

Alexandre Tarantola

List of Publications by Year in descending order

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101
papers

1,652
citations

331538

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h-index

345118

36
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102
all docs

102
docs citations

102
times ranked

1294
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#	ARTICLE	IF	CITATIONS
1	Physicochemical constraints on indium-, tin-, germanium-, gallium-, gold-, and tellurium-bearing mineralizations in the Pefka and St Philippos polymetallic vein- and breccia-type deposits, Greece. <i>Ore Geology Reviews</i> , 2022, 140, 104348.	1.1	13
2	Different Tectonic Evolution of Fast Cooling Ophiolite Mantles Recorded by Olivine-Spinel Geothermometry: Case Studies from Ibalie (Albania) and Nea Roda (Greece). <i>Minerals (Basel)</i> , Tj ETQq0 0 0 rgBT /Overlock 108Tf 50 697	0.8	1
3	Chromite compositional variability and associated PGE enrichments in chromitites from the Gomati and Nea Roda ophiolite, Chalkidiki, Northern Greece. <i>Mineralium Deposita</i> , 2022, 57, 1323-1342.	1.7	8
4	Zoisite-(Pb), a New Orthorhombic Epidote-Related Mineral from the Jakobsberg Mine, Värmland, Sweden, and Its Relationships with Hancockite. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 51.	0.8	1
5	Mineralogical, Textural and Chemical Characteristics of Ophiolitic Chromitite and Platinum Group Minerals from Kabaena Island (Indonesia): Their Petrogenetic Nature and Geodynamic Setting. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 516.	0.8	1
6	Advances on microLIBS and microXRF mineralogical and elemental quantitative imaging. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2022, 194, 106470.	1.5	6
7	The Lavrion Mines: A Unique Site of Geological and Mineralogical Heritage. <i>Minerals (Basel)</i> , Tj ETQq1 1 0.784314 rgBT /Overlock 10 TFS 6,8 15	0.8	15
8	Interpretation of the pressure-induced Raman frequency shift of the ν_1 stretching bands of CH_4 and N_2 within CH_4 - CO_2 , N_2 - CO_2 and CH_4 - N_2 binary mixtures. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 8767-8777.	1.3	4
9	Reconstruction of Hydrothermal Processes in the Cyprus Type Fe-Cu-Zn Deposits of the Italian Northern Apennines: Results of Combined Fluid Inclusion Microthermometry, SEM-CL Imaging and Trace Element Analyses by LA-ICP-MS. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 165.	0.8	5
10	Geochemistry of clumped isotopologues of CH_4 within fluid inclusions in Alpine tectonic quartz fissures. <i>Earth and Planetary Science Letters</i> , 2021, 561, 116792.	1.8	13
11	Epigenetic-Hydrothermal Fluorite Veins in a Phosphorite Deposit from Balaton Highland (Pannonian) (Basel, Switzerland), 2021, 11, 640.	0.8	2
12	Testing Trace-Element Distribution and the Zr-Based Thermometry of Accessory Rutile from Chromitite. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 661.	0.8	2
13	FRAnCIs calculation program with universal Raman calibration data for the determination of PVX properties of CO_2 - CH_4 - N_2 and CH_4 - H_2O - NaCl systems and their uncertainties. <i>Computers and Geosciences</i> , 2021, 156, 104896.	2.0	5
14	Origin of ^{87}Sr enrichment in calcite cements in Jurassic limestones (Eastern Paris Basin, France). <i>Applied Geochemistry</i> , 2021, 136, 105131.	1.4	1
15	New data on gersdorffite and associated minerals from the Peloritani Mountains (Sicily, Italy). <i>European Journal of Mineralogy</i> , 2021, 33, 717-726.	0.4	2
16	Naldrettite (Pd_2Sb): A new find in Brazil and comparison with worldwide occurrences. <i>Canadian Mineralogist</i> , 2021, 59, 1801-1820.	0.3	1
17	Transgressive nature and chilled margins of the Upper Zone in the western Bushveld Complex, South Africa. <i>Canadian Mineralogist</i> , 2021, 59, 1285-1303.	0.3	4
18	Raman spectra of gas mixtures in fluid inclusions: Effect of quartz birefringence on composition measurement. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 1868-1873.	1.2	7

