

Giovanni B. Andreozzi

Curriculum Vitae

Place: Rome

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Part I – General Information

Full Name	Giovanni Battista Andreozzi
E-mail	gianni.andreozzi@uniroma1.it
Spoken Languages	Italian, English, French

Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	1993	Sapienza University of Rome	Geological Sciences (110/110 cum Laude)
PhD	1997	Sapienza University of Rome	Earth Sciences
Specialty			Mineralogy (Ph.D. thesis title “Cristallochimica delle axiniti”)
Pre-doctorate training	1994	National Group of Mineralogy (GNM)	Summer school “Physics and Chemistry of mineralogical reactions”, Grado (GO)
	1994	Italian Association of Crystallography	School “Collection, evaluation and interpretation of structural data in crystallography”, Colombella (PG)
	1995	National Group of Mineralogy (GNM)	Summer school “Spectroscopic methods in Mineralogy and Materials Science”, Castro Marina (LE)
	1995	Italian Association of Crystallography	School “Fundamentals of crystal growth”, Colombella (PG)
	1995	University of Pavia	Seminar cycle “Single-crystal X-ray diffraction”, Pavia
	1996	National Group of Mineralogy (GNM)	Summer school “Mineralogy of volcanic areas”, Vulcano (Aeolian Islands)
	1996	European Mineralogical Union	Short course “Crystal growth in Earth Sciences”, S. Vittoria d’Alba (CN)
Post-doctorate training	1997-1999	Department of Mineralogy, Swedish Museum of Natural History	Post-doc researcher “Crystal synthesis and spectroscopic characterisation” (with grant)
	1998	NATO - Advanced Study Institute	Summer school “Microscopic Properties and Processes in

			Minerals" (with grant), Castelvecchio Pascoli (LU)
	1998	University of Padova	National school "Mössbauer Spectroscopy", Padova
	1999	Department of Geosciences, University of Bari	Gain of post-doc position (followed by refusal for contemporary gain of a research grant in Padova)
	1999- 2000	Department of Mineralogy and Petrology, University of Padova	Temporary researcher (two-year contract)
	2000	Mineralogical Society of America	Short course "Transformation Processes in Minerals", Cambridge (UK)
	2004	National Group of Mineralogy (GNM)	Summer school "Physical properties and applications of minerals at the nanoscale", Otranto (LE)
Licensure 01	1994	Sapienza University of Rome	Professional geologist
Licensure 02	2005	Sapienza University of Rome	Evaluator of European projects on Energy and Environment

Part III – Appointments

III A – Academic Appointments

Start	End	Institution	Position
2000	2003	Department of Earth Sciences, Sapienza University of Rome	Assistant Professor (on trial)
2001	2001	Department of Mineralogy, Swedish Museum of Natural History	Visiting scientist (granted by the Italian CNR)
2001	present	Department of Earth Sciences, Sapienza University of Rome	Responsible for the Mössbauer Spectroscopy laboratory
2003	2012	Department of Earth Sciences, Sapienza University of Rome	Assistant Professor (permanent)
2003	2003	Department of Mineralogy, Swedish Museum of Natural History	Visiting scientist (granted by the UE- HIGH LAT program)
2003	2006	Department of Earth Sciences, Sapienza University of Rome	Member of the department Executive board
2004	Present	Department of Earth Sciences, Sapienza University of Rome	Responsible for the Experimental Mineralogy laboratory
2004	2015	Periodico di Mineralogia, Sapienza University of Rome	Editorial Assistant of the international journal "Periodico di Mineralogia" (established in 1930, with IF since 2009)
2006	2012	Ph.D. Programme in Earth Sciences, Sapienza University of Rome	Member of the Programme Committee

