

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name	GILBERTO ARTIOLI
Home Address	VIA LUIGI PELLIZZO 39, I-35128 PADOVA, ITALY
Work Address	DIPARTIMENTO DI GEOSCIENZE, UNIVERSITÀ DI PADOVA VIA GRADENIGO 6, I-35131 PADOVA, ITALY
Telephone	+39 049 827 9162
Fax	+39 049 827 9111
E-mail	gilberto.artioli@unipd.it
Nationality	Italy
Date of birth	03-february-1957

CAREER

2006 – to date	FULL PROFESSOR. UNIVERSITÀ DEGLI STUDI DI PADOVA, DIPARTIMENTO DI GEOSCIENZE
1999 - 2006	FULL PROFESSOR. UNIVERSITÀ DEGLI STUDI DI MILANO, DIPARTIMENTO DI SCIENZE DELLA TERRA
1992 - 1999	ASSOCIATE PROFESSOR. UNIVERSITÀ DEGLI STUDI DI MILANO, DIPARTIMENTO DI SCIENZE DELLA TERRA
1983 - 1992	RESEARCH ASSISTANT. UNIVERSITÀ DEGLI STUDI DI MODENA, ISTITUTO DI MINERALOGIA E PETROLOGIA
1994 - 1995	TECHNICAL COLLABORATOR. BROOKHAVEN NATIONAL LABORATORY, DEPARTMENT OF CHEMISTRY AND HIGH FLUX BEAM REACTOR
1988 - 1989	TECHNICAL COLLABORATOR. BROOKHAVEN NATIONAL LABORATORY, DEPARTMENT OF CHEMISTRY
1983 - 1985	TECHNICAL COLLABORATOR. BROOKHAVEN NATIONAL LABORATORY, DEPARTMENT OF CHEMISTRY AND NATIONAL SYNCHROTRON LIGHT SOURCE
1981 - 1985	RESEARCH ASSISTANT. THE UNIVERSITY OF CHICAGO, DEPARTMENT OF THE GEOPHYSICAL SCIENCES

HIGHER EDUCATION

• December 1985	"Doctor of Philosophy", The University of Chicago
• December 1980	"Laurea in Scienze Geologiche, cum laude", Università degli Studi di Modena

HONORS

• March 2021	Waltrude and Friedrich Liebau Prize for the Promotion of Interdisciplinarity in Crystallography, German Society for Crystallography (DGK)
• September 2018	Giacomo Levi Gold medal of the Italian Chemical Society-Division of Industrial Chemistry
• April 2015	Socio Nazionale. Accademia Nazionale delle Scienze detta dei XL
• April 2015	Socio Corrispondente. Accademia Galileiana di Scienze, Lettere ed Arti in Padova
• June 2014	International Prize Luigi Tartufari. Accademia Nazionale dei Lincei
• October 2013	Member. Academia Europaea
• March-August 2007	Conservation Guest Scholar, The Getty Conservation Institute, Los Angeles
• April 2005-June 2006	Visiting Scientist. CeSMEC Center for the Study of Matter at Extreme Conditions, FIU, Miami
• June 1998	Fellow. The Mineralogical Society of America
• June-December 1988	Grant for research abroad, Consiglio Nazionale delle Ricerche
• September 1986	Premio Ugo Panichi. Società Italiana di Mineralogia e Petrologia
• April 1984	Travel grant. Special Cultural Enrichment Fund, Institute for International Education
• October 1981-October 1982	Salisbury Fellowship. The University of Chicago, Division of the Physical Sciences

