# Mineralogia

## Mineralogia Cornubiensis

This is a reproduction of a book published before 1923. This book may have occasional imperfections such as missing or blurred pages, poor pictures, errant marks, etc. that were either part of the original artifact, or were introduced by the scanning process. We believe this work is culturally important, and despite the imperfections, have elected to bring it back into print as part of our continuing commitment to the preservation of printed works worldwide. We appreciate your understanding of the imperfections in the preservation process, and hope you enjoy this valuable book.

#### Mineralogia Cornubiensis

Reproduction of the original: Mineralogia Polyglotta by Chr. Keferstein

## Mineralogia polyglotta

This work has been selected by scholars as being culturally important, and is part of the knowledge base of civilization as we know it. This work is in the \"public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

## Mineralogia Cornubiensis

CONTENTS Angelo De Min, Francesco Princivalle and Davide Lenaz Geochemistry of the Late Mesozoic -Early Cenozoic turbidites from the NE part of the Adria microplate Bogdan Constantinescu, Daniela Cristea-Stan, Imre Kovács and Zoltan Sz?kefalvi-Nagy External milli-beam PIXE analysis of the mineral pigments of glazed Iznik (Turkey) ceramics Somayeh Noghani and Mohammadamin Emami Mineralogical Phase Transition on Sandwich-like Structure of Clinky Pottery from Parthian Period, Iran Mauro Francesco La Russa, Silvestro Antonio Ruffolo, Natalia Rovella, Cristina Maria Belfiore, Paola Pogliani, Claudia Pelosi, Maria Andaloro and Gino Mirocle Crisci Cappadocian ignimbrite cave churches: stone degradation and conservation strategies Valeria Diella, Ilaria Adamo and Rosangela Bocchio Gem-quality rhodonite from Val Malenco (Central Alps, Italy) Luisa De Capitani, Giovanni Grieco, Silvia Porro, Elena Ferrari, Enrica Roccotiello and Pietro Marescotti Potentially toxic element contamination in waste rocks, soils and wild flora at the Ro?ia Montan? mining area (Romania) Davide Lenaz, Giovanni B. Andreozzi, Maibam Bidyananda and Francesco Princivalle Oxidation degree of chromite from Indian ophiolites: a crystal chemical and 57Fe Mössbauer study Gaetano Ortolano, Roberto Visalli, Rosolino Cirrincione and Gisella Rebay PT-path reconstruction via unraveling of peculiar zoning pattern in atoll shaped garnets via image assisted analysis: An example from the Santa Lucia de Mela garnet micaschists (northeastern Sicily-Italy)

## Mineralogia ... The second edition

Excerpt from Mineralogia Cornubiensis; A Treatise on Minerals, Mines, and Mining: Containing the Theory and Natural History of Strata, Fissures, and Lodes Minerals that are plenty and precious being generally confined to fmall tracts of country and a'barren foil, are therefore remote from that publick obfervation which

commerce and agriculture fo defervedly attract: yet it is a matter of aflonifhment, that an object of the firfi national confequence, in point of time, fhould fo long remain, even to the prefent hour, a fecret limited to a few illiterate people. It is well known, that Tin and Lead were the fir? and grandeit fiaples of great-britain, particularly the former, which introduced a trade and navigation before unknown to the difcoverers of our weftern coafis. This trade founded on Mining liill fubfifis, with many practical im provements and difcoveries and though corn and wool 'have contributed the largefi {hare of riches and population to thefe ?ourifying kingdoms, yet that confideration 'does not by any means leifen the importance of the Mining interef't. When we re?ect Upon the vail profufion of Silver, Tin, Copper, Lead, Iron, and Coal, yearly produced from the bowels 0 'our Mines, which exceedingly furpaifes our internal confumfption, and there fore mull afford a very confiderable branch o commerce; we {hall find it difficult to account for that fupinenefs, which has hitherto declined the inveiligation of a fubjecft of Io much na tional importance. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.