2007	2007	Department of Mineralogy, Swedish Museum of Natural History	Visiting scientist (granted by the UE-SYNTHESYS program)
2008	2009	Sapienza University of Rome	Member of the University Research Grants Commission
2009	2009	Geoitalia 2009, VII Forum Italiano di Scienze della Terra, Rimini	Invited speaker (“Color change as a response to local structural relaxation in (Mg,Zn)(Al,Cr) ₂ O ₄ spinels”)
2009	2009	Natural History Museum, London	Invited Italian representative to the First Users Meeting of the UE-SYNTHESYS program
2010	2010	IMA 2010, International Mineralogical Association Meeting, Budapest	Italian delegate to the Working Group on Environmental Mineralogy and Geochemistry
2010	2010	Faculty of Math., Phys., Nat. Sciences, Sapienza University of Rome	Invited speaker, Faculty plenary lecture (“La memoria dei minerali”)
2010	2010	Roma Tre University	Selected for the “Idoneità nazionale” as Associate Professor
2010	2020	Research Executive Agency - European Union (REA-EU), Bruxelles	Expert Evaluator of research projects, panel Environment, Marie Curie calls, FP7 and H2020 programmes
2011	2011	Periodico di Mineralogia, Sapienza University of Rome	Guest Editor of the “Special issue in memory of Sergio Lucchesi”
2011	2012	Faculty of Math., Phys., Nat. Sciences, Sapienza University of Rome	Member of the Faculty Executive board
2012	present	Department of Earth Sciences, Sapienza University of Rome	Associate Professor
2013	2018	Ph.D. Programme in Earth Sciences, Sapienza University of Rome	Coordinator of the Ph.D. Programme Committee
2014	2023	Italian Ministry of Education, University and Research	Attainment of Scientific habilitation (ASN) for the 04/A1 sector
2014	2019	National research agencies at European level (UIF, OSF, AZVO, UEFISCDI)	Expert evaluator of research projects and re-accreditation of PhD programmes
2015	2015	Italian Ministry of Education, University and Research	Research project reviewer for MIUR - SIR 2014
2016	2016	Italian Ministry of Education, University and Research	Research products reviewer for ANVUR - VQR 2011-2014
2016	2016	Ph.D. Programme in Earth Sciences, Roma Tre University	Member of the Final evaluation Commission
2016	2016	Ph.D. Programme in Earth Sciences, Parma University	Member of the Final evaluation Commission
2016	2016	European Mineralogical Conference 2016 (emc2016), Rimini	Keynote speaker (“Topochemistry of iron and surface reactivity of crocidolite and tremolite amphibole asbestos: A comparative case study”)
2017	2017	Ph.D. Programme in Earth Sciences, Parma University	Member of the Final evaluation Commission

2017	2017	European Mineralogical Union (EMU School 2017, Modena)	Invited speaker (“Iron spectroscopy of mineral fibres”)
2017	2018	Ph.D. School “Vito Volterra” in Astronomy, Physics, Mathematics, Chemistry and Earth Sciences, Sapienza University of Rome	Ph.D. School Director
2018	2018	Institut de Minéralogie, de Physique des Matériaux et de Cosmochimie (IMPMC), Sorbonne Université, Paris, France	Visiting Professor (granted by the MATISSE Laboratoire d’Excellence)
2018	2018	IMA 2018, International Mineralogical Association Meeting 2018, Melbourne	Keynote speaker (“Surface reactivity of amphibole asbestos: The influence of crystal chemistry and surface area”)
2018	present	IMA 2018, International Mineralogical Association Meeting 2018, Melbourne	Member of the Working Group “Asbestos, asbestiform minerals, and other respirable minerals that pose potential negative health risks”
2019	2019	Ph.D. Programme in Earth Sciences, Sapienza University of Rome	Organizer and leader of the Ph.D. International field trip in the Afar Depression, Ethiopia
2019	2019	Ph.D. Programme in Earth Sciences, Sapienza University of Rome	President of the Ph.D. Access Commission
2019	2020	Sapienza University of Rome	Member of the University Research Grants Commission

IIIB – Other Appointments

Start	End	Institution	Position
1998	1998	Department of Geological Sciences, University of Stockholm, Sweden	Invited seminar (“Tourmalines in a Brazilian pegmatite”)
1998	1998	Department of Mineralogy and Petrology, University of Padova	Invited seminar (“Sintesi di cristalli di spinello contenenti Fe mediante flux-growth”)
1999	1999	Department of Earth Sciences, University of Uppsala, Sweden	Invited seminar (“Crystal chemistry of axinites”)
2000	present	International journals in Mineralogy and Materials Science (American Mineralogist, Canadian Mineralogist, Ceramics International, European Journal of Mineralogy, J. of Electron Spectroscopy and Related Phenomena, Lithos, Materials Chemistry and Physics, Minerals, Mineralogical Magazine, Mineralogy and Petrology, Nature Communications, Physics and Chemistry of Minerals, etc.)	Manuscript reviewer
2002	present	Institute of Geosciences and Georesources (IGG) and Institute of Environmental Geology and	Research associate