• September 1981

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE
OTHER LANGUAGES

SCIENTIFIC AND ACADEMIC ACTIVITY

ACADEMIC TEACHING UNIVERSITÀ DI PADOVA

2006-TO DATE

2016-TO DATE

2006-TO DATE

UNIVERSITÀ DI MILANO 2002-2007

1998-2003

1996-2007

1992-1998

UNIVERSITÀ DI MODENA 1986-1992

1984-1986

THE UNIVERSITY OF CHICAGO

• January - March 1983

• October - December 1982

TUTORING

1988-2019

1994-2019

SCIENTIFIC PRESENTATIONS

INVITED LECTURES

PRESENTATIONS AT SCIENTIFIC
CONFERENCES AND SCHOOLS

SCIENTIFIC PUBLICATIONS

PUBLICATIONS IN PRINT

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ORCID

MANAGING, SERVICES

FEBRUARY 2021-PRESENT
2017-TO DATE

JANUARY 2015 AND SEPTEMBER 2018

Fulbright Travel grant. Istituto per gli scambi culturali Italia-Stati Uniti

ITALIAN

English, French

COURSE OF **CRYSTALLOGRAPHY - STRUCTURE OF SOLIDS**, CORSO DI LAUREA IN SCIENZE DEI MATERIALI

COURSE OF **CRYSTAL CHEMISTRY AND PROPERTIES OF INDUSTRIAL MATERIALS**, CORSO DI LAUREA IN SCIENZE DEI MATERIALI

COURSE OF **ENVIRONMENTAL MINERALOGY**, CORSO DI LAUREA IN SCIENZE E TECNOLOGIE PER L'AMBIENTE ED IL TERRITORIO

COURSE OF **ANALYTICAL TECHNIQUES FOR CULTURAL HERITAGE**, CORSO DI LAUREA IN SCIENZE GEOLOGICHE

COURSE OF **APPLIED MINERALOGY**, CORSO DI LAUREA IN SCIENZE GEOLOGICHE

COURSE OF **CRYSTALLOGRAPHY**, CORSO DI LAUREA IN SCIENZE GEOLOGICHE

COURSE OF **MINERALOGY**, CORSO DI LAUREA IN CHIMICA E CHIMICA INDUSTRIALE

TEACHING ASSISTANT, COURSE OF MINERALOGY, CORSI DI LAUREA IN SCIENZE GEOLOGICHE, CHIMICA E SCIENZE NATURALI

TEACHING ASSISTANT, COURSE OF PETROGRAPHY, CORSO DI LAUREA IN SCIENZE GEOLOGICHE

TEACHING ASSISTANT, COURSE OF INTRODUCTION TO GEOLOGICAL SCIENCES

TEACHING ASSISTANT, COURSE OF PETROLOGY

TUTOR OF **>60** UNDEGRADUATE AND MASTER DISSERTATIONS

TUTOR OF **>20** PHD DISSERTATIONS

>125 Invited lectures and seminars at Academic Institutions, Public Schools, and Cultural Institutes (List in **Annex 1**)

>450 Presentations and contributions to Scientific Conferences, Meetings, Workshops, and Schools (list in **Annex 2**)

>400 publications and books (List in **Annex 3**)

39 (ISI Web of Science)(Researcher ID F-2149-2015)

41 (Scopus Author ID 56582666300)

46 (Google Scholar)

<https://orcid.org/0000-0002-8693-7392>

Vice-President of the AIC, Associazione Italiana di Cristallografia

Member of the panels for the evaluation of experiment proposals (Panel ISP-7) at ISIS, Rutherford Appleton Laboratory, Didcot, UK

Scientific responsible of the OpenLab Turkey initiative organized by UNESCO-IUCr-PANalytical-University of Bilkent, Ankara

2014-TO DATE	Chairman of the Commission on Crystallography in Art and Cultural Heritage (CrysAC) of the International Union of Crystallography (IUCr). http://www.iucr.org/iucr/commissions/ccach
JUNE 2014	Scientific responsible of the OpenLab Ghana initiative organized by UNESCO-IUCr-PANalytical-University of Ghana, Accra
OCTOBER 2013-MARCH 2014	Organizer of the CRISTALLI! Exhibition held on the occasion of the International Year of Crystallography 2014 promoted by UNESCO and IUCr
2011-2014	Consultant of the Commission on Crystallography in Art and Cultural Heritage (CrysAC) of the International Union of Crystallography (IUCr)
2010-TO DATE	Director of the Centro Interdipartimentale di Ricerca per lo "Studio dei materiali cementizi e dei leganti idraulici" (CIRCe) of the Università degli Studi di Padova
2010-TO DATE	Scientific responsible of the Museum of Mineralogy, Università di Padova
2010	Member of the Max Perutz ECA Prize Committee
2008-TO DATE	Member of the CNR committee for the IUCr activities
2006-2009	Director of the Doctorate School on Earth Sciences, Dipartimento di Geoscienze, Università degli Studi di Padova
2001-2002	Member of the Science Advisory Committee, ESRF, Grenoble
2000-2006	Director of the Doctorate School on Earth Sciences, Dipartimento di Scienze della Terra, Università degli Studi di Milano
1999-2002	Member of the Crystallography panel for the evaluation of experiment proposals (Panel ISP-1) at ISIS, Rutherford Appleton Laboratory, Didcot, UK
1998-2004	Member and Vice-chairman of the European Powder Diffraction Conferences (EPDIC) Committee
1998-2004	Member of the Structure Commission of the International Zeolite Association (IZA)
1998-2003	Member of the Chemistry panel for the evaluation of experiment proposals at ESRF, Grenoble
1997-2000	Invited member of the International Centre for Diffraction Data (ICDD)
1995-1999	Member of the CNR <i>Commissione di studio per il coordinamento delle attività di radiazione di sincrotrone</i>
1995-1998	Member of the evaluation committee of experiment proposals at the GILDA beamline, ESRF, Grenoble
1995-1996	Member of the working group for the scientific case of the European Science Foundation concerning the European Spallation Source (ESS)
1993-1996	Member of the <i>International Committee on New Minerals and New Mineral Names: Subcommittee on Natural Zeolites</i> , Chairman D.S. Coombs
1992	Founding member of the Società Italiana di Luce di Sincrotrone (SILS)

