

Cristiana Ciobanu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Indium distribution in sphalerite from sulfide-oxide-silicate skarn assemblages: a case study of the Dulong Zn-Bi deposit, Southwest China. <i>Mineralium Deposita</i> , 2021 , 56, 307-324	4.8	19
111	Multivariate Statistical Analysis of Trace Elements in Pyrite: Prediction, Bias and Artefacts in Defining Mineral Signatures. <i>Minerals (Basel, Switzerland)</i> , 2020 , 10, 61	2.4	10
110	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	4.3	12
109	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	4.8	18
108	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	3.2	14
107	Nanoscale Study of Titanomagnetite from the Panzihua Layered Intrusion, Southwest China: Multistage Exsolutions Record Ore Formation. <i>Minerals (Basel, Switzerland)</i> , 2019 , 9, 513	2.4	3
106	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	3.9	13
105	Petrographic and geochronological constraints on the granitic basement to the Middleback Ranges, South Australia. <i>Precambrian Research</i> , 2019 , 324, 170-193	3.9	5
104	Silicic Magnetite: Si-Be-Nanoprecipitates and Other Mineral Inclusions in Magnetite from the Olympic Dam Deposit, South Australia. <i>Minerals (Basel, Switzerland)</i> , 2019 , 9, 311	2.4	20
103	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	0.7	10
102	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	3.5	10
101	Detection of Trace Elements/Isotopes in Olympic Dam Copper Concentrates by nanoSIMS. <i>Minerals (Basel, Switzerland)</i> , 2019 , 9, 336	2.4	13
100	Chessboard structures: Atom-scale imaging of homologs from the kobellite series. <i>American Mineralogist</i> , 2019 , 104, 459-462	2.9	2
99	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	2.4	6
98	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	2.9	8
97	A multi-technique evaluation of hydrothermal hematite U-Pb isotope systematics: Implications for ore deposit geochronology. <i>Chemical Geology</i> , 2019 , 513, 54-72	4.2	25
96	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	4.9	13

95	Synthesis of U-Pb doped hematite using a hydrated ferric oxide approach. <i>Journal of Crystal Growth</i> , 2019 , 513, 48-57	1.6	3
94	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	3.2	11
93	Textures and trace element signatures of pyrite and arsenopyrite from the Gutaishan Au±B deposit, South China. <i>Mineralium Deposita</i> , 2019 , 54, 591-610	4.8	20
92	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	2.4	10
91	Mineralization-alteration footprints in the Olympic Dam IOCG district, South Australia: The Acropolis prospect. <i>Journal of Geochemical Exploration</i> , 2019 , 205, 106333	3.8	11
90	Zircon at the Nanoscale Records Metasomatic Processes Leading to Large Magmatic-Hydrothermal Ore Systems. <i>Minerals (Basel, Switzerland)</i> , 2019 , 9, 364	2.4	11
89	Trace element substitution and grain-scale compositional heterogeneity in enargite. <i>Ore Geology Reviews</i> , 2019 , 111, 103004	3.2	5
88	Copper-Arsenic Nanoparticles in Hematite: Fingerprinting Fluid-Mineral Interaction. <i>Minerals (Basel, Switzerland)</i> , 2019 , 9, 388	2.4	6
87	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	2.4	4
86	Mineralization signatures of the magnetite-dominant Acropolis prospect, Olympic Dam IOCG district, South Australia. <i>ASEG Extended Abstracts</i> , 2019 , 2019, 1-5	0.2	
85	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	2.9	11
84	Defining IOCG signatures through compositional data analysis: A case study of lithogeochemical zoning from the Olympic Dam deposit, South Australia. <i>Ore Geology Reviews</i> , 2019 , 105, 86-101	3.2	18
83	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	2.9	10
82	Trace elements in hydrothermal chalcopyrite. <i>Mineralogical Magazine</i> , 2018 , 82, 59-88	1.7	67
81	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	2.5	13
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	3.2	15
79	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	5.5	37
78	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	1.6	11