		Geoengineering (IGAG), Italian National Research Center (CNR)	
2006	2006	RAI – Explora (Educational channel)	Invited expert (“Carbonio”, “Minerali e rocce”)
2011	2011	National Group for Mineralogy (GNM), Italian Society of Mineralogy and Petrology (SIMP)	Local organizer of the GNM workshop 2011 in Rome (“L’approccio cristallografico allo studio dei minerali e dei materiali cristallini: una solida base per sviluppi futuri”)
2011	2011	Geoitalia 2011, VIII Forum Italiano di Scienze della Terra, Torino	Session convener (“Minerals and synthetic crystalline materials: characterization, phase transitions, properties and potentials”)
2012	2015	National Group for Mineralogy (GNM), Italian Society of Mineralogy and Petrology (SIMP)	Member of GNM board, co-organizer of annual workshops and schools (“Nuovi minerali: tra ricerca e collezionismo”, “La fisica dei minerali: implicazioni geologiche e applicazioni pratiche”, “I minerali e la luce: l’opportunità della bellezza”)
2014	2014	Congresso SGI-SIMP 2014, Milan	Session convener “Rock-forming minerals and their bearing to petrogenetic processes”
2014	2014	Italian Society of Mineralogy and Petrology (SIMP)	Member of the Prizes and Awards Commission
2014	2015	ECMS 2015, 8 th European Conference on Mineralogy and Spectroscopy, Rome 2015	Organizer and co-chairman
2016	2016	European Journal of Mineralogy (EJM)	Guest Editor of the “Special Issue ECMS 2015”, Vol. 28(3), 2016
2016	2016	National Group for Mineralogy (GNM), Italian Society of Mineralogy and Petrology (SIMP)	Local organizer of the GNM workshop 2016 in Rome (“Modelling the mineralogical word: how and why”)
2018	2021	Italian Society of Mineralogy and Petrology (SIMP)	Member of the Executive board, SIMP delegate in the EJM Managing Committee
2019	2021	TUR2021, International Conference on Tourmaline, Elba Island, 9-11 september 2021	Organizer and co-chairman

Part IV – Teaching experience

Year	Institution	Lecture/Course
2001-2008	Department of Chemistry, Sapienza University of Rome	Mineralogy, then Elements of Mineralogy (6 and 3 CFU, respectively), M.S. in Chemistry
2003-2004	Department of Earth Sciences, Sapienza University of Rome	Systematic Mineralogy (4 CFU), B.S. in Natural Sciences
2003-	Department of Earth Sciences,	Advisor of tens of B.S. and M.S. theses

present	Department of Environmental Biology, Sapienza University of Rome	
2003-2007	Ph.D. Programme in Earth Sciences, Sapienza University of Rome	Supervisor of a Ph.D. thesis in Mineral synthesis (Marco Quintiliani)
2006-2008	Department of Earth Sciences, Sapienza University of Rome	Spectroscopic analysis (3 CFU), M.S. in Georesources
2006-2008	Department of Earth Sciences, Sapienza University of Rome	Crystal growth (3 CFU), M.S. in Georesources
2008-2010	Department of Earth Sciences, Sapienza University of Rome	Phase transitions in Geology (6 CFU), M.S. in Geodynamics, Geophysics and Volcanology
2008-present	Department of Environmental Biology, Sapienza University of Rome	Environmental mineralogy (6 CFU), M.S. in Environmental monitoring and assessment
2008-2015	Department of Environmental Biology, Sapienza University of Rome	Characterization of mineral fibres (3 CFU), M.S. in Environ. monitoring and assessment
2010-2014	Ph.D. Programme in Earth Sciences, Sapienza University of Rome	Supervisor of a Ph.D. thesis in Mineral spectroscopy (Veronica D'Ippolito)
2011-2015	Ph.D. Programme in Earth Sciences, Sapienza University of Rome	Supervisor of a Ph.D. thesis in Mineral Physics (Enrico Bruschini)
2011-present	Department of Earth Sciences, Sapienza University of Rome	Mineralogy (9 CFU), B.S. in Natural Sciences
2019-2023	Ph.D. Programme in Earth Sciences, Sapienza University of Rome	Supervisor of a Ph.D. thesis in Experimental Mineralogy (Beatrice Celata)