#### Mineralogical Application on Environments, Archeometry and Cultural Heritage

CONTENTS Omar Bartoli, Antonio Acosta-Vigil and Bernardo Cesare High-temperature metamorphism and crustal melting: working with melt inclusions Igor M. Villa 39Ar-40Ar geochronology of mono- and polymetamorphic basements Antonio Langone and Massimo Tiepolo U-Th-Pb "multi-phase" approach to the study of crystalline basement: application to the northernmost sector of the Ivrea-Verbano Zone (Alps) Gabriele Cruciani, Chiara Montomoli, Rodolfo Carosi, Marcello Franceschelli and Mariano Puxeddu Continental collision from two perspectives: a review of Variscan metamorphism and deformation in northern Sardinia Rosolino Cirrincione, Eugenio Fazio, Patrizia Fiannacca, Gaetano Ortolano, Antonino Pezzino and Rosalda Punturo The Calabria-Peloritani Orogen, a composite terrane in Central Mediterranean; its overall architecture and geodynamic significance for a pre-Alpine scenario around the Tethyan basin Gisella Rebay, Maria Pia Riccardi and Maria Iole Spalla Fluid rock interactions as recorded by Cl-rich amphiboles from continental and oceanic crust of italian orogenic belts Guido Gosso, Gisella Rebay, Manuel Roda, Maria Iole Spalla, Massimo Tarallo, Davide Zanoni and Michele Zucali Taking advantage of petrostructural heterogeneities in subduction-collisional orogens, and effect on the scale of analysis

#### Mineralogia Cornubiensis

Rome is proud to host the eighth edition of the European Conference on Mineralogy and Spectroscopy (ECMS 2015). This is a welcome back, after the starting point of this conference cycle in Rome (1988) and following editions held in Berlin (1995), Kiev (1996), Paris (2001), Vienna (2004), Stockholm (2007) and Potsdam (2011). The Rome 2015 conference will hopefully reflect the philosophy of previous conferences and provide a common forum to present new ideas, concepts and results related to mineral spectroscopy. It will also offer an opportunity for students and young scientists to meet and interact with established, well-known scientists. The conference deals with mineralogy, spectroscopy and related fields of science, bringing together both theoretically and experimentally oriented scientists and providing an opportunity to share ideas and learn from one another. The ECMS 2015 is housed in the headquarters of the National Research Council, and consists of three days of oral presentations and two days of poster sessions. Keynote lectures will be presented by Frank C. Hawthorne, Laurence Galoisy, Robert D. Shannon, Giancarlo Della Ventura, Bjorn Winkler and Catherine McCammon. This volume is the joint effort of all conference participants largely coming from Europe, but also from America, Asia and Australia. It contains 100 contributions, many of which present experimental results and applications based on new or well-established analytical techniques, while others highlight theoretical and computational approaches to our better understanding of short-range

and long-range structures of minerals and materials. We are very grateful for the constant support of Francesco Di Benedetto (publicity chair), Sabrina Nazzareni (treasurer) and our scientific advisory board: Danilo Bersani, Giuseppe Cruciani, Michele Dondi, Ulf Hålenius, Monika Koch-Müller, Roberta Oberti, Henrik Skogby and Sergio Speziale. Without the generous sponsoring from the Società Italiana di Mineralogia e Petrologia (SIMP), Italian National Research Council (CNR) and Periodico di Mineralogia and the support of Sapienza Università di Roma, it would have been very difficult to organize this meeting and this volume. We also appreciate the sponsorship and scholarship grant from the European Mineralogical Union (EMU) and the International Union of Crystallography (IUCr), and contributions from private companies (Bruker, Geologica, Gemmoraman, Masterstones, PANalytical). Thanking all participants for coming in the Eternal City, we wish you all a stimulating, informative and enjoyable conference and offer a sincere welcome to the ECMS 2015. Giovanni B. Andreozzi and Ferdinando Bosi Co-chairmen On behalf of the Organizing Committee