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19	Metal content and P-T evolution of CO ₂ -bearing ore-forming fluids of the Haftcheshmeh Cu-Mo porphyry deposit, NW Iran. <i>Journal of Asian Earth Sciences</i> , 2020, 190, 104166.	1.0	5
20	Multi-Stage Introduction of Precious and Critical Metals in Pyrite: A Case Study from the Konos Hill and Pagoni Rachi Porphyry/Epithermal Prospects, NE Greece. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 784.	0.8	8
21	Crystal-chemistry of sulfates from the Apuan Alps (Tuscany, Italy). VI. Ti-bearing alum-(K) and voltaite from the Fornovolasco mining complex. <i>American Mineralogist</i> , 2020, 105, 1088-1098.	0.9	6
22	Calibration data for simultaneous determination of P-V-X properties of binary and ternary CO ₂ - CH ₄ - N ₂ gas mixtures by Raman spectroscopy over 5â€“600â€“bar: Application to natural fluid inclusions. <i>Chemical Geology</i> , 2020, 552, 119783.	1.4	25
23	Crystal-chemistry of micas belonging to the yangzhumingite-fluorophlogopite and phlogopite-fluorophlogopite series from the Apuan Alps (northern Tuscany, Italy). <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1.	0.3	3
24	Crystal-chemistry of sulfates from the Apuan Alps, Tuscany, Italy. VIII. New data on khademite, Al(SO ₄) ₂ (H ₂ O) ₅ . <i>Mineralogical Magazine</i> , 2020, 84, 540-546.	0.6	6
25	Derbylite and graeserite from the Monte Arsiccio mine, Apuan Alps, Tuscany, Italy: occurrence and crystal-chemistry. <i>Mineralogical Magazine</i> , 2020, 84, 766-777.	0.6	2
26	Compositional Variations of Titanite: A Possible New Tool for Cyprus-Type Volcanogenic Massive Sulfide Deposit Prospecting. <i>Geosciences (Switzerland)</i> , 2020, 10, 290.	1.0	3
27	Early Cretaceous Plumeâ€“Ridge Interaction Recorded in the Band-e-Zeyarat Ophiolite (North Makran,). <i>Tj ETQq1 1 0.784314 rgBT /Overlook</i> (Basel, Switzerland), 2020, 10, 1100.	0.8	12
28	Bowlesite, PtSnS, a new platinum group mineral (PGM) from the Merensky Reef of the Bushveld Complex, South Africa. <i>Mineralogical Magazine</i> , 2020, 84, 468-476.	0.6	1
29	Progress in the knowledge of â€“ruby silversâ€“™: New structural and chemical data of pyrostilpnite, Ag ₃ SbS ₃ . <i>Mineralogical Magazine</i> , 2020, 84, 463-467.	0.6	4
30	Eliopoulosite, V ₇ S ₈ , A New Sulfide from the Podiform Chromitite of the Othrys Ophiolite, Greece. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 245.	0.8	4
31	Redefinition of coquimbite, AlFe ³⁺ ₃ (SO ₄) ₆ (H ₂ O) ₁₂ â€“6H ₂ O. <i>Mineralogical Magazine</i> , 2020, 84, 275-282.		
32	Grammatikopoulosite, NiVP, a New Phosphide from the Chromitite of the Othrys Ophiolite, Greece. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 131.	0.8	7
33	CH ₄ accumulation characteristics and relationship with deep CO ₂ fluid in Lishui sag, East China Sea Basin. <i>Applied Geochemistry</i> , 2020, 115, 104563.	1.4	9
34	Editorial for the Special Issue â€œInnovative and Applied Research on Platinum-Group and Rare Earth Elementsâ€œ. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 493.	0.8	1
35	Arsenotungstite, Ni ₁₈ Sb ₃ As ₁₆ , a new mineral from the Tsangli chromitites, Othrys ophiolite, Greece. <i>Mineralogy and Petrology</i> , 2020, 114, 435-442.	0.4	4
36	Mineralogical Constraints on the Potassic and Sodic-Calcic Hydrothermal Alteration and Vein-Type Mineralization of the Maronia Porphyry Cu-Mo ± Re ± Au Deposit in NE Greece. <i>Minerals (Basel, Switzerland)</i> , Tj ETQq0 0 0 rgBT/Overlook 10 Tf 50		

