Cristiana Ciobanu

List of Publications by Citations

112 papers	4,795 citations	38 h-index	65 g-index
116 ext. papers	5,631 ext. citations	2.9 avg, IF	5.81 L-index

#	Paper	IF	Citations
112	Trace and minor elements in sphalerite: A LA-ICPMS study. *Geochimica Et Cosmochimica Acta*, **2009**, 73, 4761-4791	5.5	411
111	Textural control on gold distribution in As-free pyrite from the Dongping, Huangtuliang and Hougou gold deposits, North China Craton (Hebei Province, China). *Chemical Geology*, **2009**, 264, 101-121	4.2	256
110	Trace and minor elements in sphalerite from base metal deposits in South China: A LA-ICPMS study. *Ore Geology Reviews*, **2011**, 39, 188-217	3.2	205
109	Invisible gold in arsenian pyrite and arsenopyrite from a multistage Archaean gold deposit: Sunrise Dam, Eastern Goldfields Province, Western Australia. *Mineralium Deposita*, **2009**, 44, 765-791	4.8	173
108	Arsenopyrite-Pyrite Association in an Orogenic Gold Ore: Tracing Mineralization History from Textures and Trace Elements. *Economic Geology*, **2013**, 108, 1273-1283	4.3	146
107	Trace and minor elements in galena: A reconnaissance LA-ICP-MS study. *American Mineralogist*, **2015**, 100, 548-569	2.9	118
106	Partitioning of trace elements in co-crystallized sphalerite–galena–chalcopyrite hydrothermal ores. *Ore Geology Reviews*, **2016**, 77, 97-116	3.2	104
105	Letter: Gold-telluride nanoparticles revealed in arsenic-free pyrite. *American Mineralogist*, **2012**, 97, 1515-1518	2.9	102
104	Bi-melt formation and gold scavenging from hydrothermal fluids: An experimental study. *Geochimica Et Cosmochimica Acta*, **2011**, 75, 5423-5443	5.5	101
103	Skarn textures and a case study: the Ocna de Fier-Dognecea orefield, Banat, Romania. *Ore Geology Reviews*, **2004**, 24, 315-370	3.2	101
102	Modeling of gold scavenging by bismuth melts coexisting with hydrothermal fluids. *Geology*, **2008**, 36, 815	5	98
101	Regional setting and geochronology of the Late Cretaceous Banatitic Magmatic and Metallogenetic Belt. *Mineralium Deposita*, **2002**, 37, 541-567	4.8	91
100	Minor and trace elements in bornite and associated Cu(Fe)-sulfides: A LA-ICP-MS studyBornite mineral chemistry. *Geochimica Et Cosmochimica Acta*, **2011**, 75, 6473-6496	5.5	88
99	Invisible gold in bismuth chalcogenides. *Geochimica Et Cosmochimica Acta*, **2009**, 73, 1970-1999	5.5	85
98	Bismuth tellurides and sulphosalts from the Larga hydrothermal system, Metaliferi Mts , Romania: Paragenesis and genetic significance. *Mineralogical Magazine*, **2004**, 68, 301-321	1.7	85
97	Focussed ion beam–transmission electron microscopy applications in ore mineralogy: Bridging micro- and nanoscale observations. *Ore Geology Reviews*, **2011**, 42, 6-31	3.2	80
96	Rare earths and other trace elements in minerals from skarn assemblages, Hillside iron oxide–copper–gold deposit, Yorke Peninsula, South Australia. *Lithos*, **2014**, 184-187, 456-477	2.9	78

95	Trace Element Analysis of Minerals in Magmatic-Hydrothermal Ores by Laser Ablation Inductively-Coupled Plasma Mass Spectrometry: Approaches and Opportunities. *Minerals (Basel, Switzerland)*, **2016**, 6, 111	2.4	75