## Mineralogia Polyglotta

Cristian Biagioni, Elena Bonaccorsi, Yves Moëlo and Paolo Orlandi Mercury-arsenic sulfosalts from the Apuan Alps (Tuscany, Italy). III. Aktashite, Cu6Hg3As4S12, and laffittite, AgHgAsS3, from the Monte Arsiccio mine: occurrence and crystal structure Gabriele Cruciani, Dario Fancello, Marcello Franceschelli, Massimo Scodina and Maria Elena Spano Geothermobarometry of Al-silicate-bearing migmatites from the Variscan chain of NE Sardinia, Italy: a P-T pseudosection approach Paolo Ballirano Dependence of structural data from sin?/? extension in Rietveld refinement of virtually texture-free laboratory X-ray powderdiffraction data Kamal Siahcheshm, Ali Asghar Calagari, Ali Abedini and Sven Sindern Elemental mobility and mass changes during alteration in the Maher-Abad porphyry Cu–Au deposit, SW Birjand, Eastern Iran Ozlem Akgul, Nil Baran Acarali, Nurcan Tugrul, Emek Moroydor Derun and Sabriye Piskin X-Ray, Thermal, FT-IR and morphological studies of zinc borate in presence of boric acid synthesized by ulexite Giuseppe Montana, Luciana Randazzo, Cristina Maria Belfiore, Mauro Francesco La Russa, Silvestro Antonio Ruffolo, Anna Maria De Francesco, Antonino Pezzino, Rosalda Punturo and Vincenzo Di Stefano An original experimental approach to study the alteration and/or contamination of archaeological ceramics originated by seawater burial Shanke Liu, He Li and Jianming Liu Reliability of the structural data for calcite and dolomite extracted from X- ray powder diffraction by Rietveld refinement

#### Mineralogia Cornubiensis

Bejaoui, Bouhlel, Barca, Geology, Mineralogy and Fluid inclusions investigation of the Fluorite deposit at Jebel Kohol, northeastern Tunisia Bracco, Brajkovic, Comotti, Rolandi, Characterization of Elephant and Mammoth Ivory by Solid State NMR Caucia, Marinoni, Leone, Adamo, Investigation on the gemological, physical and compositional properties of some opals from Slovakia Fazlnia, Alizade, Petrology and geochemistry of the Mamakan gabbroic intrusions, Urumieh (Urmia), Iran: Magmatic development of an intra-oceanic arc Fulignati, Kamenetsky, Marianelli, Sbrana, PIXE mapping on multiphase fluid inclusions in endoskarn xenoliths of AD 472 eruption of Vesuvius Gualtieri, Giacobbe, Rinaudo, Croce, Allegrina, Gaudino, Yang, Carbone, Preliminary results of the spectroscopic and structural characterization of mesothelioma inducing crocidolite fibers injected in mice Barone, Bruno, Giuffrida, Mazzoleni, Raneri, Archaeometric investigation of a Late Roman marble statue from Kaucana (RG) with considerations on the diffusion of Thasos marble in Sicily Castorina, Masi, REY and Sr-Nd isotopic ratios of acqua regia extracts to assess pedogenic processes and pollution in soils from Ravenna

## Mineralogia Groenlandica

Raffaella De Luca, Miguel Angel Cau Ontiveros, Domenico Miriello, Alessandra Pecci, Emilia Le Pera, Andrea Bloise and Gino Mirocle Crisci, Archaeometric study of mortars and plasters from the Roman City of Pollentia (Mallorca - Balearic Islands) Fabio Fratini, Andrea Cagnini, Simone Porcinai, Paola Lorenzi and Stefano Pasolini, An unusual mortar with a magnesium binder in the Perseus of Giovan Battista Pieratti in Boboli Gardens (Florence) Alessandra Pecci, Almost ten years of plasters residue analysis in Italy: activity areas and the function of structures Cristiana Nunes, Zuzana Slížková and Dana K?ivánková, Lime-based mortars with linseed oil: sodium chloride resistance assessment and characterization of the degraded material Maria Elena Moschella, Walter Canavesio, Mariano Cristellotti and Emanuele Costa, Investigation about ancient mortars and plasters in the Mondovì cathedral (Cuneo, Italy) Vincenzina La Spina, Fabio Fratini, Emma Cantisani, Camilla Mileto and Fernando Vegas López-Manzanares, The ancient gypsum mortars of the historical façades in the city center of Valencia (Spain) Alessandra Bonazza, Chiara Ciantelli, Alessandro Sardella, Elena Pecchioni, Orlando Favoni, Irene Natali and Cristina Sabbioni, Characterization of hydraulic mortars from archaeological complexes in Petra Letizia Bonizzoni, Valentina Brunello and Simone Caglio, Scientific analyses beyond the excavation: studies for a non invasive preliminary approach Rossella Agostino, Germana Barone, Paolo Mazzoleni, Simona Raneri, Giuseppe Sabatino and Maria Maddalena Sica, Mortars and plasters from the Bruttii - Roman city of Taureana (Palmi, RC, Italy) - preliminary data Deodato Tapete, Fabio Fratini, Barbara Mazzei, Emma Cantisani and Elena Pecchioni, Petrographic study of lime-based mortars and carbonate incrustation processes of mural paintings in Roman catacombs Nadia Bianco, Angela Calia, Giampiero Denotarpietro and Pietro Negro, Hydraulic mortar and problems related to the suitability for restoration Sergio Sfrecola, Stefano Vassallo and Paola Parodi, Genoese "intonachino" plasters between the 12th and the 18th century: archaeometric analyses Claudia Pelosi, Ulderico Santamaria, Giorgia Agresti, Giulia De Vivo and Davide Bandera, Analysis and laboratory tests to evaluate the composition and the behaviour of some dehumidifying mortars used in the restoration field