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37	The Formation of Dunite Channels within Harzburgite in the Wadi Tayin Massif, Oman Ophiolite: Insights from Compositional Variability of Cr-Spinel and Olivine in Holes BA1B and BA3A, Oman Drilling Project. <i>Minerals</i> (Basel, Switzerland), 2020, 10, 167.	0.8	4
38	First finding of tiemannite, HgSe, in human bladder stones: An electron microprobe study. <i>Micron</i> , 2020, 138, 102928.	1.1	4
39	Gemstones of Greece: Geology and Crystallizing Environments. <i>Minerals</i> (Basel, Switzerland), 2019, 9, 461.	0.8	7
40	Editorial for the Special Issue "Platinum-Group Minerals: New Results and Advances in PGE Mineralogy in Various Ni-Cu-Cr-PGE Ore Systems". <i>Minerals</i> (Basel, Switzerland), 2019, 9, 365.	0.8	3
41	The geology and mineralogy of the Stypsi porphyry Cu-Mo-Au-Re prospect, Lesvos Island, Aegean Sea, Greece. <i>Ore Geology Reviews</i> , 2019, 112, 103023.	1.1	9
42	Quantitative Measurements of Composition, Pressure, and Density of Microvolumes of CO ₂ -N ₂ Gas Mixtures by Raman Spectroscopy. <i>Analytical Chemistry</i> , 2019, 91, 14359-14367.	3.2	15
43	Raman spectroscopic densimeter for pure CO ₂ and CO ₂ -H ₂ O-NaCl fluid systems over a wide P-T range up to 360°C and 50 MPa. <i>Chemical Geology</i> , 2019, 528, 119281.	1.4	16
44	The Lavrion Pb-Zn-Ag "Rich Vein and Breccia Detachment-Related Deposits (Greece): Involvement of Evaporated Seawater and Meteoric Fluids During Postorogenic Exhumation. <i>Economic Geology</i> , 2019, 114, 1415-1442.	1.8	12
45	Gem Corundum Deposits of Greece: Geology, Mineralogy and Genesis. <i>Minerals</i> (Basel, Switzerland), 2019, 9, 49.	0.8	16
46	Manganiakasakaite-(La) and Ferriakasakaite-(Ce), Two New Epidote Supergroup Minerals from Piedmont, Italy. <i>Minerals</i> (Basel, Switzerland), 2019, 9, 353.	0.8	3
47	Ognitite, NiBiTe, a new mineral species, and Co-rich maucherite from the Ognit ultramafic complex, Eastern Sayans, Russia. <i>Mineralogical Magazine</i> , 2019, 83, 695-703.	0.6	1
48	Tsikourasite, Mo ₃ Ni ₂ P _{1+x} (x < 0.25), a New Phosphide from the Chromitite of the Othrys Ophiolite, Greece. <i>Minerals</i> (Basel, Switzerland), 2019, 9, 248.	0.8	9
49	Metamorphic and Metasomatic Kyanite-Bearing Mineral Assemblages of Thassos Island (Rhodope), Tj ETQq1 1 0.784314 rgBT /Overlo	0.8	11
50	Porphyry and epithermal deposits in Greece: An overview, new discoveries, and mineralogical constraints on their genesis. <i>Ore Geology Reviews</i> , 2019, 107, 654-691.	1.1	38
51	Trace Elements in Magnetite from the Pagoni Rachi Porphyry Prospect, NE Greece: Implications for Ore Genesis and Exploration. <i>Minerals</i> (Basel, Switzerland), 2019, 9, 725.	0.8	14
52	Multiple fluids involved in granite-related W-Sn deposits from the world-class Jiangxi province (China). <i>Chemical Geology</i> , 2019, 508, 92-115.	1.4	62
53	Metamorphic brines and no surficial fluids trapped in the detachment footwall of a Metamorphic Core Complex (Nevado-Filábride units, Betics, Spain). <i>Tectonophysics</i> , 2018, 727, 56-72.	0.9	4
54	A New Porphyry Mo Mineralization at Aisymi-Leptokarya, South-Eastern Rhodope, North-East Greece: Geological and Mineralogical Constraints. <i>Geosciences</i> (Switzerland), 2018, 8, 435.	1.0	7