Part V - Society memberships, Awards and Honors

Year	Title
2000	Italian Society of Mineralogy and Petrology (SIMP) membership
2000	Mineralogical Society of America (MSA) membership
2002	"Ugo Panichi" SIMP prize (Best young researcher in Mineralogy)
2016	Deep Carbon Observatory (DCO) membership
2017	Italian Society of Crystallography (AIC) membership

Part VI - Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program	Grant value
1999	Realizzazione di un laboratorio per la Spettroscopia Mössbauer	Experimental facilities grants, Sapienza University of Rome	45000 €(I)
2001	Trasformazioni Strutturali, Ordine-Disordine e Transizioni di Fase in Ossidi Multipli e Borosilicati	COFIN 2001 – Rome Research Unit	25000 €(I)
2002	Sintesi e studio chimico, strutturale e spettroscopico di cristalli della serie spinello s.s. – magnesioferrite	MURST – Young researchers	7000 €(PI)
2003	Caratterizzazione chimico-strutturale degli anfiboli fibrosi con tecnologie avanzate	ISPESL – Identificazione, misura e valutazione del rischio da agenti chimici, fisici e biologici	60000 €(I)

2005	Cristallochimica di ossidi multipli della serie degli spinelli	Faculty of MFN Sciences grants, Sapienza University of Rome	21000 €(I)
2006	Cristallochimica e potenzialità applicative di ossidi multipli del gruppo degli spinelli	Faculty of MFN Sciences grants, Sapienza University of Rome	1000 €(PI)
2006	Caratteri mineralogici, chimico-fisici, morfologici e diffusione areale di minerali fibrosi ad alto impatto ambientale e verifica della loro tossicità in ambiente organico	Research grants, Sapienza University of Rome	148600 €(I)
2007	Cristallochimica e potenzialità applicative di ossidi multipli del gruppo degli spinelli	AST research grants, Sapienza University of Rome	6000 €(PI)
2009	Dai minerali ai materiali: relazioni fra struttura, proprietà fisiche e applicazioni in ossidi multipli naturali e di sintesi	Research grants, Sapienza University of Rome	22000 €(PI)
2010	Soluzioni cristallochimiche a problematiche inerenti le applicazioni geologiche e tecnologiche di spinelli a Cr, Fe, Co (SPIN GEO-TECH)	PRIN 2008 – National program	50000 € (PI, National coordinator)
2010	Interazioni fra ordinamento cationico a corto e a lungo raggio in spinelli a Cr, Fe e Co	PRIN 2008 – Rome Research Unit	20000 €(PI)
2010	Is iron topochemistry in minerals a proxy of their chemical reactivity?	FARI grants, Sapienza University of Rome	7500 €(PI)
2011	Dai minerali ai materiali: studio di spinelli appartenenti al sistema (Mg,Fe,Co)(Al,Fe,Cr)2O4 finalizzato ad applicazioni in campo geologico, gemmologico e tecnologico	Research grants, Sapienza University of Rome	31818 €(PI)
2013	Dai minerali ai materiali: studio chimico-strutturale-spettroscopico di spinelli contenenti Mg, Fe, Al, Cr e V con applicazioni in campo geologico, gemmologico e tecnologico	Research grants, Sapienza University of Rome	8500 €(PI)
2015	Relationships between crystal chemistry and physical properties of natural and synthetic spinels of high relevance as minerals and materials	Research grants, Sapienza University of Rome	5000 €(PI)
2016	Ferric iron measurements of clinopyroxene and garnet coexisting with C-O-H fluids in natural and synthetic eclogite/garnet pyroxenite assemblages: implications for the	Deep Carbon Observatory – Deep energy	9500 US \$ (PI)

redox conditions at which abiotic hydrocarbons are stable

2019

Renewal of the Mössbauer Spectroscopy laboratory

Department of Earth Sciences
MIUR grant for Excellent
Departments

39000 €(PI)