77	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	1.7	22
76	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	2.4	22
75	Numerical Modeling of REE Fractionation Patterns in Fluorapatite from the Olympic Dam Deposit (South Australia). <i>Minerals (Basel, Switzerland)</i> , 2018 , 8, 342	2.4	15
74	Petrography and geochemistry of granitoids from the Sapphire Pluton, South Australia: Implications for uranium mineralisation in overlying sediments. <i>Lithos</i> , 2018 , 300-301, 1-19	2.9	8
73	Nanoscale study of lamellar exsolutions in clinopyroxene from olivine gabbro: Recording crystallization sequences in iron-rich layered intrusions. <i>American Mineralogist</i> , 2018 ,	2.9	1
72	Nanoscale Study of Clausthalite-Bearing Symplectites in Cu-Au-(U) Ores: Implications for Ore Genesis. <i>Minerals (Basel, Switzerland)</i> , 2018 , 8, 67	2.4	16
71	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 ^{4.2}		58
70	Petrography and trace element signatures in silicates and Fe ^{III} -oxides from the Lanjiahuoshan deposit, Panzhihua layered intrusion, Southwest China. <i>Lithos</i> , 2017 , 294-295, 164-183	2.9	9
69	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	3.2	40
68	Short-Range Stacking Disorder in Mixed-Layer Compounds: A HAADF STEM Study of Bastn�ite-Parisite Intergrowths. <i>Minerals (Basel, Switzerland)</i> , 2017 , 7, 227	2.4	18
67	EARLY, DEEP MAGNETITE-FLUORAPATITE MINERALIZATION AT THE OLYMPIC DAM Cu-U-Au-Ag DEPOSIT, SOUTH AUSTRALIA*. <i>Economic Geology</i> , 2017 , 112, 1531-1542	4.3	37
66	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	3.8	24
65	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	3.2	40
64	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	3.2	29
63	Advances and Opportunities in Ore Mineralogy. <i>Minerals (Basel, Switzerland)</i> , 2017 , 7, 233	2.4	28
62	Rare Earth Element Fluorocarbonate Minerals from the Olympic Dam Cu-U-Au-Ag Deposit, South Australia. <i>Minerals (Basel, Switzerland)</i> , 2017 , 7, 202	2.4	20
61	Minor and Trace Elements in Natural Tetrahedrite-Tennantite: Effects on Element Partitioning among Base Metal Sulphides. <i>Minerals (Basel, Switzerland)</i> , 2017 , 7, 17	2.4	33
60	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	2.4	34

59	Mineralogy of tin-sulfides in the Zijinshan porphyry-epithermal system, Fujian Province, China. <i>Ore Geology Reviews</i> , 2016 , 72, 682-698	3.2	19
58	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	2.9	45
57	Chemical zoning and lattice distortion in uraninite from Olympic Dam, South Australia. <i>American Mineralogist</i> , 2016 , 101, 2351-2354	2.9	17
56	Replacement of Uraninite By Bornite Via Coupled Dissolution-Reprecipitation: Evidence From Texture and Microstructure. <i>Canadian Mineralogist</i> , 2016 , 54, 1369-1383	0.7	13
55	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	2.9	48
54	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	3.5	13
53	Partitioning of trace elements in co-crystallized sphalerite-galena-halcopyrite hydrothermal ores. <i>Ore Geology Reviews</i> , 2016 , 77, 97-116	3.2	104
52	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	2.4	52
51	Focused Ion Beam and Advanced Electron Microscopy for Minerals: Insights and Outlook from Bismuth Sulphosalts. <i>Minerals (Basel, Switzerland)</i> , 2016 , 6, 112	2.4	23
50	Matrix-Matched Iron-Oxide Laser Ablation ICP-MS U-Pb Geochronology Using Mixed Solution Standards. <i>Minerals (Basel, Switzerland)</i> , 2016 , 6, 85	2.4	29
49	Trace Element Analysis of Minerals in Magmatic-Hydrothermal Ores by Laser Ablation Inductively-Coupled Plasma Mass Spectrometry: Approaches and Opportunities. <i>Minerals (Basel, Switzerland)</i> , 2016 , 6, 111	2.4	75
48	Apatite at Olympic Dam, South Australia: A petrogenetic tool. <i>Lithos</i> , 2016 , 262, 470-485	2.9	37
47	Trace and minor elements in galena: A reconnaissance LA-ICP-MS study. <i>American Mineralogist</i> , 2015 , 100, 548-569	2.9	118
46	Distribution and Substitution Mechanism of Ge in a Ge-(Fe)-Bearing Sphalerite. <i>Minerals (Basel, Switzerland)</i> , 2015 , 5, 117-132	2.4	53
45	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	2.9	78
44	Grafitite, MnBi ₂ S ₄ , a new mineral from the Bi-Bihar skarn, Romania. <i>American Mineralogist</i> , 2014 , 99, 1163-1170	2.9	8
43	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	2.9	37
42	Trace and minor elements in sphalerite from metamorphosed sulphide deposits. <i>Mineralogy and Petrology</i> , 2014 , 108, 873-890	1.6	62