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55	The Gersdorffite-Bismuthinite-Native Gold Association and the Skarn-Porphyry Mineralization in the Kamariza Mining District, Lavrion, Greece. <i>Minerals</i> (Basel, Switzerland), 2018, 8, 531.	0.8	9
56	Mineralogical Study of the Advanced Argillic Alteration Zone at the Konos Hill Mo-Cu-Au Porphyry Prospect, NE Greece. <i>Minerals</i> (Basel, Switzerland), 2018, 8, 479.	0.8	11
57	Origin of Platinum Group Minerals (PGM) Inclusions in Chromite Deposits of the Urals. <i>Minerals</i> (Basel, Switzerland), 2018, 8, 379.	0.8	31
58	Amethyst Occurrences in Tertiary Volcanic Rocks of Greece: Mineralogical, Fluid Inclusion and Oxygen Isotope Constraints on Their Genesis. <i>Minerals</i> (Basel, Switzerland), 2018, 8, 324.	0.8	8
59	Submarine hydrothermal processes, mirroring the geotectonic evolution of the NE Hungarian Jurassic Szarvaskő Unit. <i>International Journal of Earth Sciences</i> , 2018, 107, 2671-2688.	0.9	1
60	Charge history of CO ₂ in Lishui sag, East China Sea basin: Evidence from quantitative Raman analysis of CO ₂ -bearing fluid inclusions. <i>Marine and Petroleum Geology</i> , 2018, 98, 50-65.	1.5	25
61	Tiberiobardiite, Cu ₉ Al(SiO ₃ OH) ₂ (OH) ₁₂ (H ₂ O) ₆ (SO ₄) _{1.5} ·10H ₂ O, a New Mineral Related to Chalcophyllite from the Cretaio Cu Prospect, Massa Marittima, Grosseto (Tuscany, Italy): Occurrence and Crystal Structure. <i>Minerals</i> (Basel, Switzerland), 2018, 8, 152.	0.8	3
62	Geochemical characteristics of Triassic and Cretaceous phosphorite horizons from the Transdanubian Mountain Range (western Hungary): genetic implications. <i>Mineralogical Magazine</i> , 2018, 82, S147-S171.	0.6	8
63	Water redistribution in experimentally deformed natural milky quartz single crystals—Implications for H ₂ O-weakening processes. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 866-894.	1.4	45
64	Basinal Brines at the Origin of the Imiter Ag-Hg Deposit (Anti-Atlas, Morocco): Evidence from LA-ICP-MS Data on Fluid Inclusions, Halogen Signatures, and Stable Isotopes (H, C, O)—A Reply. <i>Economic Geology</i> , 2017, 112, 1273-1277.	1.8	4
65	CO ₂ flow during orogenic gravitational collapse: Syntectonic decarbonation and fluid mixing at the ductile-brittle transition (Lavrion, Greece). <i>Chemical Geology</i> , 2017, 450, 248-263.	1.4	17
66	C-O-H-N fluids circulations and graphite precipitation in reactivated Hudsonian shear zones during basement uplift of the Wollaston-Mudjatik Transition Zone: Example of the Cigar Lake U deposit. <i>Lithos</i> , 2017, 294-295, 222-245.	0.6	18
67	The Lavrion Pb-Zn-Fe-Cu-Ag detachment-related district (Attica, Greece): Structural control on hydrothermal flow and element transfer-deposition. <i>Tectonophysics</i> , 2017, 717, 607-627.	0.9	14
68	Mineralogy and ore fluid chemistry of the Roc Blanc Ag deposit, Jebilet Hercynian massif, Morocco. <i>Journal of African Earth Sciences</i> , 2017, 127, 175-193.	0.9	18
69	Spryite, Ag ₈ As _{0.5} ³⁺ As _{0.5} ⁵⁺ S ₆ : structure determination and inferred absence of superionic conduction of the first As ³⁺ -bearing argyrodite. <i>Physics and Chemistry of Minerals</i> , 2017, 44, 75-82.	0.3	6
70	Chromite Composition and Accessory Minerals in Chromitites from Sulawesi, Indonesia: Their Genetic Significance. <i>Minerals</i> (Basel, Switzerland), 2016, 6, 46.	0.8	10
71	The Cedrolina Chromitite, Goiás State, Brazil: A Metamorphic Puzzle. <i>Minerals</i> (Basel, Switzerland), 2016, 6, 91.	0.8	10
72	Platinum-Group Minerals and Other Accessory Phases in Chromite Deposits of the Alapaevsk Ophiolite, Central Urals, Russia. <i>Minerals</i> (Basel, Switzerland), 2016, 6, 108.	0.8	17

