

Cristiana Ciobanu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Trace and minor elements in sphalerite: A LA-ICPMS study. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4761-4791.	3.9	581
2	Textural control on gold distribution in As-free pyrite from the Dongping, Huangtuliang and Hougou gold deposits, North China Craton (Hebei Province, China). <i>Chemical Geology</i> , 2009, 264, 101-121.	3.3	332
3	Trace and minor elements in sphalerite from base metal deposits in South China: A LA-ICPMS study. <i>Ore Geology Reviews</i> , 2011, 39, 188-217.	2.7	327
4	Invisible gold in arsenian pyrite and arsenopyrite from a multistage Archaean gold deposit: Sunrise Dam, Eastern Goldfields Province, Western Australia. <i>Mineralium Deposita</i> , 2009, 44, 765-791.	4.1	227
5	Arsenopyrite-Pyrite Association in an Orogenic Gold Ore: Tracing Mineralization History from Textures and Trace Elements. <i>Economic Geology</i> , 2013, 108, 1273-1283.	3.8	210
6	Trace and minor elements in galena: A reconnaissance LA-ICP-MS study. <i>American Mineralogist</i> , 2015, 100, 548-569.	1.9	169
7	Partitioning of trace elements in co-crystallized sphalerite-galena-chalcopyrite hydrothermal ores. <i>Ore Geology Reviews</i> , 2016, 77, 97-116.	2.7	166
8	Gold-telluride nanoparticles revealed in arsenic-free pyrite. <i>American Mineralogist</i> , 2012, 97, 1515-1518.	1.9	150
9	Modeling of gold scavenging by bismuth melts coexisting with hydrothermal fluids. <i>Geology</i> , 2008, 36, 815.	4.4	139
10	Bi-melt formation and gold scavenging from hydrothermal fluids: An experimental study. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 5423-5443.	3.9	137
11	Skarn textures and a case study: the Ocna de Fier-Dognecea orefield, Banat, Romania. <i>Ore Geology Reviews</i> , 2004, 24, 315-370.	2.7	134
12	Trace Element Analysis of Minerals in Magmatic-Hydrothermal Ores by Laser Ablation Inductively-Coupled Plasma Mass Spectrometry: Approaches and Opportunities. <i>Minerals (Basel)</i> , 2010, 10, 110.	1.0	50
13	Minor and trace elements in bornite and associated Cu-(Fe)-sulfides: A LA-ICP-MS study. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6473-6496.	3.9	118
14	Trace elements in hydrothermal chalcopyrite. <i>Mineralogical Magazine</i> , 2018, 82, 59-88.	1.4	115
15	Determination of the oxidation state of Cu in substituted Cu-In-Fe-bearing sphalerite via XANES spectroscopy. <i>American Mineralogist</i> , 2012, 97, 476-479.	1.9	114
16	Regional setting and geochronology of the Late Cretaceous Banatitic Magmatic and Metallogenic Belt. <i>Mineralium Deposita</i> , 2002, 37, 541-567.	4.1	112
17	Bismuth tellurides and sulphosalts from the Larga hydrothermal system, Metaliferi Mts, Romania: Paragenesis and genetic significance. <i>Mineralogical Magazine</i> , 2004, 68, 301-321.	1.4	106
18	"Invisible gold" in bismuth chalcogenides. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1970-1999.	3.9	106

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19	Focussed ion beam transmission electron microscopy applications in ore mineralogy: Bridging micro- and nanoscale observations. <i>Ore Geology Reviews</i> , 2011, 42, 6-31.	2.7	105
20	Trace and minor elements in sphalerite from metamorphosed sulphide deposits. <i>Mineralogy and Petrology</i> , 2014, 108, 873-890.	1.1	101
21	Petrogenetic significance of Au-Bi-Te-S associations: The example of Maldon, Central Victorian gold province, Australia. <i>Lithos</i> , 2010, 116, 1-17.	1.4	97
22	Rare earths and other trace elements in minerals from skarn assemblages, Hillside iron oxide-copper-gold deposit, Yorke Peninsula, South Australia. <i>Lithos</i> , 2014, 184-187, 456-477.	1.4	94
23	MINERALS OF THE SYSTEM Bi-Te-Se-S RELATED TO THE TETRADYMITITE ARCHETYPE: REVIEW OF CLASSIFICATION AND COMPOSITIONAL VARIATION. <i>Canadian Mineralogist</i> , 2007, 45, 665-708.	1.0	93
24	Gold scavenged by bismuth melts: An example from Alpine shear-remobilizates in the HighiÅ Massif, Romania. <i>Mineralogy and Petrology</i> , 2006, 87, 351-384.	1.1	91