MAJOR GRANTS

2019-2022	National coordinator of the project COFIN2017 "Mineral reactivity, a key to understand large-scale processes: from rock forming environments to solid waste recovering/lithification"
2018-2021	Scientific responsible of the research agreement between Università di Padova e MAPEI S.p.a. on cement materials. 4 years project funded by MAPEI
2013-2015	National coordinator of the project COFIN2010-2011 "Mineral-biosphere interaction: consequences for the environment and human health"
2007-2017	Scientific responsible of the research agreement between Università di Padova e MAPEI S.p.a. on cement materials. 10 years project funded by MAPEI
2006-2009	Scientific coordinator of the project "Prehistoric pyrotechnology: insights on hominid behaviour from high resolution study of combustion features". Funded by EU (FP6-2005-Mobility-6) as Marie Curie International Outgoing Fellowship (OIF) in collaboration with Paul Goldberg (University of Boston)
2006	Scientific coordinator of the project "L'inizio della metallurgia nell'area alpina: studio analitico delle evidenze archeologiche dell'Italia del Nord". Progetto Galileo 2006/2007 , funded by the Università Italo-Francese in collaboration with David Bourgarit (C2RMF, Louvre, Paris)
2004-2006	National coordinator of the project COFIN2004 "Microstructure, morphology, and reactivity: modeling and measurement of crystallization and dissolution processes in minerals"
2002-2004	National coordinator of the project COFIN2002 "Mechanisms of surface reactions in minerals: kinetics of dissolution and growth, and their modeling"
2000-2002	National coordinator of the project COFIN2000 "Surface chemical reactions in minerals: intercalation and adsorption processes"

ORGANIZATION OF MEETINGS, WORKSHOPS, SCHOOLS

AUGUST 2019
JANUARY-FEBRUARY 2019

MAY 2018

MAY 2017

MAY 2016

APRIL 2014
NOVEMBER 2012

FEBRUARY 2012

MARCH 2005
JUNE 2004

APRIL 2003

JUNE 1996
MARCH 1995

SEPTEMBER 1991

EDITORIAL ACTIVITY

EDITOR

REFeree

(scientific organizer and chair of **>60 sessions and symposia** at national and international meetings in the period 1991-2018)

5th CrysAC Workshop "Crystallography of metals and metal corrosion", 17 August 2019

Chair of the Scientific Committee of the 2nd Pan African Conference on Crystallography PCCr2, Accra, Ghana, 28 January-2 February 2019

3rd CrysAC Workshop "Recent advances in the investigation of ancient mortars and binders", Merida, 20 May 2018

2nd CrysAC Workshop "Applied crystallography in the study of pigment degradation", Brno, 31 May 2017

1st CrysAC Workshop "Cultural heritage authentication and forensic science", Krakow, 18 May 2016

Main organizer of the 3rd International Mortar Dating Workshop. Padova, 14-16 April 2014

Organizer and chair of the Workshop on "Geopolymers: present and future", Mapei Auditorium, Milano, 16 November 2012

Organizer and Chairman of the PANalytical Workshop on "Advanced XRD applications", Bologna, 14 February 2012

Organizer of the International PANalytical Workshop on "Non ambient diffraction", Tirrenia