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73	Basinal Brines at the Origin of the Imiter Ag-Hg Deposit (Anti-Atlas, Morocco): Evidence from LA-ICP-MS Data on Fluid Inclusions, Halogen Signatures, and Stable Isotopes (H, C, O). <i>Economic Geology</i> , 2016, 111, 1753-1781.	1.8	36
74	Syn- to post-orogenic exhumation of metamorphic nappes: Structure and thermobarometry of the western Attic-Cycladic metamorphic complex (Lavrion, Greece). <i>Journal of Geodynamics</i> , 2016, 96, 174-193.	0.7	52
75	From deep to shallow fluid reservoirs: evolution of fluid sources during exhumation of the Sierra Almagrera, Betic Cordillera, Spain. <i>Geofluids</i> , 2016, 16, 103-128.	0.3	9
76	Electron Microprobe and Raman Spectroscopy Investigation of an Oxygen-Bearing Pt-Fe-Pd-Ni-Cu Compound from Nurali Chromitite (Southern Urals, Russia). <i>Microscopy and Microanalysis</i> , 2015, 21, 1070-1079.	0.2	5
77	Metals in Human Gall, Bladder, and Kidney Stones Based on an Electron Microprobe Investigation. <i>Microscopy and Microanalysis</i> , 2015, 21, 1167-1172.	0.2	10
78	Raman spectra of water in fluid inclusions: II. Effect of negative pressure on salinity measurement. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 977-982.	1.2	12
79	Raman spectra of water in fluid inclusions: I. Effect of host mineral birefringence on salinity measurement. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 969-976.	1.2	26
80	Chromitite Dykes in the Monchegorsk Layered Intrusion, Russia: <i>In Situ</i> Crystallization from Chromite-Saturated Magma Flowing in Conduits. <i>Journal of Petrology</i> , 2015, 56, 2395-2424.	1.1	15
81	Interpretation of fluid inclusions in quartz deformed by weak ductile shearing: Reconstruction of differential stress magnitudes and pre-deformation fluid properties. <i>Earth and Planetary Science Letters</i> , 2015, 417, 107-119.	1.8	42
82	Evolution of porewater composition through time in limestone aquifers: Salinity and D/H of fluid inclusion water in authigenic minerals (Jurassic of the eastern Paris Basin, France). <i>Chemical Geology</i> , 2015, 417, 210-227.	1.4	8
83	Platinum group minerals (PGM) in the Falcondo Ni-laterite deposit, Loma Caribe peridotite (Dominican) Tj ETQq1 1 0,784314 rgBT /Over	1.7	54
84	The occurrence of platinum-group element and gold minerals in the Bon Accord Ni-oxide body, South Africa. <i>American Mineralogist</i> , 2014, 99, 1774-1782.	0.9	13
85	Hypersaline fluids generated by high-grade metamorphism of evaporites: fluid inclusion study of uranium occurrences in the Western Zambian Copperbelt. <i>Contributions To Mineralogy and Petrology</i> , 2014, 167, 1.	1.2	23
86	Uranium mobilization by fluids associated with Ca-Na metasomatism: A <i>P</i> - <i>T</i> - <i>t</i> record of fluid-rock interactions during Pan-African metamorphism (Western Zambian Copperbelt). <i>Chemical Geology</i> , 2014, 386, 218-237.	1.4	21
87	Fused-silica capillary capsules (FSCCs) as reference synthetic aqueous fluid inclusions to determine chlorinity by Raman spectroscopy. <i>European Journal of Mineralogy</i> , 2014, 25, 755-763.	0.4	44
88	Determination of methane content in NaCl-H ₂ O fluid inclusions by Raman spectroscopy. Calibration and application to the external part of the Central Alps (Switzerland). <i>Chemical Geology</i> , 2014, 378-379, 52-61.	1.4	66
89	Modification of fluid inclusions in quartz by deviatoric stress. III: Influence of principal stresses on inclusion density and orientation. <i>Contributions To Mineralogy and Petrology</i> , 2012, 164, 537-550.	1.2	58
90	Evaluation of the Potential of the Pegmatitic Quartz Veins of the Sierra de Comechigones (Argentina) as a Source of High Purity Quartz by a Combination of LA-ICP-MS, ICP, Cathodoluminescence, Gas Chromatography, Fluid Inclusion Analysis, Raman and FTIR spectroscopy. <i>Springer Geology</i> , 2012, , 119-137.	0.2	4