94	A combined chemical, isotopic and microstructural study of pyrite from roll-front uranium deposits, Lake Eyre Basin, South Australia. *Geochimica Et Cosmochimica Acta*, **2014**, 125, 440-465	5.5	74
93	Uranium-bearing hematite from the Olympic Dam Cu□U□Au deposit, South Australia: A geochemical tracer and reconnaissance Pb□Pb geochronometer. *Precambrian Research*, **2013**, 238, 129-147	3.9	72
92	Petrogenetic significance of Au□Bi□Te□S associations: The example of Maldon, Central Victorian gold province, Australia. *Lithos*, **2010**, 116, 1-17	2.9	71
91	Multivariate Analysis of an LA-ICP-MS Trace Element Dataset for Pyrite. *Mathematical Geosciences*, **2012**, 44, 823-842	2.5	69
90	Gold scavenged by bismuth melts: An example from Alpine shear-remobilizates in the Highi□ Massif, Romania. *Mineralogy and Petrology*, **2006**, 87, 351-384	1.6	68
89	Trace elements in hydrothermal chalcopyrite. *Mineralogical Magazine*, **2018**, 82, 59-88	1.7	67
88	Letter. Determination of the oxidation state of Cu in substituted Cu-In-Fe-bearing sphalerite via □XANES spectroscopy. *American Mineralogist*, **2012**, 97, 476-479	2.9	65
87	MINERALS OF THE SYSTEM Bi Te Se S RELATED TO THE TETRADYMITE ARCHETYPE: REVIEW OF CLASSIFICATION AND COMPOSITIONAL VARIATION. *Canadian Mineralogist*, **2007**, 45, 665-708	0.7	65
86	Preface □Special Issue: Telluride and selenide minerals in gold deposits □how and why?. *Mineralogy and Petrology*, **2006**, 87, 163-169	1.6	64
85	Trace and minor elements in sphalerite from metamorphosed sulphide deposits. *Mineralogy and Petrology*, **2014**, 108, 873-890	1.6	62
84	Indium mineralisation in A-type granites in southeastern Finland: Insights into mineralogy and partitioning between coexisting minerals. *Chemical Geology*, **2011**, 284, 62-73	4.2	62
83	Sulfur isotope fractionation in pyrite during laser ablation: Implications for laser ablation multiple collector inductively coupled plasma mass spectrometry mapping. *Chemical Geology*, **2017**, 450, 223-234	4.2	58
82	The mineralogy and mineral chemistry of indium in sulphide deposits and implications for mineral processing. *Hydrometallurgy*, **2011**, 108, 226-228	4	54
81	Distribution and Substitution Mechanism of Ge in a Ge-(Fe)-Bearing Sphalerite. *Minerals (Basel, Switzerland)*, **2015**, 5, 117-132	2.4	53
80	Trace element heterogeneity in molybdenite fingerprints stages of mineralization. *Chemical Geology*, **2013**, 347, 175-189	4.2	52
79	Mapping of Sulfur Isotopes and Trace Elements in Sulfides by LA-(MC)-ICP-MS: Potential Analytical Problems, Improvements and Implications. *Minerals (Basel, Switzerland)*, **2016**, 6, 110	2.4	52
78	Uraninite from the Olympic Dam IOCG-U-Ag deposit: linking textural and compositional variation to temporal evolution. *American Mineralogist*, **2016**, 101, 1295-1320	2.9	48

77	Skarn formation and trace elements in garnet and associated minerals from Zhibula copper deposit, Gangdese Belt, southern Tibet. *Lithos*, **2016**, 262, 213-231	2.9	45
76	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. *Ore Geology Reviews*, **2017**, 91, 173-195	3.2	40
75	Feldspar evolution in the Roxby Downs Granite, host to Fe-oxide Cu-Au-(U) mineralisation at Olympic Dam, South Australia. *Ore Geology Reviews*, **2017**, 80, 838-859	3.2	40