41	The Basil Cu ²⁺ deposit, Eastern Arunta Region, Northern Territory, Australia: A metamorphosed volcanic-hosted massive sulphide deposit. <i>Ore Geology Reviews</i> , 2014 , 56, 141-158	3.2	6
40	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	5.5	74
39	Arsenopyrite-Pyrite Association in an Orogenic Gold Ore: Tracing Mineralization History from Textures and Trace Elements. <i>Economic Geology</i> , 2013 , 108, 1273-1283	4.3	146
38	Uranium-bearing hematite from the Olympic Dam Cu ²⁺ Au deposit, South Australia: A geochemical tracer and reconnaissance Pb ²¹⁰ Pb geochronometer. <i>Precambrian Research</i> , 2013 , 238, 129-147	3.9	72
37	Mineral chemistry of Rare Earth Element (REE) mineralization, Browns Ranges, Western Australia. <i>Lithos</i> , 2013 , 172-173, 192-213	2.9	31
36	Trace element heterogeneity in molybdenite fingerprints stages of mineralization. <i>Chemical Geology</i> , 2013 , 347, 175-189	4.2	52
35	The future of biotechnology for gold exploration and processing. <i>Minerals Engineering</i> , 2012 , 32, 45-53	4.9	25
34	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	4.8	34
33	Multivariate Analysis of an LA-ICP-MS Trace Element Dataset for Pyrite. <i>Mathematical Geosciences</i> , 2012 , 44, 823-842	2.5	69
32	Letter. Determination of the oxidation state of Cu in substituted Cu-In-Fe-bearing sphalerite via EXANES spectroscopy. <i>American Mineralogist</i> , 2012 , 97, 476-479	2.9	65
31	Letter: Gold-telluride nanoparticles revealed in arsenic-free pyrite. <i>American Mineralogist</i> , 2012 , 97, 1515-1518	2.1	102
30	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	4.2	62
29	Bi-melt formation and gold scavenging from hydrothermal fluids: An experimental study. <i>Geochimica Et Cosmochimica Acta</i> , 2011 , 75, 5423-5443	5.5	101
28	Minor and trace elements in bornite and associated Cu(Fe)-sulfides: A LA-ICP-MS study Bornite mineral chemistry. <i>Geochimica Et Cosmochimica Acta</i> , 2011 , 75, 6473-6496	5.5	88
27	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	3.2	205
26	Nanogeoscience in ore systems research: Principles, methods, and applications. <i>Ore Geology Reviews</i> , 2011 , 42, 1-5	3.2	19
25	Focussed ion beam transmission electron microscopy applications in ore mineralogy: Bridging micro- and nanoscale observations. <i>Ore Geology Reviews</i> , 2011 , 42, 6-31	3.2	80
24	The mineralogy and mineral chemistry of indium in sulphide deposits and implications for mineral processing. <i>Hydrometallurgy</i> , 2011 , 108, 226-228	4	54