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91	Fluid inclusion studies in datolite of low grade metamorphic origin from a Jurassic pillow basalt series in northeastern Hungary. <i>Open Geosciences</i> , 2012, 4, 261-274.	0.6	3
92	Mineralogy, composition and PGM of chromitites from Pefki, Pindos ophiolite complex (NW Greece): evidence for progressively elevated fAs conditions in the upper mantle sequence. <i>Mineralogy and Petrology</i> , 2011, 101, 129-150.	0.4	21
93	Fluid flow through the sedimentary cover in northern Switzerland recorded by calcite-“celestite veins (Oftringen borehole, Olten). <i>Swiss Journal of Geosciences</i> , 2011, 104, 493-506.	0.5	8
94	Modification of fluid inclusions in quartz by deviatoric stress I: experimentally induced changes in inclusion shapes and microstructures. <i>Contributions To Mineralogy and Petrology</i> , 2010, 160, 825-843.	1.2	83
95	Modification of fluid inclusions in quartz by deviatoric stress. II: experimentally induced changes in inclusion volume and composition. <i>Contributions To Mineralogy and Petrology</i> , 2010, 160, 845-864.	1.2	56
96	Crystal chemistry of Cr-spinels from the Iherzolite mantle peridotite of Ronda (Spain). <i>American Mineralogist</i> , 2010, 95, 1323-1328.	0.9	25
97	Oxidation of CH ₄ to CO ₂ and H ₂ O by chloritization of detrital biotite at 270±5°C in the external part of the Central Alps, Switzerland. <i>Lithos</i> , 2009, 112, 497-510.	0.6	36
98	Petrology of Al- and Cr-rich ophiolitic chromitites from the Muğla, SW Turkey: implications from composition of chromite, solid inclusions of platinum-group mineral, silicate, and base-metal mineral, and Os-isotope geochemistry. <i>Contributions To Mineralogy and Petrology</i> , 2009, 158, 659-674.	1.2	155
99	Oxidation of methane at the CH ₄ /H ₂ O-“CO ₂ transition zone in the external part of the Central Alps, Switzerland: Evidence from stable isotope investigations. <i>Chemical Geology</i> , 2007, 237, 329-357.	1.4	58
100	A contribution to the mineralogy of Sicily (Italy). “Kintoreite from the Tripi mine, Peloritani Mountains: occurrence and crystal structure. <i>Mineralogical Magazine</i> , 0, , 1-21.	0.6	3
101	Trace Element Distribution in Zoned Kyanite of Thassos Island (Greece) Using Combined Spectroscopic Analyses. <i>Applied Spectroscopy</i> , 0, , 000370282211087.	1.2	2