

Fabrizio Nestola

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4729691/publications.pdf>

Version: 2024-02-01

306
papers

7,595
citations

93792

39
h-index

97045

71
g-index

322
all docs

322
docs citations

322
times ranked

5628
citing authors

#	ARTICLE	IF	CITATIONS
1	Inclusions in diamonds probe Earth's chemistry through deep time. <i>Communications Chemistry</i> , 2022, 5, .	2.0	3
2	Synthesis of Coordination Polymers and Discrete Complexes from the Reaction of Copper(II) Carboxylates with Pyrazole: Role of Carboxylates Basicity. <i>Crystal Growth and Design</i> , 2022, 22, 1032-1044.	1.4	5
3	Mesoarchean diamonds formed in thickened lithosphere, caused by slab-stacking. <i>Earth and Planetary Science Letters</i> , 2022, 592, 117633.	1.8	8
4	Crystallographic Methods for Non-destructive Characterization of Mineral Inclusions in Diamonds. <i>Reviews in Mineralogy and Geochemistry</i> , 2022, 88, 257-305.	2.2	14
5	Tennantite-(Cd), $Cu_6(Cu_4Cd_2)As_4S_{13}$, from the Berenguela mining district, Bolivia: the first Cd-member of the tetrahedrite group. <i>Mineralogical Magazine</i> , 2022, 86, 834-840.	0.6	7
6	Demagistrisite, the Missing Link in a Polysomatic Series from Lawsonite to Orientite. <i>Canadian Mineralogist</i> , 2021, .	0.3	1
7	Origin, properties, and structure of breyite: The second most abundant mineral inclusion in super-deep diamonds. <i>American Mineralogist</i> , 2021, 106, 38-43.	0.9	22
8	Mineral inclusions are not immutable: Evidence of post-entrapment thermally-induced shape change of quartz in garnet. <i>Earth and Planetary Science Letters</i> , 2021, 555, 116708.	1.8	20
9	The new mineral crowningshieldite: A high-temperature NiS polymorph found in a type IIa diamond from the Letseng mine, Lesotho. <i>American Mineralogist</i> , 2021, 106, 301-308.	0.9	2
10	How to apply elastic geobarometry in geology. <i>American Mineralogist</i> , 2021, 106, 669-671.	0.9	3
11	The best temperature range to acquire reliable thermal infrared spectra from orbit. <i>Scientific Reports</i> , 2021, 11, 13212.	1.6	1
12	Discovery of terrestrial allabogdanite (Fe,Ni) ₂ P, and the effect of Ni and Mo substitution on the barringerite-allabogdanite high-pressure transition. <i>American Mineralogist</i> , 2021, 106, 944-952.	0.9	12
13	Dissolution-Repackaging of Hellandite-(Ce), Mottanaite-(Ce)/Ferri-Mottanaite-(Ce). <i>Minerals (Basel)</i> , 2021, 11, 1078-1104.	0.8	1
14	Origin of micrometer-sized impact diamonds in ureilites by catalytic growth involving Fe-Ni-silicide: The example of Kenna meteorite. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 309, 286-298.	1.6	7
15	EoS of mantle minerals coupled with composition and thermal state of the lithosphere: Inferring the density structure of peridotitic systems. <i>Lithos</i> , 2021, 404-405, 106483.	0.6	7
16	Diamonds in Ureilites: the Never-Ending Story. <i>Elements</i> , 2021, 17, 292-293.	0.5	1
17	Fossil subduction recorded by quartz from the coesite stability field. <i>Geology</i> , 2020, 48, 24-28.	2.0	56
18	Impact shock origin of diamonds in ureilite meteorites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25310-25318.	3.3	28

#	ARTICLE	IF	CITATIONS
19	The mineralogy of the historical Mochalin Log REE deposit, South Urals, Russia. Part II. RadekÅ;kodaite-(La), (CaLa ₅)(Al ₄ Fe ₂₊)[Si ₂ O ₇][SiO ₄]5O(OH) ₃ and radekÅ;kodaite-(Ce), (CaCe ₅)(Al ₄ Fe ₂₊)[Si ₂ O ₇][SiO ₄]5O(OH) ₃ , two new minerals with a novel structure-type belonging to the epidoteâ€tÅrnebohmite polysomatic series. <i>Mineralogical Magazine</i> , 2020, 84, 839-853.	0.6	2
20	â€œEosFit-Pinc: A simple GUI for host-inclusion elastic thermobarometryâ€”Reply to Zhong et al.. <i>American Mineralogist</i> , 2020, , .	0.9	1
21	Graphite-Based Geothermometry on Almahata Sitta Ureilitic Meteorites. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 1005.	0.8	8
22	Evidence for complex iron oxides in the deep mantle from FeNi(Cu) inclusions in superdeep diamond. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21088-21094.	3.3	8
23	Let there be water: How hydration/dehydration reactions accompany key Earth and life processes#. <i>American Mineralogist</i> , 2020, 105, 1152-1160.	0.9	10
24	Record of intermediate-depth subduction seismicity in a dry slab from an exhumed ophiolite. <i>Earth and Planetary Science Letters</i> , 2020, 548, 116490.	1.8	14
25	Pseudotachylite Alteration and the Rapid Fade of Earthquake Scars From the Geological Record. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090020.	1.5	20
26	RÅ¼dingerite, Mn ₂ +2V ₅ +As ₅ +O ₇ Å·2H ₂ O, a New Species Isostructural with Fianelite. <i>Minerals (Basel,)</i> Tj ETQq0 0.0 rgBT /Oyerlock 10	0.8	1
27	Manganese-Containing Inclusions in Late-Antique Glass Mosaic Tesserae: A New Technological Marker?. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 881.	0.8	2
28	Maletoyvayamite, Au ₃ Se ₄ Te ₆ , a new mineral from Maletoyvayam deposit, Kamchatka peninsula, Russia. <i>Mineralogical Magazine</i> , 2020, 84, 117-123.	0.6	8
29	Deep carbon through time: Earthâ€™s diamond record and its implications for carbon cycling and fluid speciation in the mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 275, 99-122.	1.6	26
30	The role of elastic anisotropy in determining the depth of formation for diamonds and their inclusions. <i>Rendiconti Lincei</i> , 2020, 31, 285-293.	1.0	3
31	Thermal infrared emissivity of felsic-rich to mafic-rich analogues of hot planetary regoliths. <i>Earth and Planetary Science Letters</i> , 2020, 534, 116089.	1.8	10
32	Hingganite-(Nd), Nd ₂ Be ₂ Si ₂ O ₈ (OH) ₂ , a new gadolinite-supergruop mineral from Zagi Mountain, Pakistan. <i>Canadian Mineralogist</i> , 2020, 58, 549-562.	0.3	4
33	Redetermination and new description of the crystal structure of vanthoffite, Na ₆ Mg(SO ₄) ₄ . <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 785-789.	0.2	2
34	3T polytype of an iron-rich oxyphlogopite from the Bartoy volcanic field, Transbaikalia: MÃ¶ssbauer, infrared, Raman spectroscopy, and crystal structure. <i>Physics and Chemistry of Minerals</i> , 2019, 46, 899-908.	0.3	5
35	Quantifying hexagonal stacking in diamond. <i>Scientific Reports</i> , 2019, 9, 10334.	1.6	24
36	Patynite, NaCa ₄ [Si ₉ O ₂₃], a New Mineral from the Patynskiy Massif, Southern Siberia, Russia. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 611.	0.8	3