25	Multivariate Analysis of an LA-ICP-MS Trace Element Dataset for Pyrite. <i>Mathematical Geosciences</i> , 2012, 44, 823-842.	2.4	90
26	Uranium-bearing hematite from the Olympic Dam Cu-U-Au deposit, South Australia: A geochemical tracer and reconnaissance Pb-Pb geochronometer. <i>Precambrian Research</i> , 2013, 238, 129-147.	2.7	90
27	Distribution and Substitution Mechanism of Ge in a Ge-(Fe)-Bearing Sphalerite. <i>Minerals (Basel)</i> , 2017, 7, 1-14.	2.0	90
28	A combined chemical, isotopic and microstructural study of pyrite from roll-front uranium deposits, Lake Eyre Basin, South Australia. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 125, 440-465.	3.9	89
29	Preface Special Issue: Telluride and selenide minerals in gold deposits - how and why?. <i>Mineralogy and Petrology</i> , 2006, 87, 163-169.	1.1	83
30	Sulfur isotope fractionation in pyrite during laser ablation: Implications for laser ablation multiple collector inductively coupled plasma mass spectrometry mapping. <i>Chemical Geology</i> , 2017, 450, 223-234.	3.3	77
31	Indium mineralisation in A-type granites in southeastern Finland: Insights into mineralogy and partitioning between coexisting minerals. <i>Chemical Geology</i> , 2011, 284, 62-73.	3.3	76
32	The mineralogy and mineral chemistry of indium in sulphide deposits and implications for mineral processing. <i>Hydrometallurgy</i> , 2011, 108, 226-228.	4.3	68
33	Mapping of Sulfur Isotopes and Trace Elements in Sulfides by LA-(MC)-ICP-MS: Potential Analytical Problems, Improvements and Implications. <i>Minerals (Basel, Switzerland)</i> , 2016, 6, 110.	2.0	68
34	Skarn formation and trace elements in garnet and associated minerals from Zhibula copper deposit, Gangdese Belt, southern Tibet. <i>Lithos</i> , 2016, 262, 213-231.	1.4	65
35	Trace element heterogeneity in molybdenite fingerprints stages of mineralization. <i>Chemical Geology</i> , 2013, 347, 175-189.	3.3	62
36	The Niujiaotang Cd-rich zinc deposit, Duyun, Guizhou province, southwest China: ore genesis and mechanisms of cadmium concentration. <i>Mineralium Deposita</i> , 2012, 47, 683-700.	4.1	56

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37	Uraninite from the Olympic Dam IOCG-U-Ag deposit: Linking textural and compositional variation to temporal evolution. <i>American Mineralogist</i> , 2016, 101, 1295-1320.	1.9	55
38	Textures and U-W-Sn-Mo signatures in hematite from the Olympic Dam Cu-U-Au-Ag deposit, South Australia: Defining the archetype for IOCG deposits. <i>Ore Geology Reviews</i> , 2017, 91, 173-195.	2.7	54
39	Indium distribution in sphalerite from sulfide-oxide-silicate skarn assemblages: a case study of the Dulong Zn-Sn-In deposit, Southwest China. <i>Mineralium Deposita</i> , 2021, 56, 307-324.	4.1	53
40	Apatite at Olympic Dam, South Australia: A petrogenetic tool. <i>Lithos</i> , 2016, 262, 470-485.	1.4	52
41	Iron isotope behavior during fluid/rock interaction in K-feldspar alteration zone - A model for pyrite in gold deposits from the Jiaodong Peninsula, East China. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 222, 94-116.	3.9	50
42	Rare Earth Element Behaviour in Apatite from the Olympic Dam Cu-U-Au-Ag Deposit, South Australia. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 135.	2.0	48
43	Minor and Trace Elements in Natural Tetrahedrite-Tennantite: Effects on Element Partitioning among Base Metal Sulphides. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 17.	2.0	46
44	EARLY, DEEP MAGNETITE-FLUORAPATITE MINERALIZATION AT THE OLYMPIC DAM Cu-U-Au-Ag DEPOSIT, SOUTH AUSTRALIA*. <i>Economic Geology</i> , 2017, 112, 1531-1542.	3.8	46
45	Feldspar evolution in the Roxby Downs Granite, host to Fe-oxide Cu-Au-(U) mineralisation at Olympic Dam, South Australia. <i>Ore Geology Reviews</i> , 2017, 80, 838-859.	2.7	44
46	Mineral chemistry of Rare Earth Element (REE) mineralization, Browns Ranges, Western Australia. <i>Lithos</i> , 2013, 172-173, 192-213.	1.4	40
47	Albitization and redistribution of REE and Y in IOCG systems: Insights from Moonta-Wallaroo, Yorke Peninsula, South Australia. <i>Lithos</i> , 2014, 208-209, 178-201.	1.4	40