Co-organizer of the National GNM School on "Proprietà ed applicazioni dei minerali alla nanoscala"

Co-organizer of the National AIC School on "Meccanismi della crescita cristallina: fondamenti e applicazioni"

Chairman and main organizer of the 5^a European Powder Diffraction Conference, Parma, Italy

Co-organizer of the 4th National School on "Diffrazione a raggi X su materiali policristallini", Gargnano, BS

Organizer of the 1st National school on "Metodi avanzati di analisi diffrattometrica di campioni policristallini", Modena

2020-to date: **Member of the Editorial Board of Authenticity Studies, International Journal of Archaeology and Art**, published by Padova University Press

2017-2018 **Editor of the Encyclopedia of Archaeological Sciences**, Wiley-Blackwell

2016 **Editor of Elements**, special issue on *Earth Sciences for the Cultural Heritage*, February 2016

2013-to date. **Member of the Editorial Board of PCA European Journal of Post-Classical Archaeologies**

2009-to date. **Managing Editor of Archaeometry**

2008-to date. **Associate Editor of the Journal Archaeological and Anthropological Sciences**

2003-2009. **Member of the Advisory Board of Archaeometry**

2002-to date. **Member of the Scientific Committee of the Rivista Mineralogica Italiana**

1996-to date. **Member of the International Advisory Board of Materials Science Forum**

1995-1999. **Associate Editor of the American Mineralogist**

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|---|--|
| – Acta Crystallographica B | – Journal of Cultural Heritage |
| – American Mineralogist | – Journal of Inclusion Phenomena |
| – Applied Physics A | – Journal of Physics and Chemistry of Solids |
| – Archaeometry | – Journal of Synchrotron Radiation |
| – Associazione Italiana Archeometria | – The Journal of Physical Chemistry |
| – Associazione Italiana Zeoliti | – Intern. Committee on Natural Zeolites |
| – Bulletin de Mineralogie | – Microporous and Mesoporous Materials |
| – Canadian Mineralogist | – Mineralogical Magazine |
| – Clays and Clay Minerals | – Mineralogy and Petrology |
| – Construction and Building Materials | – Nuovo Cimento |
| – Crystallography Reviews | – Periodico di Mineralogia |
| – European Journal of Inorganic Chemistry | – PlosOne |
| – European Journal of Mineralogy | – Physics and Chemistry of Minerals |
| – European Physical Journal Plus | – Physics Review Letters |
| – Geochimica and Cosmochimica Acta | |

- *Journal of Applied Crystallography*
- *Journal of Archaeological Sciences*
- *Journal of Archaeological and Anthropological Sciences*
- *Science Advances*
- *Zeitschrift für Kristallographie*

PROJECT REVIEWER

European Research Council (ERC) – European Science Foundation (ESF)
 Progetti di Ricerca di Interesse Nazionale (PRIN) – Min. Istruzione, Università e Ricerca (MIUR)
 Valutazione dei prodotti e della qualità della ricerca (VQR)
 Swiss National Science Foundation (SNSF)
 Austrian Science Fund (FWF)
 ETH Zurich Research Commission
 FWO Research Foundation - Flanders (Fonds Wetenschappelijk Onderzoek - Vlaanderen)
 Leibniz Research and Cooperation Projects – The Leibniz Association, Bonn
 The British Academy (BA) – Leverhulme Grants
 Georgia National Science Foundation (GNSF) – Shota Rustaveli Foundation
 NSC National Science Centre, Poland
 Russian Science Foundation (RSF) – Russian International Affairs Council (RIAC)
 The Ruthford Appleton Laboratory (RAL) International Fellowship Programme
 Università di Torino (UNITO) – Compagnia di San Paolo
 Università Italo-Francese (UIF) – Progetti Vinci
 Weizmann Institute – Rehovot, Israel