#	ARTICLE	IF	CITATIONS
37	Garnet, the archetypal cubic mineral, grows tetragonal. <i>Scientific Reports</i> , 2019, 9, 14672.	1.6	16
38	Reply to: Evidence for two blue (type IIb) diamond populations. <i>Nature</i> , 2019, 570, E28-E29.	13.7	0
39	Multiphase inclusions associated with residual carbonate in a transition zone diamond from Juina (Brazil). <i>Lithos</i> , 2019, 350-351, 105279.	0.6	6
40	Diamond-inclusion system recording old deep lithosphere conditions at Udachnaya (Siberia). <i>Scientific Reports</i> , 2019, 9, 12586.	1.6	23
41	Diamonds and the Mantle Geodynamics of Carbon. , 2019, , 89-128.		16
42	Non-Metamict Aeschnite-(Y), Polycrase-(Y), and Samarskite-(Y) in NYF Pegmatites from Arvogno, Vigizzo Valley (Central Alps, Italy). <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 313.	0.8	6
43	Automated FTIR mapping of boron distribution in diamond. <i>Diamond and Related Materials</i> , 2019, 96, 207-215.	1.8	30
44	Discovery of asimowite, the Fe-analog of wadsleyite, in shock-melted silicate droplets of the Suizhou L6 and the Quebrada Chimborazo 001 CB3.0 chondrites. <i>American Mineralogist</i> , 2019, 104, 775-778.	0.9	37
45	Fe-rich ferropicrinite and magnesiowüstite inclusions reflecting diamond formation rather than ambient mantle. <i>Geology</i> , 2019, 47, 27-30.	2.0	19
46	Depth of diamond formation obtained from single picrite inclusions. <i>Geology</i> , 2019, 47, 219-222.	2.0	33
47	Jahnsite-(MnMnFe), $Mn_2Mn_2Fe_2+2Fe_3+2(PO_4)_4(OH)_2 \cdot 8H_2O$, a New Phosphate Mineral from the Malpensata Pegmatite, Olgiassa, Colico Municipality, Lecco Province, Italy. <i>Canadian Mineralogist</i> , 2019, 57, 225-233.	0.3	3
48	Protogenetic garnet inclusions and the age of diamonds. <i>Geology</i> , 2019, 47, 431-434.	2.0	22
49	Crystallographic orientations of magnesiochromite inclusions in diamonds: what do they tell us?. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1.	1.2	19
50	Fluorcarmelite-(BaNa), the first Mg-dominant mineral of the arrojadite group. <i>European Journal of Mineralogy</i> , 2019, 31, 823-836.	0.4	1
51	The High-Pressure Structural Evolution of Olivine along the Forsterite-Fayalite Join. <i>Minerals (Basel)</i> , 2019, 9, 12.	0.8	12
52	Cooling history and emplacement of a pyroxenitic lava as proxy for understanding Martian lava flows. <i>Scientific Reports</i> , 2019, 9, 17051.	1.6	8
53	Nixonite, $Na_2Ti_6O_{13}$, a new mineral from a metasomatized mantle garnet pyroxenite from the western Rae Craton, Darby kimberlite field, Canada. <i>American Mineralogist</i> , 2019, 104, 1336-1344.	0.9	3
54	The origin of water on Earth: stars or diamonds?. <i>Rendiconti Lincei</i> , 2019, 30, 261-268.	1.0	4

#	ARTICLE	IF	CITATIONS
55	Discovery of moissanite in a peralkaline syenite from the Azores Islands. <i>Lithos</i> , 2019, 324-325, 68-73.	0.6	6
56	Gladkovskyite, $MnTiAs_3S_6$, a new thallium sulfosal from the Vorontsovskoe gold deposit, Northern Urals, Russia. <i>Journal of Geosciences (Czech Republic)</i> , 2019, , 207-218.	0.3	10
57	$CaSiO_3$ perovskite in diamond indicates the recycling of oceanic crust into the lower mantle. <i>Nature</i> , 2018, 555, 237-241.	13.7	123
58	Depth of formation of super-deep diamonds: Raman barometry of $CaSiO_3$ -wastromite inclusions. <i>American Mineralogist</i> , 2018, 103, 69-74.	0.9	33
59	Very fast crystallisation of MFe_2O_4 spinel ferrites ($M = Co, Mn, Ni, Zn$) under low temperature hydrothermal conditions: a time-resolved structural investigation. <i>Green Chemistry</i> , 2018, 20, 2257-2268.	4.6	25
60	40 years of mineral elasticity: a critical review and a new parameterisation of equations of state for mantle olivines and diamond inclusions. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 95-113.	0.3	49
61	1D and 3D coordination polymers based on the $Cu_3(\frac{1}{4}OH)(\frac{1}{4}pz)_3$ and $Cu(Hpz)_3$ SBUs connected by the flexible glutarate dianion. <i>Inorganica Chimica Acta</i> , 2018, 470, 385-392.	1.2	7
62	How geometry and anisotropy affect residual strain in host-inclusion systems: Coupling experimental and numerical approaches. <i>American Mineralogist</i> , 2018, 103, 2032-2035.	0.9	58
63	Fossil submarine hydrothermalism in metabasalts from the Gudon (Bressanone) amphibolite (Southalpine basement, Eastern Alps, NE Italy). <i>European Journal of Mineralogy</i> , 2018, 30, 355-366.	0.4	1
64	Elastic geothermobarometry: Corrections for the geometry of the host-inclusion system. <i>Geology</i> , 2018, 46, 231-234.	2.0	81
65	Tsygankoite, $Mn_8Ti_8Hg_2(Sb_2Pb_2Ti)_{12}S_{48}$, a New Sulfosal from the Vorontsovskoe Gold Deposit, Northern Urals, Russia. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 218.	0.8	10
66	Blue boron-bearing diamonds from Earth's lower mantle. <i>Nature</i> , 2018, 560, 84-87.	13.7	119
67	Toward a Robust Elastic Geobarometry of Kyanite Inclusions in Eclogitic Diamonds. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 6411-6423.	1.4	19
68	Vorontsovite, $(Hg_5Cu)_{12}Ti_4S_{12}$, and Ferrovorontsovite, $(Fe_5Cu)_{12}Ti_4S_{12}$: The Ti- and Ti-Fe-Analogues of Galkhaite from the Vorontsovskoe Gold Deposit, Northern Urals, Russia. <i>Minerals (Basel)</i> , 2018, 8, 218.	0.8	10
69	Hydrokenopyrochlore, $(\text{Nb},\text{Ta})_2\text{Nb}_2\text{O}_6\cdot\text{H}_2\text{O}$, a new species of the pyrochlore supergroup from the Sahatany Pegmatite Field, Antananarivo Province, Madagascar. <i>European Journal of Mineralogy</i> , 2018, 30, 869-876.	0.4	8
70	Coordination polymers from mild condition reactions of copper(II) carboxylates with pyrazole (Hpz). Influence of carboxylate basicity on the self-assembly of the $[Cu_3(\frac{1}{4}OH)(\frac{1}{4}pz)_3]^{2+}$ secondary building unit. <i>Inorganica Chimica Acta</i> , 2017, 455, 618-626.	1.2	24
71	Mineral inclusions in diamonds may be synchronous but not syngenetic. <i>Nature Communications</i> , 2017, 8, 14168.	5.8	46
72	Inclusions in super-deep diamonds: windows on the very deep Earth. <i>Rendiconti Lincei</i> , 2017, 28, 595-604.	1.0	17