48	Ore minerals down to the nanoscale: Cu-(Fe)-sulphides from the iron oxide copper gold deposit at Olympic Dam, South Australia. <i>Ore Geology Reviews</i> , 2017, 81, 1218-1235.	2.7	38
49	Textures and trace element signatures of pyrite and arsenopyrite from the Gutaishan Au-Sb deposit, South China. <i>Mineralium Deposita</i> , 2019, 54, 591-610.	4.1	38
50	Paragenesis of Cu-Fe ores from Ocna de Fier-Dognecea (Romania), typifying fluid plume mineralization in a proximal skarn setting. <i>Mineralogical Magazine</i> , 2001, 65, 351-372.	1.4	37
51	COMPOSITIONAL DATA FOR Bi-Pb TELLUROSULFIDES. <i>Canadian Mineralogist</i> , 2007, 45, 417-435.	1.0	36
52	Advances and Opportunities in Ore Mineralogy. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 233.	2.0	36
53	A multi-technique evaluation of hydrothermal hematite U Pb isotope systematics: Implications for ore deposit geochronology. <i>Chemical Geology</i> , 2019, 513, 54-72.	3.3	36
54	Tellurides from Sunrise Dam gold deposit, Yilgarn Craton, Western Australia: a new occurrence of nagyajgite. <i>Mineralogy and Petrology</i> , 2007, 91, 249-270.	1.1	34

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55	Matrix-Matched Iron-Oxide Laser Ablation ICP-MS U-Pb Geochronology Using Mixed Solution Standards. <i>Minerals (Basel, Switzerland)</i> , 2016, 6, 85.	2.0	34
56	The Wirrda Well and Acropolis prospects, Gawler Craton, South Australia: Insights into evolving fluid conditions through apatite chemistry. <i>Journal of Geochemical Exploration</i> , 2017, 181, 276-291.	3.2	34
57	OPENING THE MAGMATIC-HYDROTHERMAL WINDOW: HIGH-PRECISION U-Pb GEOCHRONOLOGY OF THE MESOPROTEROZOIC OLYMPIC DAM Cu-U-Au-Ag DEPOSIT, SOUTH AUSTRALIA. <i>Economic Geology</i> , 2020, 115, 1855-1870.	3.8	34
58	Chemical-structural modularity in the tetradymite group: A HRTEM study. <i>American Mineralogist</i> , 2009, 94, 517-534.	1.9	33
59	²¹⁰ Pb and ²¹⁰ Po in Geological and Related Anthropogenic Materials: Implications for Their Mineralogical Distribution in Base Metal Ores. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 211.	2.0	32
60	Intergrowths of bismuth sulphosalts from the Ocna de Fier Fe-skarn deposit, Banat, Southwest Romania. <i>European Journal of Mineralogy</i> , 2000, 12, 899-917.	1.3	31
61	The future of biotechnology for gold exploration and processing. <i>Minerals Engineering</i> , 2012, 32, 45-53.	4.3	30
62	Focused Ion Beam and Advanced Electron Microscopy for Minerals: Insights and Outlook from Bismuth Sulphosalts. <i>Minerals (Basel, Switzerland)</i> , 2016, 6, 112.	2.0	30
63	Nanogeoscience in ore systems research: Principles, methods, and applications. <i>Ore Geology Reviews</i> , 2011, 42, 1-5.	2.7	28
64	Defining early stages of IOCG systems: evidence from iron oxides in the outer shell of the Olympic Dam deposit, South Australia. <i>Mineralium Deposita</i> , 2020, 55, 429-452.	4.1	28
65	Mineralogy of tin-sulfides in the Zijinshan porphyry-epithermal system, Fujian Province, China. <i>Ore Geology Reviews</i> , 2016, 72, 682-698.	2.7	27
66	Silician Magnetite: Si-Fe-Nanoprecipitates and Other Mineral Inclusions in Magnetite from the Olympic Dam Deposit, South Australia. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 311.	2.0	27
67	Rare Earth Element Fluorocarbonate Minerals from the Olympic Dam Cu-U-Au-Ag Deposit, South Australia. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 202.	2.0	26
68	Feldspar mineralogy and rare-earth element (re)mobilization in iron-oxide copper gold systems from South Australia: a nanoscale study. <i>Mineralogical Magazine</i> , 2018, 82, S173-S197.	1.4	26
69	Defining IOCG signatures through compositional data analysis: A case study of litho-geochemical zoning from the Olympic Dam deposit, South Australia. <i>Ore Geology Reviews</i> , 2019, 105, 86-101.	2.7	26
70	Short-Range Stacking Disorder in Mixed-Layer Compounds: A HAADF STEM Study of Bastnäs-ite-Parisite Intergrowths. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 227.	2.0	25