#### Periodico di Mineralogia Vol. 83,2 september 2014

Contents Simone Pollastri, Lara Gigli, Paolo Ferretti, Giovanni B. Andreozzi, Nicola Bursi Gandolfi, Kilian Pollok, Alessandro F. Gualtieri -The crystal structure of mineral fibes. 3. Actinolite asbestos Dmitry A. Chebotarev, Anna G. Doroshkevich, Reiner Klemd, Nikolay S. Karmanov - Evolution of Nb-mineralization in the Chuktukon carbonatite massif, Chadobets upland (Krasnoyarsk Territory, Russia) Nicola Mondillo, Giuseppina Balassone, Maria Boni, Antonio Marino, Giuseppe Arfè - Evaluation of the amount of rare earth elements -REE in the Silius fluorie vein system (SE Sardinia, Italy). Fuat Yavuz and Zeynep Döner - WinAmptb: A Windows program for calcic amphibole thermobarometry Marcella Di Bella, Francesco Italiano, Davide Romano, Alessandro Tripodo, Giuseppe Sabatino - Geochemistry and tectonic setting of triassic magmatism from the Lercara Basin (Sicily, Italy) Silvio Mollo, Francesco Vetere, Harald Beherens, Vanni Tecchiato, Antonio Langone, Piergiorgio Scarlato, Diego Perugini - The effect of degassing and volatile exsolution on the composition of a trachybasaltic melt decompressed at slow and fast rates

## Mineralogia Cornubiensis; A Treatise on Minerals, Mines, and Mining

Monika Huraiová, Patrik Kone?ný, Ivan Holický, Stanislava Milovská,Ondrej Nemec, Vratislav Hurai -Mineralogy and origin of peralkaline granite-syenite nodules ejected in Pleistocenebasalt from Bulhary, southern Slovakia Laura Medeghini and Lorenzo Nigro - Khirbet al-Batrawy ceramics: a systematic mineralogical and petrographic study for investigating the material culture Liam A. Bullock, Ralf Gertisser, Brian O'Driscoll - Spherulite formation in obsidian lavas in the Aeolian Islands, Italy Simone Pollastri, Natale Perchiazzi, Lara Gigli, Paolo Ferretti, Alessandro Cavallo, Nicola Bursi Gandolfi, Kilian Pollok, Alessandro F. Gualtieri - The crystal structure of mineral fibes. 2. Amosite and fibous anthophyllite Nima Nezafati and Morteza Hessari - Tappeh Shoghali; A signifiant early silver production site in North Central Iran Shanke Liu, Jiaju Li, Jianming Liu -An updated model of Rietveld structure refinement of Na/-feldspar

#### Periodico di Mineralogia Vol. 84, 3B (Special Issue), December, 2015

Contents Giovanna Rizzo, Salvatore Laurita, Uwe Altenberger The Timpa delle Murge ophiolitic gabbros, southern Apennines: insights from petrology and geochemistry and consequences to the geodynamic setting .. Mahboobeh Jamshidibadr, Alan S. Collins, Gabriel N. Salomao, Mozaniel Costa U-Pb zircon ages, geochemistry and tectonic setting of felsic and mafic intrusive rocks of Almogholagh complex, NW Iran