Part VII – Research Activities

Keywords

Brief Description

Oxides (spinel group minerals and synthetic analogues)

Borosilicates (tourmaline and axinite groups)

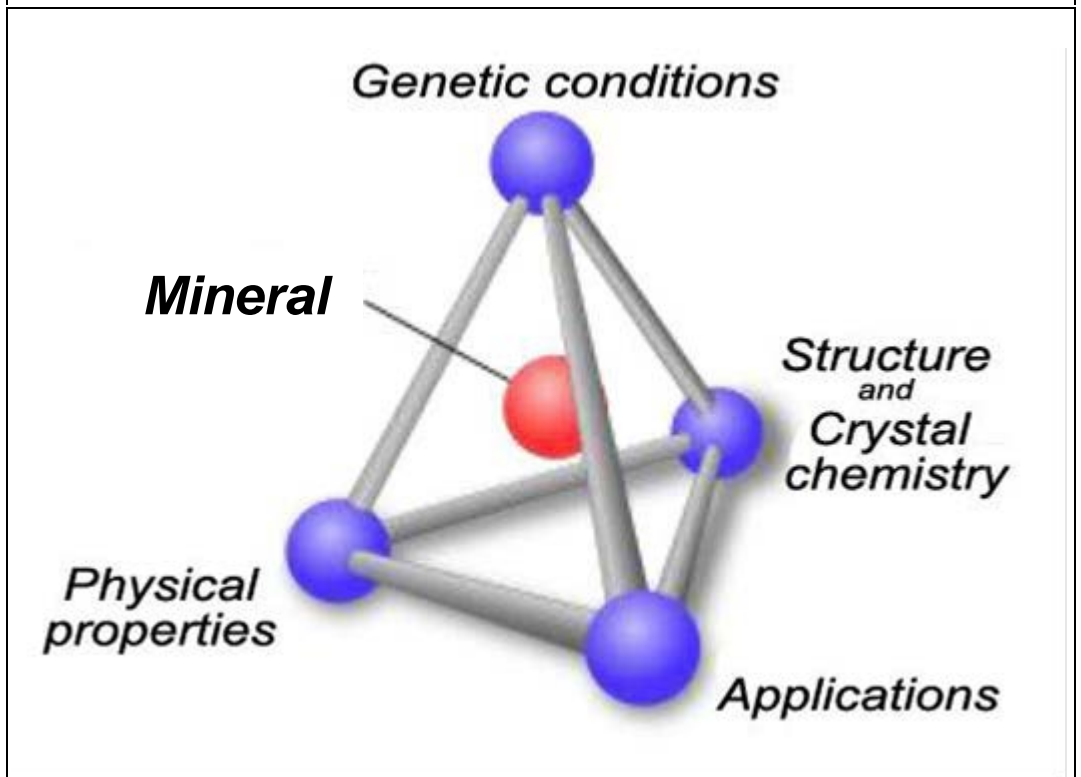
Fibrous minerals (amphibole group)

Crystal chemistry

Mineral spectroscopy (Mössbauer, UV-VIS-NIR, IR, Raman, Brillouin, etc.)

Mineral behaviour and properties (HT, HP, fO_2 , etc.)

Research activity of G.B. Andreozzi has been focused, since the beginning of his career, on minerals and their synthetic analogues with the aim of developing interpretation models able to clarify the relationships among a) genetic conditions (P, T, fO_2 , etc.), b) crystal structure and cation distribution, c) associate physical properties, and d) potential applications in Earth Sciences, Environmental Sciences and Materials Sciences.



Studied minerals belong to oxides and silicates, with specific interest for minerals of the spinel group, borosilicates (tourmaline and axinite), and fibrous and porous silicates (amphiboles and zeolites). Synthetic analogues of spinels were flux-grown in controlled atmosphere so as to obtain gem-quality single crystals (up to mm in size) useful for modelling spinel properties and behaviour at both crust and mantle conditions. Structure and composition of minerals and synthetic materials were characterized using a multi-analytical approach that includes XRD-SREF, HR-TEM, EMP, SIMS and Mössbauer Spectroscopy. Furthermore, bulk optical and vibrational properties were studied by using UV-VIS-NIR, IR and Raman spectroscopies, elastic properties by using DAC-XRD and DAC-Brillouin spectroscopy, while surface properties by using XPS and EPR spectroscopies. Whenever iron was present in the studied system, its speciation as Fe^{2+} and Fe^{3+} cations was accurately investigated and quantified, to correctly describe the intracrystalline cation distribution and/or surface nuclearity. Results obtained have been exploited to help solving problems in geological, environmental and