71	Numerical Modeling of REE Fractionation Patterns in Fluorapatite from the Olympic Dam Deposit (South Australia). <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 342.	2.0	25
72	Scheelite geochemistry in porphyry-skarn W-Mo systems: A case study from the Gaojiabang Deposit, East China. <i>Ore Geology Reviews</i> , 2019, 113, 103084.	2.7	25

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73	Another look at nagyajgite from the type locality, Scheckmărcuș, Romania: Replacement, chemical variation and petrogenetic implications. <i>Mineralogy and Petrology</i> , 2008, 93, 273-307.	1.1	23
74	Hematite geochemistry and geochronology resolve genetic and temporal links among iron-oxide copper gold systems, Olympic Dam district, South Australia. <i>Precambrian Research</i> , 2019, 335, 105480.	2.7	22
75	Crystal chemistry of titanite from the Roxby Downs Granite, South Australia: insights into petrogenesis, subsolidus evolution and hydrothermal alteration. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1.	3.1	22
76	LAMELLAR MINERALS OF THE CUPROBISMUTITE SERIES AND RELATED PADERAITE: A NEW OCCURRENCE AND IMPLICATIONS. <i>Canadian Mineralogist</i> , 2003, 41, 441-456.	1.0	21
77	Chemical zoning and lattice distortion in uraninite from Olympic Dam, South Australia. <i>American Mineralogist</i> , 2016, 101, 2351-2354.	1.9	21
78	Nanoscale Study of Clausthalite-Bearing Symplectites in Cu-Au-(U) Ores: Implications for Ore Genesis. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 67.	2.0	18
79	Petrography and trace element signatures in silicates and Fe-Ti-oxides from the Lanjiahuoshan deposit, Panzihua layered intrusion, Southwest China. <i>Lithos</i> , 2017, 294-295, 164-183.	1.4	17
80	Petrography and trace element signatures of iron-oxides in deposits from the Middleback Ranges, South Australia: From banded iron formation to ore. <i>Ore Geology Reviews</i> , 2018, 93, 337-360.	2.7	17
81	Replacement of Uraninite By Bornite Via Coupled Dissolution-Reciprecipitation: Evidence From Texture and Microstructure. <i>Canadian Mineralogist</i> , 2016, 54, 1369-1383.	1.0	16
82	Discrimination and Variance Structure of Trace Element Signatures in Fe-Oxides: A Case Study of BIF-Mineralisation from the Middleback Ranges, South Australia. <i>Mathematical Geosciences</i> , 2018, 50, 381-415.	2.4	16
83	Detection of Trace Elements/Isotopes in Olympic Dam Copper Concentrates by nanoSIMS. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 336.	2.0	16
84	REE-, Sr-, Ca-aluminum-phosphate-sulfate minerals of the alunite supergroup and their role as hosts for radionuclides. <i>American Mineralogist</i> , 2019, 104, 1806-1819.	1.9	16
85	Micron- to nano-scale intergrowths among members of the cuprobismutite series and paderaite: HRTEM and microanalytical evidence. <i>Mineralogical Magazine</i> , 2004, 68, 279-300.	1.4	16
86	Postmagmatic magnetite-apatite assemblage in mafic intrusions: a case study of dolerite at Olympic Dam, South Australia. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	3.1	15
87	Zircon at the Nanoscale Records Metasomatic Processes Leading to Large Magmatic-Hydrothermal Ore Systems. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 364.	2.0	15
88	Rare Earth Element Phosphate Minerals from the Olympic Dam Cu-U-Au-Ag Deposit, South Australia: Recognizing Temporal-Spatial Controls On Ree Mineralogy in an Evolved IOCG System. <i>Canadian Mineralogist</i> , 2019, 57, 3-24.	1.0	15
89	Gold behavior in intermediate sulfidation epithermal systems: A case study from the Zhengguang gold deposit, Heilongjiang Province, NE-China. <i>Ore Geology Reviews</i> , 2019, 106, 446-462.	2.7	15
90	Crystals from the Powellite-Scheelite Series at the Nanoscale: A Case Study from the Zhibula Cu Skarn, Gangdese Belt, Tibet. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 340.	2.0	14

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91	Mineralization-alteration footprints in the Olympic Dam IOCG district, South Australia: The Acropolis prospect. <i>Journal of Geochemical Exploration</i> , 2019, 205, 106333.	3.2	14