Dario Di Giuseppe, Jordi Ibáñez, Massimiliano Melchiorre, Massimo Coltorti On the potential effect of micronized zeolites on seed germination: a prospective study Ali I.M. Ismail, Doris Sadek Ghabrial, Wael Abdel Wahab, Mahmoud Eissa, Alberto Cazzaniga, Chiara Zanelli, Michele Dondi Exploring Syenites from Ring Complexes in the Eastern Desert (Egypt) as Ceramic Raw Materials Daniela Mauro, Cristian Biagioni, Marco Pasero Crystal-chemistry of sulfates from Apuan Alps (Tuscany, Italy). I. Crystal structure and hydrogen bond system of melanterite, Fe(H2O)6(SO4)·H2O

#### Periodico di Mineralogia Vol. 80, 3 - December 2011

The 18th century was a wealth of knowledge, exploration and rapidly growing technology and expanding record-keeping made possible by advances in the printing press. In its determination to preserve the century of revolution, Gale initiated a revolution of its own: digitization of epic proportions to preserve these invaluable works in the largest archive of its kind. Now for the first time these high-quality digital copies of original 18th century manuscripts are available in print, making them highly accessible to libraries, undergraduate students, and independent scholars. Medical theory and practice of the 1700s developed rapidly, as is evidenced by the extensive collection, which includes descriptions of diseases, their conditions, and treatments. Books on science and technology, agriculture, military technology, natural philosophy, even cookbooks, are all contained here. ++++ The below data was compiled from various identification fields in the bibliographic record of this title. This data is provided as an additional tool in helping to insure edition identification: ++++ British Library T123497 With a list of subscribers. Two 'Proposals for printing by subscription Mineralogia Cornubiensis' were published in [1774], one for a two volume work, and a later one for a single volume. London: printed and sold for the author, by James Phillips. Sold also by B. White; and J. Robson, 1778. [36], xiv, [2],331, [1]p., plates, tables: port.; 2°

## ECMS 2015 - Periodico di Mineralogia Special Issue

Contents Gioacchino Tempesta, Carlo Porfido, Michele Bellino, Alessandro Monno, The "Exultet 1" of Bari: multi-methodological approach for the study of a rare medieval parchment roll · Abdullah Mahmoud Ahmed Kamel, Ahmed Abo El-yamin, Chemical and physical characterization of mortars and plasters from a Coptic paternoster: new excavation in the temple of Ptolemy XII, Sheikh Hamad, Athribis, Sohag, Egypt · Paolo Ballirano, Andrea Bloise, Carlo Cremisini, Elisa Nardi, Maria Rita Montereali, Alessandro Pacella, Thermally induced behavior of the K-exchanged erionite: a further step in understanding the structural modifications of the erionite group upon heating · Marilda Osmani, Aida Bani, Fran Gjoka, Dolia Pavlova, Peçi Naqellari, Edmira Shahu, Irena Duka, Guillaume Echevarria, The natural plant colonization of ultramafic post-mining area of Përrenjas, Albania · Fuat Yavuz and Demet K?ran Y?ld?r?m, A Windows program for pyroxene-liquid thermobarometry · Shohreh Hassanpour and Ghahraman Sohrabi, Major-trace elements geochemical characterization, geochronology and radiogenic isotopes of Eocene magmatic rocks in Anique, Qaradagh pluton, NW Iran · Alessandro Pacella, Giovanni B. Andreozzi, Ingrid Corazzari, Maura Tomatis, Francesco Turci, Surface reactivity of amphibole asbestos: A comparison between two tremolite samples with different surface area