technological fields. As an example, in Earth Sciences the studies on spinel and tourmaline allowed definition of intracrystalline order-disorder mechanisms, further employed to obtain temperature, pressure and oxygen fugacity and to reconstruct the thermo-baric and thermo-oxidative history of host-rocks. In Environmental Sciences the studies on fibrous amphiboles clarified bulk-surface relationships, ending up with a conceptual model of surface alteration pathway and related mechanisms of asbestos chemical reactivity and toxicity. In Materials Sciences the studies on spinels were fundamental for interpreting colour performance of spinel-based ceramic pigments and forecasting the route to produce new and safer industrial pigments.

Part VIII – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	83	Scopus	1996	2020
Papers [national]	2	Google Scholar	1996	2010
Books [scientific]	1	Biblioteca Nazionale, Roma	1997	1997
Books [teaching]				

Total Impact factor	182.769
Total Citations	1802
Average Citations per Product	21.7
Hirsch (H) index	25
Normalized H index*	1.00

*H index divided by the academic seniority.

Part IX– Selected Publications

List of the publications selected for the evaluation. For each publication report title, authors, reference data, journal IF (if applicable), citations, press/media release (if any).

- 1) Andreozzi G.B., Cellucci F., Gozzi D. (1996). High-temperature electrical conductivity of FeTiO₃ and ilmenite. *Journal of Materials Chemistry*, 6, 987-991. (IF = 1.8, cited by 22)
- 2) Andreozzi G.B., Princivalle F., Skogby H., Della Giusta A. (2000). Cation ordering and structural variations with temperature in MgAl₂O₄ spinel: An X-ray single crystal study. *American Mineralogist*, 85, 1164-1171. (IF = 1.862, cited by 128)
- 3) Andreozzi G.B., Ottolini L., Lucchesi S., Graziani G., Russo U. (2000). Crystal chemistry of the axinite-group minerals: A multi-analytical approach. *American Mineralogist*, 85, 698-706. (IF = 1.862, cited by 21)

- 4) Andreozzi G.B., Lucchesi S., Skogby H., Della Giusta A. (2001). Composition dependence of cation distribution in some synthetic (Mg,Zn)(Al,Fe³⁺)₂O₄ spinels. *European Journal of Mineralogy*, 13, 391-402. (IF = 1.449, cited by 35)
- 5) Andreozzi G.B., Halenius U., Skogby H. (2001). Spectroscopic active ^{IV}Fe³⁺-^{VI}Fe³⁺ clusters in spinel-magnesioferrite solid solution crystals: a potential monitor for ordering in oxide spinels. *Physics and Chemistry of Minerals*, 28, 435-444. (IF = 1.762, cited by 38)
- 6) Andreozzi G.B., Princivalle F. (2002). Kinetics of cation ordering in MgAl₂O₄ spinel. *American Mineralogist*, 87, 838-844. (IF = 1.811, cited by 47)
- 7) Andreozzi G.B., Lucchesi S. (2002). Intersite distribution of Fe²⁺ and Mg in the spinel (sensu stricto)-hercynite series by single-crystal X-ray diffraction. *American Mineralogist*, 87, 1113-1120. (IF = 1.811, cited by 46)
- 8) Andreozzi G.B., Lucchesi S., Graziani G., Russo U. (2004). Site distribution of Fe²⁺ and Fe³⁺ in axinite mineral group: the new crystal-chemical formula. *American Mineralogist*, 89, 1763-1771. (IF = 1.785, cited by 13)
- 9) Andreozzi G.B., Bosi F., Longo M. (2008). Linking Mössbauer and structural parameters in elbaite-schorl-dravite tourmalines. *American Mineralogist*, 93, 658-666. (IF = 1.962, cited by 45)
- 10) Andreozzi G.B., Ballirano P., Gianfagna A., Mazziotti-Tagliani S., Pacella A. (2009). Structural and spectroscopic characterization of a suite of fibrous amphiboles with high environmental and health relevance from Biancavilla (Sicily, Italy). *American Mineralogist*, 94, 1333-1340. (IF = 1.859, cited by 24)
- 11) Pacella A., Fantauzzi M., Turci F., Cremisini C., Montereali M.R., Nardi E., Atzei D., Rossi A., Andreozzi G.B.* (2014). Surface modifications and dissolution reactions of UICC crocidolite in buffered solutions at physiological pH: a combined ICP-OES, XPS and TEM investigation. *Geochimica et Cosmochimica Acta*, 127, 221-232. (IF = 4.331, cited by 22)
- 12) Pacella A., Fantauzzi M., Turci F., Cremisini C., Montereali M.R., Nardi E., Atzei D., Rossi A., Andreozzi G.B.* (2015). Surface alteration mechanism and topochemistry of iron in tremolite asbestos: a step toward understanding the potential hazard of amphibole asbestos. *Chemical Geology*, 405, 28-38. (IF = 3.482, cited by 19)
- 13) Andreozzi G.B., Pacella A., Corazzari I., Tomatis M., Turci F. (2017). Surface reactivity of amphibole asbestos: A comparison between crocidolite and tremolite. *Scientific Reports*, 7(1), 1-9. (IF = 4.122, cited by 13)