23	A NEW OCCURRENCE OF LAROSITE FROM THE TINNSJA Cu-Ag DEPOSIT, TELEMARCK COUNTY, NORWAY. I. PARAGENESIS AND CHEMICAL COMPOSITION. <i>Canadian Mineralogist</i> , 2010 , 48, 1569-1573	0.7	4
22	Petrogenetic significance of Au-Bi-Te-S associations: The example of Maldon, Central Victorian gold province, Australia. <i>Lithos</i> , 2010 , 116, 1-17	2.9	71
21	Chemical-structural modularity in the tetradymite group: A HRTEM study. <i>American Mineralogist</i> , 2009 , 94, 517-534	2.9	24
20	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	4.8	173
19	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	4.2	256
18	Invisible gold in bismuth chalcogenides. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 1970-1999	5.5	85
17	Trace and minor elements in sphalerite: A LA-ICPMS study. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 4761-4791	5.5	411
16	Modeling of gold scavenging by bismuth melts coexisting with hydrothermal fluids. <i>Geology</i> , 2008 , 36, 815	5	98
15	Another look at nagybajnaite from the type locality, Săcărâmb, Romania: Replacement, chemical variation and petrogenetic implications. <i>Mineralogy and Petrology</i> , 2008 , 93, 273-307	1.6	22
14	MINERALS OF THE SYSTEM Bi-Te-Se-S RELATED TO THE TETRADYMITTE ARCHETYPE: REVIEW OF CLASSIFICATION AND COMPOSITIONAL VARIATION. <i>Canadian Mineralogist</i> , 2007 , 45, 665-708	0.7	65
13	Tellurides from Sunrise Dam gold deposit, Yilgarn Craton, Western Australia: a new occurrence of nagybajnaite. <i>Mineralogy and Petrology</i> , 2007 , 91, 249-270	1.6	30
12	COMPOSITIONAL DATA FOR Bi-Pb TELLUROSULFIDES. <i>Canadian Mineralogist</i> , 2007 , 45, 417-435	0.7	23
11	Gold scavenged by bismuth melts: An example from Alpine shear-remobilized in the High Tatras Massif, Romania. <i>Mineralogy and Petrology</i> , 2006 , 87, 351-384	1.6	68
10	Preface to Special Issue: Telluride and selenide minerals in gold deposits (how and why?). <i>Mineralogy and Petrology</i> , 2006 , 87, 163-169	1.6	64
9	Bismuth tellurides and sulphosalts from the Larga hydrothermal system, Metaliferi Mts., Romania: Paragenesis and genetic significance. <i>Mineralogical Magazine</i> , 2004 , 68, 301-321	1.7	85
8	Skarn textures and a case study: the Ocna de Fier-Dognecea orefield, Banat, Romania. <i>Ore Geology Reviews</i> , 2004 , 24, 315-370	3.2	101
7	Micron- to nano-scale intergrowths among members of the cuprobismutite series and padaraite: HRTEM and microanalytical evidence. <i>Mineralogical Magazine</i> , 2004 , 68, 279-300	1.7	8
6	LAMELLAR MINERALS OF THE CUPROBISMUTITE SERIES AND RELATED PADARAITE: A NEW OCCURRENCE AND IMPLICATIONS. <i>Canadian Mineralogist</i> , 2003 , 41, 441-456	0.7	12

5	Regional setting and geochronology of the Late Cretaceous Banatitic Magmatic and Metallogenic Belt. <i>Mineralium Deposita</i> , 2002 , 37, 541-567	4.8	91
4	SOBOLEVSKITE, TAIMYRITE, AND Pt ₂ CuFe (TULAMEENITE?) IN COMPLEX MASSIVE TALNAKHITE ORE, NORIL'SK OREFIELD, RUSSIA. <i>Canadian Mineralogist</i> , 2002 , 40, 329-340	0.7	9
3	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	1.7	29
2	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	2.2	21
1	Nanoscale intergrowths in the bastn�site-synchysite series record transition toward thermodynamic equilibrium. <i>MRS Bulletin</i> , 1	3.2	1