#	ARTICLE	IF	CITATIONS
73	Thermo-elastic behavior of grossular garnet at high pressures and temperatures. <i>American Mineralogist</i> , 2017, 102, 851-859.	0.9	38
74	As-bearing new mineral species from Valletta mine, Maira Valley, Piedmont, Italy: III. Canosioite, $Ba_2Fe_3+(AsO_4)_2(OH)$, description and crystal structure. <i>Mineralogical Magazine</i> , 2017, 81, 305-317.	0.6	7
75	Wampenite, $C_{18}H_{16}$, a new organic mineral from the fossil conifer locality at Wampen, Bavaria, Germany. <i>European Journal of Mineralogy</i> , 2017, 29, 511-515.	0.4	6
76	Richardsollyite, $TlPbAsS_3$, a new sulfosalt from the Lengenbach quarry, Binn Valley, Switzerland. <i>European Journal of Mineralogy</i> , 2017, 29, 679-688.	0.4	7
77	Non-destructive, multi-method, internal analysis of multiple inclusions in a single diamond: First occurrence of mackinawite $(Fe,Ni)_{1+x}S$. <i>American Mineralogist</i> , 2017, 102, 2235-2243.	0.9	5
78	First crystal-structure determination of natural lansfordite, $MgCO_3 \cdot 5H_2O$. <i>Mineralogical Magazine</i> , 2017, 81, 1063-1071.	0.6	3
79	EosFit-Pinc: A simple GUI for host-inclusion elastic thermobarometry. <i>American Mineralogist</i> , 2017, 102, 1957-1960.	0.9	94
80	A simple and generalised P - T - V EoS for continuous phase transitions, implemented in EosFit and applied to quartz. <i>Contributions To Mineralogy and Petrology</i> , 2017, 172, 1.	1.2	75
81	Post-magmatic solid solutions of $CaCeAl_2(Fe_3+2/3)^{-1/3}[Si_2O_7][SiO_4]O(OH)$, allanite-(Ce) and REE-bearing epidote in miarolitic pegmatites of Permian Baveno granite (Verbania, central-southern alps, Italy). <i>Mineralogy and Petrology</i> , 2017, 111, 315-323.	0.4	1
82	Neutral dinuclear gold(I) complexes with N-phosphanyl, N-heterocyclic carbenes (NHCPs). <i>Journal of Organometallic Chemistry</i> , 2017, 829, 71-78.	0.8	12
83	Non-Destructive In Situ Study of Plastic Deformations in Diamonds: X-ray Diffraction Topography and μ FTIR Mapping of Two Super Deep Diamond Crystals from São Luiz (Juina, Brazil). <i>Crystals</i> , 2017, 7, 233.	1.0	12
84	Fossil intermediate-depth earthquakes in subducting slabs linked to differential stress release. <i>Nature Geoscience</i> , 2017, 10, 960-966.	5.4	61
85	<i>EosFit7-GUI</i> : a new graphical user interface for equation of state calculations, analyses and teaching. <i>Journal of Applied Crystallography</i> , 2016, 49, 1377-1382.	1.9	329
86	Evidence for H_2O -bearing fluids in the lower mantle from diamond inclusion. <i>Lithos</i> , 2016, 265, 237-243.	0.6	57
87	Tetragonal Almandine-Pyropite Phase, TAPP: finally a name for it, the new mineral jeffbenite. <i>Mineralogical Magazine</i> , 2016, 80, 1219-1232.	0.6	41
88	The role of Fe content on the Fe-Mg exchange reaction in augite. <i>American Mineralogist</i> , 2016, 101, 2747-2750.	0.9	8
89	Large gem diamonds from metallic liquid in Earth's deep mantle. <i>Science</i> , 2016, 354, 1403-1405.	6.0	266
90	Monazite-(Ce) and Xenotime-(Y) From An Lct, NYF Tertiary Pegmatite Field: Evidence From A Regional Study In the Central Alps (Italy and Switzerland). <i>Canadian Mineralogist</i> , 2016, 54, 863-877.	0.3	5

#	ARTICLE	IF	CITATIONS
91	Ferrostalderite, $\text{CuFe}_2\text{TlAs}_2\text{S}_6$, a new mineral from Lengenbach, Switzerland: occurrence, crystal structure, and emphasis on the role of iron in sulfosalts. <i>Mineralogical Magazine</i> , 2016, 80, 175-186.	0.6	9
92	Chromium solubility in anhydrous Phase B. <i>Physics and Chemistry of Minerals</i> , 2016, 43, 103-110.	0.3	11
93	Tracing the depositional history of Kalimantan diamonds by zircon provenance and diamond morphology studies. <i>Lithos</i> , 2016, 265, 159-176.	0.6	38
94	Crystallographic orientations of olivine inclusions in diamonds. <i>Lithos</i> , 2016, 265, 312-316.	0.6	21
95	Depth of formation of CaSiO_3 -wastromite included in super-deep diamonds. <i>Lithos</i> , 2016, 265, 138-147.	0.6	55
96	Structural characterization of natural diamond shocked to 60 GPa; implications for Earth and planetary systems. <i>Lithos</i> , 2016, 265, 214-221.	0.6	30
97	Source assemblage types for cratonic diamonds from X-ray synchrotron diffraction. <i>Lithos</i> , 2016, 265, 334-338.	0.6	9
98	Super-deep diamonds and their mineral inclusions: an overview. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s70-s70.	0.0	0
99	Fibrous minerals from Somma-Vesuvius volcanic complex. <i>Mineralogy and Petrology</i> , 2016, 110, 471-489.	0.4	2
100	A century of mineral structures: How well do we know them?. <i>American Mineralogist</i> , 2016, 101, 1036-1045.	0.9	27
101	X-ray topographic study of a diamond from Udachnaya: Implications for the genetic nature of inclusions. <i>Lithos</i> , 2016, 248-251, 153-159.	0.6	23
102	First evidence of hydrous silicic fluid films around solid inclusions in gem-quality diamonds. <i>Lithos</i> , 2016, 260, 384-389.	0.6	61
103	High-quality structures at high pressure? Insights from inclusions in diamonds. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2016, 231, 467-473.	0.4	7
104	Synchrotron Mössbauer Source technique for in situ measurement of iron-bearing inclusions in natural diamonds. <i>Lithos</i> , 2016, 265, 328-333.	0.6	17
105	Diamond and its olivine inclusions: A strange relation revealed by ab initio simulations. <i>Earth and Planetary Science Letters</i> , 2016, 435, 31-35.	1.8	20
106	Multi-methodological characterisation of calcium phosphate in late-Antique glass mosaic tesserae. <i>Microchemical Journal</i> , 2016, 124, 811-818.	2.3	31
107	Diamonds and water in the deep Earth: a new scenario. <i>International Geology Review</i> , 2016, 58, 263-276.	1.1	40
108	5. Ringwoodite: its importance in Earth Sciences. , 2015, , 127-148.		3

#	ARTICLE	IF	CITATIONS
109	Crystal structure mechanism of the hydrostatic compression in Mg-rich orthopyroxene. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015, 71, s370-s370.	0.0	0
110	OrientXplot – a program to analyse and display relative crystal orientations. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015, 71, s82-s82.	0.0	0
111	Development of an ultra-miniaturised XRD/XRF instrument for the in situ mineralogical and chemical analysis of planetary soils and rocks: implication for archaeometry. <i>Rendiconti Lincei</i> , 2015, 26, 529-537.	1.0	4
112	First-principle modelling of forsterite surface properties: Accuracy of methods and basis sets. <i>Journal of Computational Chemistry</i> , 2015, 36, 1439-1445.	1.5	14
113	Melting and cataclastic features in shatter cones in basalt from the Vista Alegre impact structure, Brazil. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1228-1243.	0.7	11
114	How large are departures from lithostatic pressure? Constraints from host-inclusion elasticity. <i>Journal of Metamorphic Geology</i> , 2015, 33, 801-813.	1.6	84
115	First evidence of P21/n to P21/c structural transformation in pyroxene-type LiAlGe ₂ O ₆ under high-pressure conditions. <i>Journal of Solid State Chemistry</i> , 2015, 228, 250-257.	1.4	4
116	Eckerite, Ag ₂ CuAsS ₃ , a new Cu-bearing sulfosalt from Lenggenbach quarry, Binn valley, Switzerland: description and crystal structure. <i>Mineralogical Magazine</i> , 2015, 79, 687-694.	0.6	7
117	A new micro-furnace for in situ high-temperature single-crystal X-ray diffraction measurements. <i>Journal of Applied Crystallography</i> , 2015, 48, 1192-1200.	1.9	3
118	Garnet inclusions in diamond: the role of elastic properties. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015, 71, s346-s346.	0.0	0
119	Interaction of the Trinuclear Triangular Secondary Building Unit [Cu ₃ ($\frac{1}{4}$ -OH)($\frac{1}{4}$ -pz) ₃] ²⁺ with 4,4'-Bipyridine. Structural Characterizations of New Coordination Polymers and Hexanuclear Cu ₆ Clusters. <i>2A° Crystal Growth and Design</i> , 2015, 15, 1259-1272.	1.4	20
120	Dynamics of mineral crystallization from precipitated slab-derived fluid phase: first in situ synchrotron X-ray measurements. <i>Contributions To Mineralogy and Petrology</i> , 2015, 169, 1.	1.2	13
121	Volume thermal expansion along the jadeite – diopside join. <i>Physics and Chemistry of Minerals</i> , 2015, 42, 1-14.	0.3	25
122	The crucial role of crystallography in diamond research. <i>Rendiconti Lincei</i> , 2015, 26, 225-233.	1.0	9
123	Computational Approach to the Study of Epitaxy: Natural Occurrence in Diamond/Forsterite and Aragonite/Zabuyelite. <i>Crystal Growth and Design</i> , 2015, 15, 2979-2987.	1.4	12
124	H ₂ O in olivine and garnet inclusions still trapped in diamonds from the Siberian craton: Implications for the water content of cratonic lithosphere peridotites. <i>Lithos</i> , 2015, 230, 180-183.	0.6	39
125	Thermal expansion behaviour of orthopyroxenes: the role of the Fe-Mn substitution. <i>Mineralogical Magazine</i> , 2015, 79, 71-87.	0.6	7
126	As-bearing new mineral species from Valletta mine, Maira Valley, Piedmont, Italy: Il. Braccoite, NaMn ₂₊₅ [Si ₅ AsO ₁₇ (OH)](OH), description and crystal structure. <i>Mineralogical Magazine</i> , 2015, 79, 171-189.	0.6	8