1. DEGANELLO S., ARTIOLI G.: Thermal expansion of cesanite between 22-390 °C. *Neues Jahrb. Mineral. Monatsh.* **12**, 565-568, 1982.
2. ANDERSON A.T., SWIHART G.H., ARTIOLI G., GEIGER C.A.: Segregation vesicles, gas filter-pressing, and igneous differentiation. *J. Geol.* **92**, 55-72, 1984.
3. SMITH J.V., PLUTH J.J., ARTIOLI G., ROSS F.K.: Neutron and x-ray refinements of scolecite. *Proc. 6th Int. Zeolite Conf.*, Reno, Nevada, 1983; Olson D. and Bisio A. eds., Butterworth, Guildford, UK, 842-850, 1984.
4. ARTIOLI G., PLUTH J.J., SMITH J.V.: Synthetic phosphorus-substituted analcime, with ordered aluminum and silicon/phosphorus. *Acta Cryst.* **C40**, 214-217, 1984.
5. ARTIOLI G., SMITH J.V., KVICK Å.: Neutron diffraction study of natrolite, $\text{Na}_2\text{Al}_2\text{Si}_3\text{O}_{10} \cdot 2\text{H}_2\text{O}$, at 20 K. *Acta Cryst.* **C40**, 1658-1662, 1984.
6. BENNET J.M., COHEN J.M., ARTIOLI G., PLUTH J.J., SMITH J.V.: Crystal structure of $\text{AlPO}_4\text{-21}$, a framework aluminophosphate containing tetrahedral phosphorus and both tetrahedral and trigonal-bipyramidal aluminum in 3-, 4-, 5-, and 8- rings. *Inorg. Chem.* **24**, 188-193, 1985.
7. ARTIOLI G., SMITH J.V., KVICK Å.: Multiple hydrogen positions in the zeolite brewsterite, $(\text{Sr}_{0.95}\text{Ba}_{0.05})\text{Al}_2\text{Si}_6\text{O}_{16} \cdot 5\text{H}_2\text{O}$. *Acta Cryst.* **C41**, 492-497, 1985.
8. ARTIOLI G., SMITH J.V., PLUTH J.J., KVICK Å., STÅHL K.: Neutron diffraction studies of the hydrogen bonding and water molecules in zeolites. In: Držaj B., Hočevar S. and Pejovnik S. (eds.), *Proc. Int. Symp. on Zeolites*, Portoroz, Yugoslavia, 1984. Studies in Surface Science and Catalysis, Elsevier, Vol. 24, 249-254, 1985. ISSN 0167-2991, ISBN 9780444425683, DOI: 10.1016/S0167-2991(08)65289-1
9. KVICK Å., ARTIOLI G., SMITH J.V.: Neutron diffraction study of the zeolite yugawaralite at 13 K. *Zeit. Krist.* **174**, 265-281, 1986.
10. SMITH J.V., ARTIOLI G., KVICK Å.: Low albite, $\text{NaAlSi}_3\text{O}_8$: neutron diffraction study of crystal structure at 13 K. *Amer. Miner.* **71**, 727-733, 1986.
11. ARTIOLI G., SMITH J.V., PLUTH J.J.: X-ray structure refinement of mesolite, $\text{Na}_2\text{Ca}_2\text{Al}_6\text{Si}_8\text{O}_{80} \cdot 8\text{H}_2\text{O}$. *Acta Cryst.* **C42**, 937-942, 1986.
12. ARTIOLI G., RINALDI R., KVICK Å., SMITH J.V.: Neutron diffraction structure refinement of the zeolite gismondine at 15 K. *Zeolites* **6**, 361-366, 1986.
13. SMYTH J.R., SMITH J.V., ARTIOLI G., KVICK Å.: Crystal structure of coesite, a high pressure form of SiO_2 , at 15 and 298 K from single-crystal neutron and x-ray diffraction data: test of bonding models. *J. Phys. Chem.* **91**, 988-992, 1987.
14. ARTIOLI G.: Zeolites. Structure and applications. Workshop on "Industrial Minerals: their use and technologies". *Quaderni di Castel Ivano*, **1**, 37-48, 1989.