74	EARLY, DEEP MAGNETITE-FLUORAPATITE MINERALIZATION AT THE OLYMPIC DAM Cu-U-Au-Ag DEPOSIT, SOUTH AUSTRALIA*. *Economic Geology*, **2017**, 112, 1531-1542	4.3	37
73	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. *Geochimica Et Cosmochimica Acta*, **2018**, 222, 94-116	5.5	37
72	Albitization and redistribution of REE and Y in IOCG systems: Insights from Moonta-Wallaroo, Yorke Peninsula, South Australia. *Lithos*, **2014**, 208-209, 178-201	2.9	37
71	Apatite at Olympic Dam, South Australia: A petrogenetic tool. *Lithos*, **2016**, 262, 470-485	2.9	37
70	Rare Earth Element Behaviour in Apatite from the Olympic Dam Cu□□Au□g Deposit, South Australia. *Minerals (Basel, Switzerland)*, **2017**, 7, 135	2.4	34
69	The Niujiaotang Cd-rich zinc deposit, Duyun, Guizhou province, southwest China: ore genesis and mechanisms of cadmium concentration. *Mineralium Deposita*, **2012**, 47, 683-700	4.8	34
68	Minor and Trace Elements in Natural Tetrahedrite-Tennantite: Effects on Element Partitioning among Base Metal Sulphides. *Minerals (Basel, Switzerland)*, **2017**, 7, 17	2.4	33
67	Mineral chemistry of Rare Earth Element (REE) mineralization, Browns Ranges, Western Australia. *Lithos*, **2013**, 172-173, 192-213	2.9	31
66	Tellurides from Sunrise Dam gold deposit, Yilgarn Craton, Western Australia: a new occurrence of nagy□ite. *Mineralogy and Petrology*, **2007**, 91, 249-270	1.6	30
65	Ore minerals down to the nanoscale: Cu-(Fe)-sulphides from the iron oxide copper gold deposit at Olympic Dam, South Australia. *Ore Geology Reviews*, **2017**, 81, 1218-1235	3.2	29
64	Paragenesis of Cu-Fe ores from Ocna de Fier-Dognecea (Romania), typifying fluid plume mineralization in a proximal skarn setting. *Mineralogical Magazine*, **2001**, 65, 351-372	1.7	29
63	Matrix-Matched Iron-Oxide Laser Ablation ICP-MS U□Pb Geochronology Using Mixed Solution Standards. *Minerals (Basel, Switzerland)*, **2016**, 6, 85	2.4	29
62	Advances and Opportunities in Ore Mineralogy. *Minerals (Basel, Switzerland)*, **2017**, 7, 233	2.4	28
61	A multi-technique evaluation of hydrothermal hematite U Pb isotope systematics: Implications for ore deposit geochronology. *Chemical Geology*, **2019**, 513, 54-72	4.2	25
60	The future of biotechnology for gold exploration and processing. *Minerals Engineering*, **2012**, 32, 45-53	4.9	25

59	The Wirrda Well and Acropolis prospects, Gawler Craton, South Australia: Insights into evolving fluid conditions through apatite chemistry. *Journal of Geochemical Exploration*, **2017**, 181, 276-291	3.8	24
58	Chemical-structural modularity in the tetradymite group: A HRTEM study. *American Mineralogist*, **2009**, 94, 517-534	2.9	24
57	COMPOSITIONAL DATA FOR Bi-Pb TELLUROSULFIDES. *Canadian Mineralogist*, **2007**, 45, 417-435	0.7	23
56	Focused Ion Beam and Advanced Electron Microscopy for Minerals: Insights and Outlook from Bismuth Sulphosalts. *Minerals (Basel, Switzerland)*, **2016**, 6, 112	2.4	23
55	Feldspar mineralogy and rare-earth element (re)mobilization in iron-oxide copper gold systems from South Australia: a nanoscale study. *Mineralogical Magazine*, **2018**, 82, S173-S197	1.7	22