#	ARTICLE	IF	CITATIONS
127	Equation of state of hercynite, FeAl_2O_4 , and high-pressure systematics of Mg-Fe-Cr-Al spinels. <i>Mineralogical Magazine</i> , 2015, 79, 285-294.	0.6	15
128	Diamond "garnet geobarometry: The role of garnet compressibility and expansivity. <i>Lithos</i> , 2015, 227, 140-147.	0.6	67
129	Shilovite, natural copper(II) tetrammine nitrate, a new mineral species. <i>Mineralogical Magazine</i> , 2015, 79, 613-623.	0.6	19
130	<i>OrientXplot</i> : a program to analyse and display relative crystal orientations. <i>Journal of Applied Crystallography</i> , 2015, 48, 1330-1334.	1.9	20
131	Diamond thermoelastic properties and implications for determining the pressure of formation of diamond "inclusion systems. <i>Russian Geology and Geophysics</i> , 2015, 56, 211-220.	0.3	54
132	Synthesis and Structural Characterizations of New Coordination Polymers Generated by the Interaction Between the Trinuclear Triangular SBU $[\text{Cu}_3(\mu_3\text{-OH})(\mu_4\text{-pz})_3]^{2+}$ and 4,4'-Bipyridine. <i>Crystal Growth and Design</i> , 2015, 15, 4854-4862.	1.4	21
133	Ralphcannonite, $\text{AgZn}_2\text{TlAs}_2\text{S}_6$, a new mineral of the routhierite isotypic series from Lengenbach, Binn Valley, Switzerland. <i>Mineralogical Magazine</i> , 2015, 79, 1089-1098.	0.6	12
134	Reaction of Copper(II) Chloroacetate with Pyrazole. Synthesis of a One-Dimensional Coordination Polymer and Unexpected Dehydrochlorination Reaction. <i>Crystal Growth and Design</i> , 2015, 15, 5910-5918.	1.4	18
135	Karpenkoite, $\text{Co}_3(\text{V}_2\text{O}_7)(\text{OH})_2 \cdot 2\text{H}_2\text{O}$, a cobalt analogue of martyrite from the Little Eva mine, Grand County, Utah, USA. <i>Journal of Geosciences (Czech Republic)</i> , 2015, , 251-257.	0.3	6
136	A new micro-furnace for 'in situ' high-temperature single-crystal X-ray diffraction measurements. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015, 71, s348-s348.	0.0	0
137	Olivine with diamond-imposed morphology included in diamonds. Syngensis or protogenesis?. <i>International Geology Review</i> , 2014, 56, 1658-1667.	1.1	59
138	In-situ high-temperature emissivity spectra and thermal expansion of C2/c pyroxenes: Implications for the surface of Mercury. <i>American Mineralogist</i> , 2014, 99, 786-792.	0.9	16
139	Phase transitions during compression of thaumasite, $\text{Ca}_3\text{Si}(\text{OH})_6(\text{CO}_3)(\text{SO}_4) \cdot 12\text{H}_2\text{O}$: A high-pressure synchrotron powder X-ray diffraction study. <i>Mineralogical Magazine</i> , 2014, 78, 1193-1208.	0.6	7
140	Time-of-flight neutron powder diffraction with milligram samples: the crystal structures of NaCoF_3 and NaNiF_3 post-perovskites. <i>Journal of Applied Crystallography</i> , 2014, 47, 1939-1947.	1.9	6
141	Tl-bearing sulfosalt from the Lengenbach quarry, Binn Valley, Switzerland: Philrothite, TlAs_3S_5 . <i>Mineralogical Magazine</i> , 2014, 78, 1-9.	0.6	19
142	Microanalyses link sulfur from large igneous provinces and Mesozoic mass extinctions. <i>Geology</i> , 2014, 42, 895-898.	2.0	63
143	Mapiquiroite, $(\text{Sr,Pb})(\text{U,Y})\text{Fe}_2(\text{Ti,Fe}^{3+})_{18}\text{O}_{38}$, a new member of the crichtonite group from the Apuan Alps, Tuscany, Italy. <i>European Journal of Mineralogy</i> , 2014, 26, 427-437.	0.4	13
144	Hydrous mantle transition zone indicated by ringwoodite included within diamond. <i>Nature</i> , 2014, 507, 221-224.	13.7	613

#	ARTICLE	IF	CITATIONS
145	Chiaraita: A new mineral from Vesuvius volcano, Naples (Italy). <i>American Mineralogist</i> , 2014, 99, 519-524.	0.9	4
146	Synthesis and reactivity of Ln- and LnNa-macrocyclic compartmental Schiff base and polyamino complexes. <i>Inorganica Chimica Acta</i> , 2014, 416, 226-234.	1.2	2
147	Analysis of the Configurations of a Crystal Surface. Pyrope ($\text{Mg}_3\text{Al}_2\text{Si}_3\text{O}_{12}$) as a Case Study. <i>Crystal Growth and Design</i> , 2014, 14, 2357-2365.	1.4	7
148	Multi-methodological investigation of kunzite, hiddenite, alexandrite, elbaite and topaz, based on laser-induced breakdown spectroscopy and conventional analytical techniques for supporting mineralogical characterization. <i>Physics and Chemistry of Minerals</i> , 2014, 41, 127-140.	0.3	34
149	Configurational and energy study of the (100) and (110) surfaces of the MgAl_2O_4 spinel by means of quantum mechanical and empirical techniques. <i>CrystEngComm</i> , 2014, 16, 9224-9235.	1.3	10
150	Geobarometry from host-inclusion systems: The role of elastic relaxation. <i>American Mineralogist</i> , 2014, 99, 2146-2149.	0.9	119
151	Pressure-volume equation of state for chromite and magnesiochromite: A single-crystal X-ray diffraction investigation. <i>American Mineralogist</i> , 2014, 99, 1248-1253.	0.9	18
152	Ab Initio Calculations of the Main Crystal Surfaces of Forsterite (Mg_2SiO_4): A Preliminary Study to Understand the Nature of Geochemical Processes at the Olivine Interface. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2498-2506.	1.5	48
153	The (100), (111) and (110) surfaces of diamond: an <i>ab initio</i> B3LYP study. <i>Molecular Physics</i> , 2014, 112, 1030-1039.	0.8	55
154	Tondiite, $\text{Cu}_3\text{Mg}(\text{OH})_6\text{Cl}_2$, the Mg-analogue of herbertsmithite. <i>Mineralogical Magazine</i> , 2014, 78, 583-590.	0.6	20
155	Toward an accurate <i>ab initio</i> estimation of compressibility and thermal expansion of diamond in the [0, 3000 K] temperature and [0, 30 GPa] pressures ranges, at the hybrid HF/DFT theoretical level. <i>American Mineralogist</i> , 2014, 99, 1147-1154.	0.9	16
156	Ichnuasaite, $\text{Th}(\text{MoO}_4)_2 \cdot 3\text{H}_2\text{O}$, the first natural thorium molybdate: Occurrence, description, and crystal structure. <i>American Mineralogist</i> , 2014, 99, 2089-2094.	0.9	10
157	Arsenic-bearing new mineral species from Valletta mine, Maira Valley, Piedmont, Italy: I. Grandaite, $\text{Sr}_2\text{Al}(\text{AsO}_4)_2(\text{OH})$, description and crystal structure. <i>Mineralogical Magazine</i> , 2014, 78, 757-774.	0.6	14
158	High-pressure behavior of thiospinel CuCr_2S_4 . <i>American Mineralogist</i> , 2014, 99, 908-913.	0.9	4
159	UCP4C mediates uncoupled respiration in larvae of <i>Drosophila melanogaster</i> . <i>EMBO Reports</i> , 2014, 15, 586-591.	2.0	31
160	Manganoblaugite, $\text{Na}_2\text{Mn}(\text{SO}_4)_2 \cdot 4\text{H}_2\text{O}$, and cobaltoblaugite, $\text{Na}_2\text{Co}(\text{SO}_4)_2 \cdot 4\text{H}_2\text{O}$: two new members of the blaugite group from the Blue Lizard mine, San Juan County, Utah, USA. <i>Mineralogical Magazine</i> , 2013, 77, 367-383.	0.6	15
161	Correction to New Coordination Polymers and Porous Supramolecular Metal Organic Network Based on the Trinuclear Triangular Secondary Building Unit $[\text{Cu}_3(\mu_3\text{-OH})(\mu_2\text{-pz})_2]^{2+}$ and 4,4'-Bipyridine. <i>Crystal Growth and Design</i> , 2013, 13, 1799-1799.		1
162	High-pressure X-ray study of $\text{LiCrSi}_2\text{O}_6$ clinopyroxene and the general compressibility trends for Li-clinopyroxenes. <i>Physics and Chemistry of Minerals</i> , 2013, 40, 387-399.	0.3	4