## Periodico di Mineralogia Vol. 83,1 april 2014

Indice: Archaeometric characterization of amphorae and bricks of Imperial Age found in a roman villa near the Luzzi town (Cosenza, Calabria, Italy)Structural and spectroscopic characterization of anorthite synthesized from secondary raw materialsVein mineral assemblage in partially serpentinized peridotite xenoliths from Hyblean Plateau (south-eastern Sicily, Italy)Cumulative cordieritite formation as a result of anatexis and melt expulsion. An example from the Chavanon sequence, Variscan French Massif CentralVolcanic geology and petrology of the Val Calanna succession (Mt. Etna, Southern Italy): discovery of a new eruptive centerA case study of alkali-silica reactions: petrographic investigation of paving deteriorationChemical, mineralogical and petrographic characterization of Roman ancient hydraulic concretes cores from Santa Liberata, Italy, and Caesarea Palestinae, Israel Sulphate-arsenate exchange

## Periodico di Mineralogia Vol. 81,3 dicembre 2012

Simona Raneri, Germana Barone, Vincenza Crupi, Francesca Longo, Domenico Majolino, Paolo Mazzoleni, Davide Tanasi, Josè Teixeira and Venuti Valentina Technological analysis of Sicilian prehistoric pottery production through small angle neutron scattering techniqueSimona Raneri, Germana Barone, Paolo Mazzoleni, Davide Tanasi and Emanuele Costa Mobility of men versus mobility of goods: archaeometric characterization of Middle Bronze Age pottery in Malta and Sicily (15th-13th century BC)Judit Molera, Javier Iñañez, Glòria Molina, Josep Burch, Xavier Alberch, Michael D. Glascock and Trinitat Pradell Lustre and glazed ceramic collection from Mas Llorens, 16th-17th centuries (Salt, Girona). Provenance and technologyCelestino Grifa, Alberto De Bonis, Vincenza Guarino, Chiara Maria Petrone, Chiara Germinario, Mariano Mercurio, Gianluca Soricelli, Alessio Langella and Vincenzo Morra Thin walled pottery from Alife (Northern Campania, Italy)Svetlana Valiulina and Tatiana Shlykova Iranian Bowl from Biliar: Complex Research and ConservationFatma Madkour, Hisham Imam, Khaled Elsayed and Galila Meheina Elemental Analysis Study of Glazes and Ceramic Bodies from Mamluk and Ottoman Periods in Egypt by Laser-Induced Breakdown Spectroscopy (LIBS) Fernanda Inserra, Alessandra Pecci, Miguel Ángel Cau Ontiveros and Jordi Roig Buxó Organic residues analysis of Late Antique pottery from Plaça Major-Horts de Can Torras (Castellar del Vallés, Catalonia, Spain)Marino Maggetti, Andreas Heege and Vincent Serneels Technological aspects of an early 19th c. English and French white earthenware assemblage from Bern (Switzerland)Leandro Fantuzzi, Miguel A. Cau Ontiveros and Josep Maria Macias Amphorae from the Late Antique city of Tarraco-Tarracona (Catalonia, Spain): archaeometric characterizationShlomo Shoval and Yitzhak Paz Analyzing the fired-clay ceramic of EBA Canaanite pottery using FT-IR spectroscopy and LA-**ICP-MS** 

#### Periodico di Mineralogia Vol. 82, 2 - Semptember 2013

Questo testo classico di John Mawe offre una guida chiara e semplice alla mineralogia e alla geologia. Con un linguaggio accessibile e molte illustrazioni esplicative, Mawe ci accompagna alla scoperta delle principali rocce e minerali, spiegandone le proprietà e le caratteristiche. Un libro essenziale per gli amanti della geologia e dei minerali. This work has been selected by scholars as being culturally important, and is part of the knowledge base of civilization as we know it. This work is in the \"public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