54	210Pb and 210Po in Geological and Related Anthropogenic Materials: Implications for Their Mineralogical Distribution in Base Metal Ores. *Minerals (Basel, Switzerland)*, **2018**, 8, 211	2.4	22
53	Another look at nagyágite from the type locality, S(check{rm{a}})c(check{rm{a}})rmb, Romania: Replacement, chemical variation and petrogenetic implications. *Mineralogy and Petrology*, **2008**, 93, 273-307	1.6	22
52	Intergrowths of bismuth sulphosalts from the Ocna de Fier Fe-skarn deposit, Banat, Southwest Romania. *European Journal of Mineralogy*, **2000**, 12, 899-917	2.2	21
51	Silician Magnetite: SiO2-Nanoprecipitates and Other Mineral Inclusions in Magnetite from the Olympic Dam Deposit, South Australia. *Minerals (Basel, Switzerland)*, **2019**, 9, 311	2.4	20
50	Textures and trace element signatures of pyrite and arsenopyrite from the Gutaishan Au–Sb deposit, South China. *Mineralium Deposita*, **2019**, 54, 591-610	4.8	20
49	Rare Earth Element Fluorocarbonate Minerals from the Olympic Dam Cu-U-Au-Ag Deposit, South Australia. *Minerals (Basel, Switzerland)*, **2017**, 7, 202	2.4	20
48	Mineralogy of tin-sulfides in the Zijinshan porphyry–epithermal system, Fujian Province, China. *Ore Geology Reviews*, **2016**, 72, 682-698	3.2	19
47	Nanogeoscience in ore systems research: Principles, methods, and applications. *Ore Geology Reviews*, **2011**, 42, 1-5	3.2	19
46	Indium distribution in sphalerite from sulfide–oxide–silicate skarn assemblages: a case study of the Dulong Zn–Sn–In deposit, Southwest China. *Mineralium Deposita*, **2021**, 56, 307-324	4.8	19
45	Short-Range Stacking Disorder in Mixed-Layer Compounds: A HAADF STEM Study of Bastnäsite-Parisite Intergrowths. *Minerals (Basel, Switzerland)*, **2017**, 7, 227	2.4	18
44	Defining IOCG signatures through compositional data analysis: A case study of lithogeochemical zoning from the Olympic Dam deposit, South Australia. *Ore Geology Reviews*, **2019**, 105, 86-101	3.2	18
43	Defining early stages of IOCG systems: evidence from iron oxides in the outer shell of the Olympic Dam deposit, South Australia. *Mineralium Deposita*, **2020**, 55, 429-452	4.8	18
42	Chemical zoning and lattice distortion in uraninite from Olympic Dam, South Australia. *American Mineralogist*, **2016**, 101, 2351-2354	2.9	17

41	Nanoscale Study of Clausthalite-Bearing Symplectites in Cu-Au-(U) Ores: Implications for Ore Genesis. *Minerals (Basel, Switzerland)*, **2018**, 8, 67	2.4	16
40	Petrography and trace element signatures of iron-oxides in deposits from the Middleback Ranges, South Australia: From banded iron formation to ore. *Ore Geology Reviews*, **2018**, 93, 337-360	3.2	15
39	Numerical Modeling of REE Fractionation Patterns in Fluorapatite from the Olympic Dam Deposit (South Australia). *Minerals (Basel, Switzerland)*, **2018**, 8, 342	2.4	15
38	Scheelite geochemistry in porphyry-skarn W-Mo systems: A case study from the Gaojiabang Deposit, East China. *Ore Geology Reviews*, **2019**, 113, 103084	3.2	14
37	Hematite geochemistry and geochronology resolve genetic and temporal links among iron-oxide copper gold systems, Olympic Dam district, South Australia. *Precambrian Research*, **2019**, 335, 105480	3.9	13