15. ARTIOLI G., SMITH J.V., KVICK Å.: Single crystal neutron diffraction study of partially dehydrated laumontite at 15 K. *Zeolites* **9**, 377-391, 1989.
16. ARTIOLI G., ALBERTI G., CAGOSSI G., DAVOLI G., MOLESINI M.: I minerali secondari di alcuni giacimenti a solfuri della zona di Ivrea-Verbano. *Riv. Min. Ital.* **2**, 75-81, 1990.
17. ARTIOLI G.: Diffrazione neutronica da monocristalli. Scuola su "La diffrazione neutronica nell'analisi strutturale: introduzione ai metodi sperimentali". Associazione Italiana di Cristallografia, Perugia, 1990.
18. ARTIOLI G., KVICK Å.: Synchrotron x-ray Rietveld study of perialite, the natural counterpart of synthetic zeolite-L. *Eur. J. Miner.* **2**, 749-759, 1990.
19. ARTIOLI G.: Diffrazione neutronica di campioni policristallini con luce di sincrotrone. *Atti 1ª Scuola Nazionale di Luce di Sincrotrone e Ricerca Chimica*, S. Margherita di Pula, Cagliari, 1990; G. Vlaic ed., CNR, Roma, 197-203, 1991.
20. ARTIOLI G., ALBERTI G., CAGOSSI G., BELLOTTO M.: Quantitative determination of crystalline and amorphous component in clinoptilolite-rich rocks by Rietveld analysis of X-ray powder diffraction profiles. *Atti 1ª Convegno Italiano di Scienza e Tecnologia delle Zeoliti*, L'Aquila, 1991; C. Colella ed., De Frede, Napoli, 261-270, 1991.
21. VEZZALINI G., ARTIOLI G., QUARTIERI S.: The crystal chemistry of cowlesite. *Atti 1ª Convegno Italiano di Scienza e Tecnologia delle Zeoliti*, L'Aquila, 1991; C. Colella ed., De Frede, Napoli, 91-96, 1991.
22. ARTIOLI G., SACCHI M., BALERNA A., BURATTINI E., SIMEONI S.: XANES studies of Fe in pumpellyite-group minerals. *Neues Jahrb. Mineral. Monatsh.* **9**, 413-421, 1991.
23. ARTIOLI G., TORRES SALVADOR M.R.: Characterization of the natural zeolite gonnardite. Structure analysis of natural and cation exchanged species by the Rietveld method. *Mater. Sci. Forum* **79-82**, part 2, 845-850, 1991.
24. ARTIOLI G.: The crystal structure of garronite. *Amer. Miner.* **77**, 189-196, 1992.
25. ARTIOLI G.: Luce di sincrotrone. *Scuola di mineralogia sperimentale*. Gruppo Nazionale di Mineralogia, Assisi, 1992.
26. ARTIOLI G.: Diffrazione di materiali policristallini. *Atti 2ª Scuola Nazionale di Luce di Sincrotrone e Ricerca Chimica*, S. Margherita di Pula, Cagliari, 1992; G. Vlaic ed., CNR, Roma, 1992.
27. VEZZALINI G., ARTIOLI G., QUARTIERI S., FOY H.R.: The crystal chemistry of cowlesite. *Miner. Mag.* **56**, 575-579, 1992.
28. SIGHINOLFI G.P., SARTONO S., ARTIOLI G.: Chemical and mineralogical studies on hominid remains from Sangiran, Central Java (Indonesia). *J. Human Evolution* **24**, 57-68, 1993.
29. QUARTIERI S., ANTONIOLI G., LOTTICI P.P., ARTIOLI G.: X-ray absorption study at Fe K-edge in garnets from Ivrea-Verbano zone. *Miner. Mag.* **57**, 249-256, 1993.
30. ARTIOLI G., STÅHL K.: Fully hydrated laumontite: a structure study by flat-plate and capillary powder diffraction techniques. *Zeolites* **13**, 249-255, 1993.