#	ARTICLE	IF	CITATIONS
163	Olivine thermal emissivity under extreme temperature ranges: Implication for Mercury surface. Earth and Planetary Science Letters, 2013, 371-372, 252-257.	1.8	20
164	Oxycalciorom��ite, Ca ₂ Sb ₂ O ₆ O, from Buca della Vena mine, Apuan Alps, Tuscany, Italy: a new member of the pyrochlore supergroup. Mineralogical Magazine, 2013, 77, 3027-3037.	0.6	20
165	Platinum(II) Complexes with Novel Diisocyanide Ligands: Catalysts in Alkyne Hydroarylation. Organometallics, 2013, 32, 7153-7162.	1.1	27
166	Deveroitte-(Ce): a new REE-oxalate from Mount Cervandone, Devero Valley, Western-Central Alps, Italy. Mineralogical Magazine, 2013, 77, 3019-3026.	0.6	12
167	Compressibility and structural stability of two variably hydrated olivine samples (Fo ₉₇ Fa ₃) to 34 GPa by X-ray diffraction and Raman spectroscopy. American Mineralogist, 2013, 98, 1972-1979.	0.9	10
168	N-Phosphorylated Azolylienes: Novel Ligands for Dinuclear Complexes of Coinage Metals. Organometallics, 2013, 32, 718-721.	1.1	42
169	Coordination Polymers Based on the Trinuclear Triangular Secondary Building Unit [Cu ₃ (¹ / ₄ -OH)(¹ / ₄ -pz) ₃] ²⁺ (pz = pyrazolate) and Succinate Anion. Crystal Growth and Design, 2013, 13, 126-135.	1.4	26
170	New milarite/osumilite-type phase formed during ancient glazing of an Egyptian scarab. Applied Physics A: Materials Science and Processing, 2013, 110, 371-377.	1.1	7
171	Diamonds and the Geology of Mantle Carbon. Reviews in Mineralogy and Geochemistry, 2013, 75, 355-421.	2.2	360
172	Re-investigation of lead(II) formate. Acta Crystallographica Section C: Crystal Structure Communications, 2013, 69, 41-43.	0.4	4
173	Strong inheritance of texture between perovskite and post-perovskite in the D���� layer. Nature Geoscience, 2013, 6, 575-578.	5.4	40
174	Thermo-elastic behaviour of Be ₂ B ₃ O ₃ OH (hambergite) up to 7��Pa and 1,100��K. Physics and Chemistry of Minerals, 2013, 40, 401-409.	0.3	0
175	Saltonseaite, K ₃ NaMn ₂ Cl ₆ , the Mn analogue of rinneite from the Salton Sea, California. American Mineralogist, 2013, 98, 231-235.	0.9	5
176	The alunite supergroup under high pressure: the case of natrojarosite, NaFe ₃ (SO ₄) ₂ (OH) ₆ . Mineralogical Magazine, 2013, 77, 3007-3017.	0.6	4
177	Dervillite, Ag ₂ AsS ₂ , from Lengnabach quarry, Binn valley, Switzerland: occurrence and crystal structure. Mineralogical Magazine, 2013, 77, 3105-3112.	0.6	4
178	SINNERITE, Cu ₆ As ₄ S ₉ , FROM THE LENGNABACH QUARRY, BINN VALLEY, SWITZERLAND: DESCRIPTION AND RE-INVESTIGATION OF THE CRYSTAL STRUCTURE. Canadian Mineralogist, 2013, 51, 851-860.	0.3	7
179	Looking for jarosite on Mars: The low-temperature crystal structure of jarosite. American Mineralogist, 2013, 98, 1966-1971.	0.9	23
180	12. Diamonds and the Geology of Mantle Carbon. , 2013, , 355-422.		8

#	ARTICLE	IF	CITATIONS
181	Elasticity and high-pressure structure of arsenoflorencite-(La): insights into the high-pressure behaviour of the alunite supergroup. <i>Mineralogical Magazine</i> , 2012, 76, 975-985.	0.6	3
182	THE ROLE OF THE Sb ³⁺ LONE-ELECTRON PAIRS AND Fe ²⁺ COORDINATION IN THE HIGH-PRESSURE BEHAVIOR OF BERTHIERITE. <i>Canadian Mineralogist</i> , 2012, 50, 201-218.	0.3	3
183	The effects of composition upon the high-pressure behaviour of amphiboles: compression of gedrite to 7 GPa and a comparison with anthophyllite and proto-amphibole. <i>Mineralogical Magazine</i> , 2012, 76, 987-995.	0.6	9
184	Debattistiite, Ag ₉ Hg _{0.5} As ₆ S ₁₂ Te ₂ , a new Te-bearing sulfosalt from Lengnabach quarry, Binn valley, Switzerland: description and crystal structure. <i>Mineralogical Magazine</i> , 2012, 76, 743-750.	0.6	3
185	Xenotime-(Y) and Sn-rich thortveitite in miarolitic pegmatites from Baveno, Southern Alps, Italy. <i>Mineralogical Magazine</i> , 2012, 76, 761-767.	0.6	7
186	A single-crystal neutron diffraction study of hambergite, Be ₂ BO ₃ (OH,F). <i>American Mineralogist</i> , 2012, 97, 1891-1897.	0.9	13
187	Re-investigation of the crystal structure of enstatite under high-pressure conditions. <i>American Mineralogist</i> , 2012, 97, 1741-1748.	0.9	16
188	High-pressure behavior of space group P2 ₁ /n omphacite. <i>American Mineralogist</i> , 2012, 97, 407-414.	0.9	12
189	Synthetic LiAlGe ₂ O ₆ : The first pyroxene with P2 ₁ /n symmetry. <i>American Mineralogist</i> , 2012, 97, 1213-1218.	0.9	12
190	In situ analysis of garnet inclusion in diamond using single-crystal X-ray diffraction and X-ray micro-tomography. <i>European Journal of Mineralogy</i> , 2012, 24, 599-606.	0.4	22
191	Kinetics of cation ordering in synthetic Mg(Al, Fe ³⁺) ₂ O ₄ spinels. <i>European Journal of Mineralogy</i> , 2012, 24, 633-643.	0.4	8
192	Diamonds, the mantle petrologist's best friends. <i>European Journal of Mineralogy</i> , 2012, 24, 561-562.	0.4	2
193	Inclusions under remnant pressure in diamond: a multi-technique approach. <i>European Journal of Mineralogy</i> , 2012, 24, 563-573.	0.4	37
194	Tazzoliite: a new mineral with a pyrochlore-related structure from the Euganei Hills, Padova, Italy. <i>Mineralogical Magazine</i> , 2012, 76, 827-838.	0.6	2
195	Te-RICH CANFIELDITE, Ag ₈ Sn(S,Te) ₆ , FROM THE LENGNABACH QUARRY, BINNTAL, CANTON VALAIS, SWITZERLAND: OCCURRENCE, DESCRIPTION AND CRYSTAL STRUCTURE. <i>Canadian Mineralogist</i> , 2012, 50, 111-118.	0.3	12
196	Raberite, Tl ₅ Ag ₄ As ₆ SbS ₁₅ , a new Tl-bearing sulfosalt from Lengnabach quarry, Binn valley, Switzerland: description and crystal structure. <i>Mineralogical Magazine</i> , 2012, 76, 1153-1163.	0.6	10
197	Coordination polymers based on trinuclear and mononuclear copper-pyrazolate building moieties connected by fumarate or 2-methylfumarate ions. <i>Journal of Organometallic Chemistry</i> , 2012, 714, 74-80.	0.8	21
198	Witzkeite: A new rare nitrate-sulphate mineral from a guano deposit at Punta de Lobos, Chile. <i>American Mineralogist</i> , 2012, 97, 1783-1787.	0.9	7