36	Detection of Trace Elements/Isotopes in Olympic Dam Copper Concentrates by nanoSIMS. *Minerals (Basel, Switzerland)*, **2019**, 9, 336	2.4	13
35	Uptake of trace elements by baryte during copper ore processing: A case study from Olympic Dam, South Australia. *Minerals Engineering*, **2019**, 135, 83-94	4.9	13
34	Discrimination and Variance Structure of Trace Element Signatures in Fe-Oxides: A Case Study of BIF-Mineralisation from the Middleback Ranges, South Australia. *Mathematical Geosciences*, **2018**, 50, 381-415	2.5	13
33	Replacement of Uraninite By BorniteViaCoupled Dissolution-Reprecipitation: Evidence From Texture and Microstructure. *Canadian Mineralogist*, **2016**, 54, 1369-1383	0.7	13
32	Postmagmatic magnetite□patite assemblage in mafic intrusions: a case study of dolerite at Olympic Dam, South Australia. *Contributions To Mineralogy and Petrology*, **2016**, 171, 1	3.5	13
31	LAMELLAR MINERALS OF THE CUPROBISMUTITE SERIES AND RELATED PADERAITE: A NEW OCCURRENCE AND IMPLICATIONS. *Canadian Mineralogist*, **2003**, 41, 441-456	0.7	12
30	OPENING THE MAGMATIC-HYDROTHERMAL WINDOW: HIGH-PRECISION U-Pb GEOCHRONOLOGY OF THE MESOPROTEROZOIC OLYMPIC DAM Cu-U-Au-Ag DEPOSIT, SOUTH AUSTRALIA. *Economic Geology*, **2020**, 115, 1855-1870	4.3	12
29	Gold behavior in intermediate sulfidation epithermal systems: A case study from the Zhengguang gold deposit, Heilongjiang Province, NE-China. *Ore Geology Reviews*, **2019**, 106, 446-462	3.2	11
28	Rare earth element geochemistry of feldspars: examples from Fe-oxide Cu-Au systems in the Olympic Cu-Au Province, South Australia. *Mineralogy and Petrology*, **2018**, 112, 145-172	1.6	11
27	Mineralization-alteration footprints in the Olympic Dam IOCG district, South Australia: The Acropolis prospect. *Journal of Geochemical Exploration*, **2019**, 205, 106333	3.8	11
26	Zircon at the Nanoscale Records Metasomatic Processes Leading to Large Magmatic□Hydrothermal Ore Systems. *Minerals (Basel, Switzerland)*, **2019**, 9, 364	2.4	11
25	REE-, Sr-, Ca-aluminum-phosphate-sulfate minerals of the alunite supergroup and their role as hosts for radionuclides. *American Mineralogist*, **2019**, 104, 1806-1819	2.9	11
24	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. *Canadian Mineralogist*, **2019**, 57, 3-24	0.7	10

23	Crystal chemistry of titanite from the Roxby Downs Granite, South Australia: insights into petrogenesis, subsolidus evolution and hydrothermal alteration. *Contributions To Mineralogy and Petrology*, **2019**, 174, 1	3.5	10
22	Multivariate Statistical Analysis of Trace Elements in Pyrite: Prediction, Bias and Artefacts in Defining Mineral Signatures. *Minerals (Basel, Switzerland)*, **2020**, 10, 61	2.4	10
21	Crystals from the Powellite-Scheelite Series at the Nanoscale: A Case Study from the Zhibula Cu Skarn, Gangdese Belt, Tibet. *Minerals (Basel, Switzerland)*, **2019**, 9, 340	2.4	10
20	Iron-oxides constrain BIF evolution in terranes with protracted geological histories: The Iron Count prospect, Middleback Ranges, South Australia. *Lithos*, **2019**, 324-325, 20-38	2.9	10