- 14) Nestola, F., Zaffiro, G., Mazzucchelli, M. L., Nimis, P., Andreozzi, G.B., Periotto, B., Princivalle F., Lenaz D., Secco L., Pasqualetto L., Logvinova A.M., Sobolev N.V., Lorenzetti A., Harris J.W. (2019). Diamond-inclusion system recording old deep lithosphere conditions at Udachnaya (Siberia). *Scientific reports*, 9(1), 1-8. (IF = 3.998, cited by 5)
- 15) Andreozzi G.B., D'Ippolito V., Skogby, H., Hålenius U., Bosi F. (2019). Color mechanisms in spinel: A multi-analytical investigation of natural crystals with a wide range of coloration. *Physics and Chemistry of Minerals*, 46, 343-360. (IF = 1.657, cited by 2)
- 16) Andreozzi G.B., Bosi F., Celata B., Capizzi L.S., Stagno V., Beckett-Brown C. (2020) Crystal-chemical behavior of Fe²⁺ in tourmaline dictated by structural stability: insights from a schorl with formula Na^Y(Fe²⁺₂Al)^Z(Al₅Fe²⁺)(Si₆O₁₈)(BO₃)₃(OH)₃(OH,F) from Seagull batholith (Yukon Territory, Canada). *Physics and Chemistry of Minerals*, 47(25) (doi.org/10.1007/s00269-020-01094-7). (IF = 1.657, cited by 2)

Note:

* = team coordinator and corresponding author

N. citazioni = Scopus

IF = Impact Factor ricavato da Journal Citation Reports (JCR) anno per anno (dove non disponibile desunto dall'anno con IF disponibile più vicino)

Part X– Definition of new minerals and Science communication

Bosi F., Andreozzi G.B., Skogby H., Lussier A., Ball N.A., Hawthorne F.C. (2011) Fluor-elbaite, IMA 2011-071 (CNMNC Newsletter No. 11, December 2011, page 2891). *Mineralogical Magazine*, 75, 2887-2893.

Bosi F., Andreozzi G.B., Agrosi G., Scandale E. (2012) Fluor-tsilaisite, IMA 2012-044 (CNMNC Newsletter No. 14, October 2012, page 1287). *Mineralogical Magazine*, 76, 1281-1288.

Bosi F., Pezzotta F., Altieri A., Andreozzi G.B., Ballirano P, Tempesta G. (2020) Celleriite, IMA 2019-089 (CNMNC Newsletter 53, February 2020). *European Journal of Mineralogy*, 32, <https://doi.org/10.5194/ejm-32-209-2020>.

Participation to Explora (RAI Educational), 01/05/2006, subject: Carbonio

http://www.explora.rai.it/online/doc.asp?pun_id=922

Participation to Explora (RAI Educational), 24/05/2006, subject: Minerali e Rocce

http://www.explora.rai.it/online/doc.asp?pun_id=942

