis of Dioctahedral and Trioctahedral Smectites from Alternating Beds in Miocene to Pleistocene Rocks of the Niigata Basin, Japan 333

Z

Zeolites 236

Zuluaga, María Cruz (with Javier Arostegui, María Jesús Irabien, Fernando Nieto and Javier Sangüesa), Microtextures and the Origin of Muscovite-Kaolinite Intergrowths in the Sandstones of the Utrillas Formation, Basque Cantabrian Basin, Spain 529

Zvyagin, B.B., Current Problems with Nomenclature of Phyllosilicates 492

https://doi.org/10.1346/CCMN.2001.0490611 Published online by Cambridge University Press