92	Multivariate Statistical Analysis of Trace Elements in Pyrite: Prediction, Bias and Artefacts in Defining Mineral Signatures. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 61.	2.0	14
93	SOBOLEVSKITE, TAIMYRITE, AND Pt ₂ CuFe (TULAMEENITE?) IN COMPLEX MASSIVE TALNAKHITE ORE, NORIL'SK OREFIELD, RUSSIA. <i>Canadian Mineralogist</i> , 2002, 40, 329-340.	1.0	13
94	Rare earth element geochemistry of feldspars: examples from Fe-oxide Cu-Au systems in the Olympic Cu-Au Province, South Australia. <i>Mineralogy and Petrology</i> , 2018, 112, 145-172.	1.1	13
95	Uptake of trace elements by baryte during copper ore processing: A case study from Olympic Dam, South Australia. <i>Minerals Engineering</i> , 2019, 135, 83-94.	4.3	13
96	GraËianite, MnBi ₂ S ₄ , a new mineral from the Baia Bihor skarn, Romania. <i>American Mineralogist</i> , 2014, 99, 1163-1170.	1.9	12
97	Copper-Arsenic Nanoparticles in Hematite: Fingerprinting Fluid-Mineral Interaction. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 1078-1114.	2.0	12
98	Iron-oxides constrain BIF evolution in terranes with protracted geological histories: The Iron Count prospect, Middleback Ranges, South Australia. <i>Lithos</i> , 2019, 324-325, 20-38.	1.4	12
99	Trace element distributions in (Cu)-Pb-Sb sulfosalts from the Gutaishan Au-Sb deposit, South China: Implications for formation of high fineness native gold. <i>American Mineralogist</i> , 2019, 104, 425-437.	1.9	11
100	Trace element substitution and grain-scale compositional heterogeneity in enargite. <i>Ore Geology Reviews</i> , 2019, 111, 103004.	2.7	10
101	Mineralogy of Zirconium in Iron-Oxides: A Micron- to Nanoscale Study of Hematite Ore from Peculiar Knob, South Australia. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 244.	2.0	9
102	The Basil Cu-Fe-Co deposit, Eastern Arunta Region, Northern Territory, Australia: A metamorphosed volcanic-hosted massive sulphide deposit. <i>Ore Geology Reviews</i> , 2014, 56, 141-158.	2.7	8
103	Petrography and geochemistry of granitoids from the Samphire Pluton, South Australia: Implications for uranium mineralisation in overlying sediments. <i>Lithos</i> , 2018, 300-301, 1-19.	1.4	8
104	Polytypism and Polysomatism in Mixed-Layer Chalcogenides: Characterization of PbBi ₄ Te ₄ S ₃ and Inferences for Ordered Phases in the Aleksite Series. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 628.	2.0	8
105	Nanoscale Study of Titanomagnetite from the Panzhihua Layered Intrusion, Southwest China: Multistage Exsolution Record Ore Formation. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 513.	2.0	7
106	Petrographic and geochronological constraints on the granitic basement to the Middleback Ranges, South Australia. <i>Precambrian Research</i> , 2019, 324, 170-193.	2.7	6
107	Nanoscale intergrowths in the bastnËsite-synchysite series record transition toward thermodynamic equilibrium. <i>MRS Bulletin</i> , 2022, 47, 250-257.	3.5	5
108	A NEW OCCURRENCE OF LAROSITE FROM THE TINNSJA Cu-Ag DEPOSIT, TELEMARK COUNTY, NORWAY. I. PARAGENESIS AND CHEMICAL COMPOSITION. <i>Canadian Mineralogist</i> , 2010, 48, 1569-1573.	1.0	4

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109	Chessboard structures: Atom-scale imaging of homologs from the kobellite series. American Mineralogist, 2019, 104, 459-462.	1.9	4
110	Synthesis of U-Pb doped hematite using a hydrated ferric oxide approach. Journal of Crystal Growth, 2019, 513, 48-57.	1.5	3
111	Editorial for Special Issue "Minerals Down to the Nanoscale: A Glimpse at Ore-Forming Processes" Minerals (Basel, Switzerland), 2019, 9, 692.	2.0	2
112	Nanoscale study of lamellar exsolutions in clinopyroxene from olivine gabbro: recording crystallization sequences in iron-rich layered intrusions. American Mineralogist, 2018, , .	1.9	1
113	Mineralization signatures of the magnetite-dominant Acropolis prospect, Olympic Dam IOCG district, South Australia. ASEG Extended Abstracts, 2019, 2019, 1-5.	0.1	0