19	Petrography and trace element signatures in silicates and Fe□i-oxides from the Lanjiahuoshan deposit, Panzhihua layered intrusion, Southwest China. *Lithos*, **2017**, 294-295, 164-183	2.9	9
18	SOBOLEVSKITE, TAIMYRITE, AND Pt2CuFe (TULAMEENITE?) IN COMPLEX MASSIVE TALNAKHITE ORE, NORIL'SK OREFIELD, RUSSIA. *Canadian Mineralogist*, **2002**, 40, 329-340	0.7	9
17	Trace element distributions in (Cu)-Pb-Sb sulfosalts from the Gutaishan Au-Sb deposit, South China: Implications for formation of high fineness native gold. *American Mineralogist*, **2019**, 104, 425-437	2.9	8
16	Gra□anite, MnBi2S4, a new mineral from the Bi□ Bihor skarn, Romania. *American Mineralogist*, **2014**, 99, 1163-1170	2.9	8
15	Micron- to nano-scale intergrowths among members of the cuprobismutite series and pad□aite: HRTEM and microanalytical evidence. *Mineralogical Magazine*, **2004**, 68, 279-300	1.7	8
14	Petrography and geochemistry of granitoids from the Samphire Pluton, South Australia: Implications for uranium mineralisation in overlying sediments. *Lithos*, **2018**, 300-301, 1-19	2.9	8
13	Mineralogy of Zirconium in Iron-Oxides: A Micron- to Nanoscale Study of Hematite Ore from Peculiar Knob, South Australia. *Minerals (Basel, Switzerland)*, **2019**, 9, 244	2.4	6
12	Copper-Arsenic Nanoparticles in Hematite: Fingerprinting Fluid-Mineral Interaction. *Minerals (Basel, Switzerland)*, **2019**, 9, 388	2.4	6
11	The Basil Cu□o deposit, Eastern Arunta Region, Northern Territory, Australia: A metamorphosed volcanic-hosted massive sulphide deposit. *Ore Geology Reviews*, **2014**, 56, 141-158	3.2	6
10	Petrographic and geochronological constraints on the granitic basement to the Middleback Ranges, South Australia. *Precambrian Research*, **2019**, 324, 170-193	3.9	5
9	Trace element substitution and grain-scale compositional heterogeneity in enargite. *Ore Geology Reviews*, **2019**, 111, 103004	3.2	5
8	Polytypism and Polysomatism in Mixed-Layer Chalcogenides: Characterization of PbBi4Te4S3 and Inferences for Ordered Phases in the Aleksite Series. *Minerals (Basel, Switzerland)*, **2019**, 9, 628	2.4	4
7	A NEW OCCURRENCE OF LAROSITE FROM THE TINNSJA Cu-Ag DEPOSIT, TELEMARK COUNTY, NORWAY. I. PARAGENESIS AND CHEMICAL COMPOSITION. *Canadian Mineralogist*, **2010**, 48, 1569-1573	0.7	4
6	Nanoscale Study of Titanomagnetite from the Panzhihua Layered Intrusion, Southwest China: Multistage Exsolutions Record Ore Formation. *Minerals (Basel, Switzerland)*, **2019**, 9, 513	2.4	3

5	Synthesis of U-Pb doped hematite using a hydrated ferric oxide approach. *Journal of Crystal Growth* , **2019**, 513, 48-57	1.6	3
4	Chessboard structures: Atom-scale imaging of homologs from the kobellite series. *American Mineralogist*, **2019**, 104, 459-462	2.9	2
3	Nanoscale study of lamellar exsolutions in clinopyroxene from olivine gabbro: Recording crystallization sequences in iron-rich layered intrusions. *American Mineralogist*, **2018**,	2.9	1
2	Nanoscale intergrowths in the bastnäsite-synchysite series record transition toward thermodynamic equilibrium. *MRS Bulletin*,1	3.2	1
1	Mineralization signatures of the magnetite-dominant Acropolis prospect, Olympic Dam IOCG district, South Australia. *ASEG Extended Abstracts*, **2019**, 2019, 1-5	0.2	