31. FAYOS J., ARTIOLI G., TORRES R.: Packing analysis of racket-like molecules: C₆H₅MX (M=metal, X=Cl,Br,I). Crystal structure determination of microcrystalline C₆H₅HgCl by XRD. *J. Cryst. Spect. Res.* **23**, 595-600, 1993.
32. ARTIOLI G., GALLI E., FERRARI M.: Acido urico biidrato: un nuovo minerale? *Riv. Miner. It.* **4**, 261-264, 1993.
33. ARTIOLI G., RINALDI R., STÅHL K., ZANAZZI P.F.: Structure refinement of natural beryls by single crystal neutron and X-ray diffraction. *Amer. Miner.* **78**, 762-768, 1993.
34. STÅHL K., ARTIOLI G.: A neutron powder diffraction study of fully deuterated laumontite. *Eur. J. Miner.* **5**, 851-856, 1993.
35. QUARTIERI S., ANTONIOLI G., ARTIOLI G., LOTTICI P.P.: XANES study of titanium coordination in natural diopsidic pyroxenes. *Eur. J. Miner.* **5**, 1101-1109, 1993.
36. QUARTIERI S., ARTIOLI G., DERIU A., LOTTICI P.P., ANTONIOLI G.: ⁵⁷Fe-Mössbauer investigation on garnets from Ivrea-Verbano zone. *Miner. Mag.* **57**, 671-676, 1993.
37. ARTIOLI G., GEIGER C.A.: The crystal chemistry of pumpellyite: an X-ray Rietveld refinement and ⁵⁷Fe Mössbauer study. *Phys. Chem. Miner.* **20**, 443-453, 1994.
38. ARTIOLI G.: Simulazione di strutture a strati. *Atti della III Edizione delle Giornate di Studio sulla Diffrazione a Raggi X da Materiali Policristallini*, Trento, 1994; P. Scardi ed., Trento, 189-208, 1994.
39. ARTIOLI G., BELLOTTO M., PALOSZ B.: High temperature in situ Rietveld study of Fe,Mg partitioning in olivine. *Powder Diffraction* **9**, 63-74, 1994.
40. ARTIOLI G., GUALTIERI A.: Trasformazioni di fase e cinetiche di reazione. Scuola di mineralogia su *Le reazioni mineralogiche: aspetti chimico-fisici*. Gruppo Nazionale di Mineralogia, Grado, 1994.
41. ARTIOLI G., GALLI E., BURATTINI E., CAPPUCIO G., SIMEONI S.: Palygorskite from Bolca, Italy: a characterization by high-resolution synchrotron radiation powder diffraction and computer modeling. *Neues Jahrb. Miner. Mon.* **5**, 217-229, 1994.
42. GUALTIERI A., ARTIOLI G., BELLOTTO M., CLARK S.M., PALOSZ B.: High temperature phase transition of muscovite-2M₁: angle and energy dispersive powder diffraction studies. *Mat. Sci. Forum* **166-169**, 547-552, 1994.
43. ARTIOLI G., GALLI E.: The crystal structures of orthorhombic and monoclinic palygorskite. *Mat. Sci. Forum* **166-169**, 647-652, 1994.
44. ARTIOLI G., FOY H.J.: Gobbinsite from Magheramorne Quarry, Northern Ireland. *Miner. Mag.* **58**, 615-620, 1994.
45. ARTIOLI G., DAVOLI G.: Low-Ca pyroxenes from LL group chondritic meteorites: crystal structural studies and implications for their thermal histories. *Earth Planet. Sci. Lett.* **128**, 469-478, 1994.
46. MERLINO S., PASERO M., ARTIOLI G., KHOMYAKOV A.P.: Penkvilksite, a new silicate structure: OD character, X-ray single crystal (1M) and powder Rietveld (2O) refinements of two MDO polytypes. *Amer. Miner.* **79**, 1185-1193, 1994.
47. ARTIOLI G., RINALDI R., WILSON C.C., ZANAZZI P.F.: High temperature Fe/Mg cation partitioning in olivine: in situ single crystal neutron diffraction study. *Amer. Miner.* **80**, 197-200, 1995.
48. ARTIOLI G.: Developments of XRPD in Mineralogy. In: Masciocchi N., Artioli G. (eds.) "Il contributo della diffrazione a polveri alla cristallografia strutturale: tecniche Rietveld ed ab-initio". *Ric. Sci. Educ. Perm.* **98**, 223-238, 1995.
49. PASSAGLIA E., ARTIOLI G., GUALTIERI A., CARNEVALI R.: Diagenetic mordenite from Ponza, Italy. *Eur. J. Miner.* **7**, 429-438, 1995.
50. ARTIOLI G., QUARTIERI S., DERIU A.: Spectroscopic studies of coexisting prehnite-pumpellyite and epidote-pumpellyite. *Can. Miner.* **33**, 67-75, 1995.
51. BELLOTTO M., GUALTIERI A., ARTIOLI G., CLARK S.M.: Kinetic study of the kaolinite-mullite reaction sequence. Part I: kaolinite dehydroxylation. *Phys. Chem. Minerals* **22**, 207-214, 1995.
52. GUALTIERI A., BELLOTTO M., ARTIOLI G., CLARK S.M.: Kinetic study of the kaolinite-mullite reaction sequence. Part II: mullite formation. *Phys. Chem. Minerals* **22**, 215-222, 1995.
53. PAVESE A., ARTIOLI G., PRENCIPE M.: X-ray single-crystal diffraction study of pyrope in the temperature range 30-973 K. *Amer. Miner.* **80**, 457-464, 1995.
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