#	ARTICLE	IF	CITATIONS
199	Mejillonesite, a new acid sodium, magnesium phosphate mineral, from Mejillones, Antofagasta, Chile. <i>American Mineralogist</i> , 2012, 97, 19-25.	0.9	10
200	On the high-pressure behavior of gobbinsite, the natural counterpart of the synthetic zeolite Na ⁺ P2. <i>Microporous and Mesoporous Materials</i> , 2012, 163, 259-269.	2.2	14
201	Piemontite-(Pb), CaPbAl ₂ Mn ₃ [Si ₂ O ₇][SiO ₄]O(OH), a new mineral species of the epidote supergroup. <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2012, 189, 275-286.	0.1	6
202	New Coordination Polymers and Porous Supramolecular Metal Organic Network Based on the Trinuclear Triangular Secondary Building Unit [Cu ₃ (¹ / ₄ -OH)(¹ / ₄ -pz) ₃] ₂ ⁺ and 4,4'-Bipyridine. 1 ^o . <i>Crystal Growth and Design</i> , 2012, 12, 2890-2901.	1.4	40
203	Compressibility of ¹² -As ₄ S ₄ : an <i>in situ</i> high-pressure single-crystal X-ray study. <i>Mineralogical Magazine</i> , 2012, 76, 963-973.	0.6	9
204	New thermoelastic parameters of natural C2/c omphacite. <i>Physics and Chemistry of Minerals</i> , 2012, 39, 295-304.	0.3	9
205	Anisotropic mean-squared-displacement tensor in cubic almandine garnet: a single crystal 57Fe M ^o ssbauer study. <i>Physics and Chemistry of Minerals</i> , 2012, 39, 561-575.	0.3	4
206	Compressibility of NaMnSi ₂ O ₆ : The role of electronic isovalency for the validity of bulk-modulus ^o volume relationship. <i>Solid State Sciences</i> , 2012, 14, 1036-1039.	1.5	3
207	High-pressure behavior of NaInSi ₂ O ₆ and the influence of Me ³⁺ on the compressibility of NaMe ³⁺ Si ₂ O ₆ silicates. <i>Solid State Communications</i> , 2012, 152, 132-137.	0.9	6
208	High-pressure I2/c-P21/c phase transformation in SrAl ₂ Si ₂ O ₈ feldspar. <i>American Mineralogist</i> , 2011, 96, 1182-1185.	0.9	4
209	Comparison between beryllium and diamond-backing plates in diamond-anvil cells: Application to single-crystal x-ray diffraction high-pressure data. <i>Review of Scientific Instruments</i> , 2011, 82, 055111.	0.6	14
210	An atomic force microscopy study of diamond dissolution features: The effect of H ₂ O and CO ₂ in the fluid on diamond morphology. <i>American Mineralogist</i> , 2011, 96, 1768-1775.	0.9	17
211	High-pressure crystal structure investigation of synthetic Fe ₂ SiO ₄ spinel. <i>Mineralogical Magazine</i> , 2011, 75, 2649-2655.	0.6	9
212	First crystal-structure determination of olivine in diamond: Composition and implications for provenance in the Earth's mantle. <i>Earth and Planetary Science Letters</i> , 2011, 305, 249-255.	1.8	71
213	Bader's analysis of the electron density in the Pbcn enstatite - Pbcn protoenstatite phase transition. <i>European Journal of Mineralogy</i> , 2011, 23, 197-205.	0.4	9
214	High-pressure behavior of the synthetic Ca ₂ Sb ₂ O ₇ weberite-type compound. <i>Solid State Sciences</i> , 2011, 13, 1092-1095.	1.5	15
215	Thermoelastic and thermodynamic properties of plagioclase feldspars from thermal expansion measurements. <i>American Mineralogist</i> , 2011, 96, 992-1002.	0.9	28
216	Fassinaitite, Pb ₂ ²⁺ (S ₂ O ₃)(CO ₃), the first mineral with coexisting thiosulphate and carbonate groups: description and crystal structure. <i>Mineralogical Magazine</i> , 2011, 75, 2721-2732.	0.6	9

#	ARTICLE	IF	CITATIONS
217	HT P21/câ€“C2/c phase transition and kinetics of Fe ²⁺ +Mg orderâ€“disorder of an Fe-poor pigeonite: implications for the cooling history of ureilites. <i>Contributions To Mineralogy and Petrology</i> , 2011, 162, 599-613.	1.2	25
218	Pyroxene inclusions in paleo-Christian mosaic tesserae: a new tool for constraining the glass manufacturing temperature. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 103, 207-212.	1.1	4
219	High-pressure thermo-elastic properties of beryl (Al ₄ Be ₆ Si ₁₂ O ₃₆) from ab initio calculations, and observations about the source of thermal expansion. <i>Physics and Chemistry of Minerals</i> , 2011, 38, 223-239.	0.3	52
220	High-pressure displacive phase transition of a natural Mg-rich pigeonite. <i>Physics and Chemistry of Minerals</i> , 2011, 38, 379-385.	0.3	5
221	New accurate elastic parameters for the forsterite-fayalite solid solution. <i>American Mineralogist</i> , 2011, 96, 1742-1747.	0.9	33
222	High-pressure structural evolution and equation of state of analbite. <i>American Mineralogist</i> , 2011, 96, 383-392.	0.9	14
223	P21/ctoC2/c phase transition in clinopyroxenes and the geodynamic implications. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s42-s43.	0.3	0
224	The effect of Al/Si disorder on the bulk moduli of plagioclase feldspars. <i>Mineralogical Magazine</i> , 2010, 74, 943-950.	0.6	8
225	High-pressure phase transition of a natural pigeonite. <i>American Mineralogist</i> , 2010, 95, 300-311.	0.9	18
226	(Na,Ca)(Ti ³⁺ ,Mg)Si ₂ O ₆ -clinopyroxenes at high pressure: influence of cation substitution on elastic behavior and phase transition. <i>Physics and Chemistry of Minerals</i> , 2010, 37, 25-43.	0.3	15
227	Thermal expansion and high-temperature P21/câ€“C2/c phase transition in clinopyroxene-type LiFeGe ₂ O ₆ and comparison to NaFe(Si,Ge) ₂ O ₆ . <i>Physics and Chemistry of Minerals</i> , 2010, 37, 685-704.	0.3	31
228	Antigorite equation of state and anomalous softening at 6 GPa: an in situ single-crystal X-ray diffraction study. <i>Contributions To Mineralogy and Petrology</i> , 2010, 160, 33-43.	1.2	41
229	Thermal expansion of plagioclase feldspars. <i>Contributions To Mineralogy and Petrology</i> , 2010, 160, 899-908.	1.2	83
230	Compressibility of protoamphibole: A high-pressure single-crystal diffraction study of protomangano-ferro-anthophyllite. <i>American Mineralogist</i> , 2010, 95, 1758-1764.	0.9	9
231	The crystal structure of dalnegroite, Tl ₅ âˆ™xPb ₂ x(As,Sb) ₂₁ âˆ™xS ₃₄ : a masterpiece of structural complexity. <i>Mineralogical Magazine</i> , 2010, 74, 999-1012.	0.6	15
232	Evidence of dmisteinbergite (hexagonal form of CaAl ₂ Si ₂ O ₈) in pseudotachylite: A tool to constrain the thermal history of a seismic event. <i>American Mineralogist</i> , 2010, 95, 405-409.	0.9	21
233	Development of crystallographic preferred orientation and microstructure during plastic deformation of natural coarseâ€“grained quartz veins. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	62
234	Water incorporation in synthetic and natural MgAl ₂ O ₄ spinel. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 705-718.	1.6	28