## Periodico di Mineralogia Vol. 81,1 - April 2012

Amir-hossein Karimy and Parviz Holakooei Analytical studies leading to the identification of the pigments used in the P?r-i Hamza Sabzp?sh Tomb in Abarq?, Iran: a reappraisal Giuseppe Capobianco, Silvia Serranti, Giuseppe Bonifazi and Fernanda Prestileo Hyperspectral imaging-based approach for the in-situ characterization of ancient Roman wall paintings Omid Oudbashi and Atefeh Shekofteh Chemical and microstructural analysis of some Achaemenian silver alloy artefacts from Hamedan, western Iran Ombretta Cocco, Maura Carboni, Gianfranco Carcangiu, Paola Meloni, Arianna Murru, Franca Persia and Laura Solla Crime Art on the stone: graffiti vandalism on cultural heritage and the anti-graffiti role in its surfaces protection Laura Solla, Paola Meloni, Ulrico Umberto Maria Sanna, Gianfranco Carcangiu and Ombretta Cocco Pigments and materials across Sardinia's walls: contribution on the Tomba dei Pesci e delle Spighe in Cagliari Simone Cagno, Peter Cosyns, Andrea Ceglia, Karin Nys and Koen Janssens The use of vitrum obsianum in the Roman Empire: some new insights and future prospects Andrea Macchia, Stella Nunziante Cesaro, Yeghis Keheyan, Silvestro Antonio Ruffolo and Mauro Francesco La Russa White zinc in linseed oil paintings: chemical, mechanical and aesthetic aspects Domenico Miriello, Fabrizio Antonelli, Carmine Apollaro, Andrea Bloise, Nicolò Bruno, Manuela Catalano, Stefano Columbu, Gino Mirocle Crisci, Raffaella De Luca, Marco Lezzerini, Stefania Mancuso and Antonio La Marca A petro-chemical study of ancient mortars from the archaeological site of Kyme (Turkey) David Martín Freire-Lista, Luz Stella Gomez-Villalba and Rafael Fort Microcracking of granite feldspar during thermal artificial processes Beatriz Cámara, Monica Alvarez de Buergo, Rafael Fort, Virginia Souza-Egipsy, Sergio Perez-Ortega, Asuncion de los Rios, Jacek Wierzchos and Carmen Ascaso Anthropic effect on the lichen colonization in building stones from cultural heritage Mauro Francesco La Russa, Silvestro Antonio Ruffolo, Michela Ricca, Natalia Rovella, Valeria Comite, Monica Alvarez de Buergo, Donatella Barca and Gino Mirocle Crisci Archaeometric approach for the study of mortars from the underwater archaeological site of Baia (Naples) Italy: Preliminary results Maria Francesca Alberghina, Rosita Barraco, Maria Brai, Dorotea Fontana and Luigi Tranchina LIBS and XRF analysis for a stratigraphic study of pictorial multilayer surfaces

## Periodico di Mineralogia Vol. 82, 3 december 2013

This is a reproduction of a book published before 1923. This book may have occasional imperfections such as missing or blurred pages, poor pictures, errant marks, etc. that were either part of the original artifact, or were introduced by the scanning process. We believe this work is culturally important, and despite the imperfections, have elected to bring it back into print as part of our continuing commitment to the preservation of printed works worldwide. We appreciate your understanding of the imperfections in the preservation process, and hope you enjoy this valuable book.

#### Periodico di Mineralogia Vol. 86, 2 settembre 2017

#### Periodico di Mineralogia Vol. 86, 1 aprile 2017

https://sports.nitt.edu/\_65758466/zcombinep/oreplacew/lscatterb/foundation+analysis+design+bowles+solution+man https://sports.nitt.edu/\_98273609/lbreathex/sthreatenf/zinheritn/teacher+solution+manuals+textbook.pdf https://sports.nitt.edu/+26693197/kbreatheu/mreplacel/gassociatej/4th+grade+fractions+study+guide.pdf https://sports.nitt.edu/@86749944/kfunctionz/mreplaceb/qassociatev/crimes+against+logic+exposing+the+bogus+ar https://sports.nitt.edu/-69739229/lcomposez/wdecorateu/kallocatep/slo+samples+for+school+counselor.pdf https://sports.nitt.edu/=47679792/munderlinen/ithreatenu/bassociatet/prasuti+tantra+tiwari.pdf https://sports.nitt.edu/\_96948675/gunderlinet/xdecoratez/qspecifyd/tcic+ncic+training+manual.pdf https://sports.nitt.edu/\_87509108/acomposes/vthreateni/finherity/media+kit+template+indesign.pdf https://sports.nitt.edu/+90155958/dcomposew/xexcludei/mscatterh/fundamentals+of+structural+analysis+leet+uang+ https://sports.nitt.edu/+64939356/pdiminishy/kexploitw/iallocatel/gmc+f+series+truck+manuals.pdf