#	ARTICLE	IF	CITATIONS
235	Electrical conductivity anisotropy of dry and hydrous olivine at 8 GPa. <i>Physics of the Earth and Planetary Interiors</i> , 2010, 181, 103-111.	0.7	163
236	New accurate compression data for $\text{Fe}^{3+}\text{-Fe}_2\text{SiO}_4$. <i>Physics of the Earth and Planetary Interiors</i> , 2010, 183, 421-425.	0.7	18
237	High-pressure behavior of Ca/Na clinopyroxenes: The effect of divalent and trivalent 3d-transition elements. <i>American Mineralogist</i> , 2010, 95, 832-838.	0.9	18
238	Arsenic-rich fergusonite-beta-(Y) from Mount Cervandone (Western Alps, Italy): Crystal structure and genetic implications. <i>American Mineralogist</i> , 2010, 95, 487-494.	0.9	7
239	Bastn�site-(Ce) and Parisite-(Ce) From Mt. Malosa, Malawi. <i>Gems & Gemology</i> , 2010, 46, 42-47.	0.4	9
240	The response of frameworks to PandT: of tilts and tetrahedra in feldspars. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s45-s45.	0.3	0
241	Comparison of HP data for X-ray diffraction in Be and diamond-backed DACs. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s189-s190.	0.3	0
242	High-pressure phase transformation in $\text{LiFeGe}_2\text{O}_6$ pyroxene. <i>American Mineralogist</i> , 2009, 94, 616-621.	0.9	25
243	The effect of non-stoichiometry on the high-temperature behaviour of MgAl_2O_4 spinel. <i>Mineralogical Magazine</i> , 2009, 73, 301-306.	0.6	8
244	Electrical conductivity of hydrous wadsleyite. <i>European Journal of Mineralogy</i> , 2009, 21, 615-622.	0.4	28
245	Bulk modulus variation along the diopsidekosmochlor solid solution. <i>European Journal of Mineralogy</i> , 2009, 21, 591-597.	0.4	15
246	Spontaneous strain variations through the low-temperature displacive phase transition of $\text{LiGaSi}_2\text{O}_6$ clinopyroxene. <i>European Journal of Mineralogy</i> , 2009, 21, 599-614.	0.4	18
247	Dalnegroite, $\text{Tl}_5\text{Pb}_2(\text{As,Sb})_2\text{S}_{34}$, a new thallium sulphosalt from Lengenbach quarry, Binntal, Switzerland. <i>Mineralogical Magazine</i> , 2009, 73, 1027-1032.	0.6	23
248	Lattice compression and structural behavior of NaVSi_2O_6 clinopyroxene to 11 GPa. <i>American Mineralogist</i> , 2009, 94, 557-564.	0.9	9
249	Aluminocerite-Ce: A new species from Baveno, Italy: Description and crystal-structure determination. <i>American Mineralogist</i> , 2009, 94, 487-493.	0.9	12
250	Crystal chemistry of hydrous forsterite and its vibrational properties up to 41 GPa. <i>American Mineralogist</i> , 2009, 94, 751-760.	0.9	35
251	Synthesis, TEM characterization and thermal behaviour of $\text{LiNiSi}_2\text{O}_6$ pyroxene. <i>Physics and Chemistry of Minerals</i> , 2009, 36, 527-536.	0.3	11
252	Effects of non-stoichiometry on the spinel structure at high pressure: Implications for Earth's mantle mineralogy. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 489-492.	1.6	13

#	ARTICLE	IF	CITATIONS
253	Inclusion Properties, Polymorphism and Desolvation Kinetics in a New 2-Pyridyl Iminophenol Compound with 1D Nanochannels. <i>Crystal Growth and Design</i> , 2009, 9, 3749-3758.	1.4	14
254	Mineral chemistry and alteration of rare earth element (REE) carbonates from alkaline pegmatites of Mount Malosa, Malawi. <i>American Mineralogist</i> , 2009, 94, 1216-1222.	0.9	36
255	Thermal expansion along the $\text{NaAlSi}_2\text{O}_6\text{-NaFe}_3\text{Si}_2\text{O}_6$ and $\text{NaAlSi}_2\text{O}_6\text{-CaFe}_2\text{Si}_2\text{O}_6$ solid solutions. <i>Physics and Chemistry of Minerals</i> , 2008, 35, 241-248.	0.3	22
256	The high-pressure C2/c-P21/c phase transition along the $\text{LiAlSi}_2\text{O}_6\text{-LiGaSi}_2\text{O}_6$ solid solution. <i>Physics and Chemistry of Minerals</i> , 2008, 35, 477-484.	0.3	15
257	Crystal-chemical study of Cr_2O_3 natural oxides along the eskolaite - karelianite - hematite ($\text{Cr}_2\text{O}_3\text{-V}_2\text{O}_3\text{-Fe}_2\text{O}_3$) join. <i>Mineralogical Magazine</i> , 2008, 72, 785-792.	0.6	5
258	OH incorporation in nearly pure MgAl_2O_4 natural and synthetic spinels. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 475-479.	1.6	20
259	The high-pressure behavior of an Al- and Fe-rich natural orthopyroxene. <i>American Mineralogist</i> , 2008, 93, 644-652.	0.9	20
260	New insights into the crystal chemistry of epididymite and eudidymite from Malosa, Malawi: A single-crystal neutron diffraction study. <i>American Mineralogist</i> , 2008, 93, 1158-1165.	0.9	23
261	Pyroxmangite: A high-pressure single-crystal study. <i>American Mineralogist</i> , 2008, 93, 1921-1928.	0.9	8
262	The wulfenite-stolzite series: centric or acentric structures?. <i>Mineralogical Magazine</i> , 2008, 72, 987-990.	0.6	8
263	Low-temperature crystal structure evolution of $(\text{Na,Ca})(\text{Cr,Mg})\text{Si}_2\text{O}_6$ pyroxene. <i>Mineralogical Magazine</i> , 2008, 72, 809-816.	0.6	3
264	The effect of the hedenbergitic substitution on the compressibility of jadeite. <i>American Mineralogist</i> , 2008, 93, 1005-1013.	0.9	34
265	Equation of state and crystal structure of a new germanate post-titanite phase. <i>American Mineralogist</i> , 2008, 93, 1424-1428.	0.9	2
266	COMPRESSIBILITY AND HIGH-PRESSURE BEHAVIOR OF $\text{Ab}_6\text{3Or}_2\text{7An}_{10}$ ANORTHOCLASE. <i>Canadian Mineralogist</i> , 2008, 46, 1443-1454.	0.3	14
267	Crystal chemistry of hydration in aluminous orthopyroxene. <i>American Mineralogist</i> , 2007, 92, 973-976.	0.9	15
268	Mn-rich graftonite, ferrisicklerite, stanÅkite and Mn-rich vivianite in a granitic pegmatite at SoÅ Valley, central Alps, Italy. <i>Mineralogical Magazine</i> , 2007, 71, 579-585.	0.6	16
269	The crystal structure of pyroxenes along the jadeite hedenbergite and jadeite aegirine joins. <i>American Mineralogist</i> , 2007, 92, 1492-1501.	0.9	50
270	The high-pressure structural configurations of $\text{Ca}_{0.2}\text{Sr}_{0.8}\text{Al}_2\text{Si}_2\text{O}_8$ feldspar: The I2/c and I2/c-P21/c phase transitions. <i>American Mineralogist</i> , 2007, 92, 1190-1199.	0.9	9

#	ARTICLE	IF	CITATIONS
271	High-pressure optical spectroscopy and X-ray diffraction studies on synthetic cobalt aluminum silicate garnet. <i>American Mineralogist</i> , 2007, 92, 1616-1623.	0.9	6
272	Single-crystal elastic properties of Ca _{0.07} Mg _{1.93} Si ₂ O ₆ orthopyroxene. <i>American Mineralogist</i> , 2007, 92, 109-113.	0.9	9
273	Low-temperature behavior of NaGaSi ₂ O ₆ . <i>American Mineralogist</i> , 2007, 92, 560-569.	0.9	9
274	Crystal-structure refinement of Na-bearing clinopyroxenes from mantle-derived eclogite xenoliths. <i>American Mineralogist</i> , 2007, 92, 1242-1245.	0.9	6
275	Comparative compressibility and structural behavior of spinel MgAl ₂ O ₄ at high pressures: The interdependency on the degree of cation order. <i>American Mineralogist</i> , 2007, 92, 1838-1843.	0.9	38
276	Crystal chemistry of aegirine as an indicator of P-T conditions. <i>Mineralogical Magazine</i> , 2007, 71, 321-326.	0.6	3
277	Elastic behavior, phase transition, and pressure induced structural evolution of analcime. <i>American Mineralogist</i> , 2006, 91, 568-578.	0.9	63
278	Olivine hydration in the deep upper mantle: Effects of temperature and silica activity. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	169
279	High-brilliance X-ray system for high-pressure in-house research: applications for studies of superhard materials. <i>High Pressure Research</i> , 2006, 26, 137-143.	0.4	12
280	Elastic behaviour and structural evolution of topaz at high pressure. <i>Physics and Chemistry of Minerals</i> , 2006, 33, 235-242.	0.3	22
281	High-pressure behaviour along the jadeite NaAlSi ₂ O ₆ –aegirine NaFeSi ₂ O ₆ solid solution up to 10 ÅGPa. <i>Physics and Chemistry of Minerals</i> , 2006, 33, 417-425.	0.3	52
282	The effect of composition and cation ordering on the compressibility of columbites up to 7 ÅGPa. <i>Physics and Chemistry of Minerals</i> , 2006, 33, 593-600.	0.3	11
283	Minerals at high pressure. Mechanics of compression from quantum mechanical calculations in a case study: the beryl (Al ₄ Be ₆ Si ₁₂ O ₃₆). <i>Physics and Chemistry of Minerals</i> , 2006, 34, 37-52.	0.3	14
284	On the thermo-elastic behaviour of kyanite: a neutron powder diffraction study up to 1200 ÅC. <i>Mineralogical Magazine</i> , 2006, 70, 309-317.	0.6	13
285	New insight into crystal chemistry of topaz: A multi-methodological study. <i>American Mineralogist</i> , 2006, 91, 1839-1846.	0.9	27
286	The effect of Ca substitution on the elastic and structural behavior of orthoenstatite. <i>American Mineralogist</i> , 2006, 91, 809-815.	0.9	31
287	The real topological configuration of the extra-framework content in alkali-poor beryl: A multi-methodological study. <i>American Mineralogist</i> , 2006, 91, 29-34.	0.9	42
288	Quantum-mechanical modeling of minerals at high pressures. The role of the Hamiltonian in a case study: the beryl (Al ₄ Be ₆ Si ₁₂ O ₃₆). <i>Physics and Chemistry of Minerals</i> , 2005, 32, 471-479.	0.3	22

#	ARTICLE	IF	CITATIONS
289	High-T phase transition of synthetic ANaB(LiMg)CMg ₅ Si ₈ O ₂₂ (OH) ₂ amphibole: an X-ray synchrotron powder diffraction and FTIR spectroscopic study. <i>Physics and Chemistry of Minerals</i> , 2005, 32, 515-523.	0.3	15
290	Compressional behaviour of CaNiSi ₂ O ₆ clinopyroxene: bulk modulus systematic and cation type in clinopyroxenes. <i>Physics and Chemistry of Minerals</i> , 2005, 32, 222-227.	0.3	27
291	Thermodynamic behaviour of the high-temperature P_1 phase transition along the CaAl ₂ Si ₂ O ₈ –SrAl ₂ Si ₂ O ₈ join. <i>Physics and Chemistry of Minerals</i> , 2005, 32, 314-321.	0.3	9
292	RIETVELD REFINEMENT OF CLINOPYROXENES WITH INTERMEDIATE Ca-CONTENT ALONG THE JOIN DIOPSIDE ENSTATITE. <i>Canadian Mineralogist</i> , 2005, 43, 1411-1421.	0.3	18
293	High temperature single crystal investigation in a clinopyroxene of composition (Na _{0.5} Ca _{0.5})(Cr _{0.5} Mg _{0.5})Si ₂ O ₆ . <i>European Journal of Mineralogy</i> , 2005, 17, 297-304.	0.4	15
294	High-pressure phase transitions in Ca _{0.2} Sr _{0.8} Al ₂ Si ₂ O ₈ feldspar. <i>American Mineralogist</i> , 2004, 89, 1474-1479.	0.9	14
295	High pressure behavior, transformation and crystal structure of synthetic iron-free pigeonite. <i>American Mineralogist</i> , 2004, 89, 189-196.	0.9	38
296	The high-temperature P ₂ /c ¹ C ₂ /c phase transition in Fe-free Ca-rich P ₂ 1/c clinopyroxenes. <i>Physics and Chemistry of Minerals</i> , 2003, 30, 527-535.	0.3	31
297	Charge-density analysis of spodumene (LiAlSi ₂ O ₆), from ab initio Hartree-Fock calculations. <i>Physics and Chemistry of Minerals</i> , 2003, 30, 606-614.	0.3	19
298	A SINGLE-CRYSTAL NEUTRON-DIFFRACTION INVESTIGATION OF SPODUMENE AT 54 K. <i>Canadian Mineralogist</i> , 2003, 41, 521-527.	0.3	21
299	The structure of Pbc orthopyroxenes along the join diopside-enstatite (CaMgSi ₂ O ₆ -Mg ₂ Si ₂ O ₆). <i>European Journal of Mineralogy</i> , 2003, 15, 365-371.	0.4	14
300	The high-temperature P ₂ 1/c phase transition in Fe-free pyroxene (Ca _{0.15} Mg _{1.85} Si ₂ O ₆): Structural and thermodynamic behavior. <i>American Mineralogist</i> , 2002, 87, 648-657.	0.9	64
301	Average and local structure in P ₂ 1/c clinopyroxenes along the join diopside-enstatite (CaMgSi ₂ O ₆ -Mg ₂ Si ₂ O ₆). <i>European Journal of Mineralogy</i> , 2002, 14, 549-555.	0.4	30
302	AP ₂ 1/c-C ₂ /h high-pressure phase transition in Ca _{0.5} Mg _{1.5} Si ₂ O ₆ clinopyroxene. <i>American Mineralogist</i> , 2001, 86, 807-813.	0.9	31
303	Protogenetic sulfide inclusions in diamonds date the diamond formation event using Re-Os isotopes. <i>Geology</i> , 0, , .	2.0	10
304	Results and significance of crustal data obtained with active seismic methods. <i>Rendiconti Online Societa Geologica Italiana</i> , 0, 37, 47-49.	0.3	0
305	Women in geosciences within the Italian University system in the last 20 years. <i>Advances in Geosciences</i> , 0, 53, 155-167.	12.0	2
306	As-bearing new mineral species from Valletta mine, Maira Valley, Piedmont, Italy: IV. Lombardoite, Ba ₂ Mn ³⁺ (AsO ₄) ₂ (OH) and aldamarinoite, Sr ₂ Mn ³⁺ (AsO ₄) ₂ (OH), description and crystal structure. <i>Mineralogical Magazine</i> , 0, , 1-34.	0.6	2