

Cristiana Ciobanu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/979058/publications.pdf>

Version: 2024-02-01

113
papers

6,679
citations

61984

43
h-index

64796

79
g-index

117
all docs

117
docs citations

117
times ranked

2578
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale intergrowths in the bastn�site�synchronite series record transition toward thermodynamic equilibrium. <i>MRS Bulletin</i> , 2022, 47, 250-257.	3.5	5
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	Trace element substitution and grain-scale compositional heterogeneity in enargite. <i>Ore Geology Reviews</i> , 2019, 111, 103004.	2.7	10
11	Copper-Arsenic Nanoparticles in Hematite: Fingerprinting Fluid-Mineral Interaction. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 314.	2.0	12
12	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
13	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
14	Nanoscale Study of Titanomagnetite from the Panzhihua Layered Intrusion, Southwest China: Multistage Exsolutions Record Ore Formation. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 513.	2.0	7
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Detection of Trace Elements/Isotopes in Olympic Dam Copper Concentrates by nanoSIMS. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 336.	2.0	16
21	Chessboard structures: Atom-scale imaging of homologs from the kobellite series. <i>American Mineralogist</i> , 2019, 104, 459-462.	1.9	4
22	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
23	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
24	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
25	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
26	Synthesis of U-Pb doped hematite using a hydrated ferric oxide approach. <i>Journal of Crystal Growth</i> , 2019, 513, 48-57.	1.5	3
27	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
28	Mineralization signatures of the magnetite-dominant Acropolis prospect, Olympic Dam IOCG district, South Australia. <i>ASEG Extended Abstracts</i> , 2019, 2019, 1-5.	0.1	0
29	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
30	Editorial for Special Issue "Minerals Down to the Nanoscale: A Glimpse at Ore-Forming Processes". <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 692.	2.0	2
31	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.	2.7	26
32	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
33	Trace elements in hydrothermal chalcopyrite. <i>Mineralogical Magazine</i> , 2018, 82, 59-88.	1.4	115
34	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	Nanoscale study of lamellar exsolutions in clinopyroxene from olivine gabbro: recording crystallization sequences in iron-rich layered intrusions. <i>American Mineralogist</i> , 2018, , .	1.9	1
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	Advances and Opportunities in Ore Mineralogy. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 233.	2.0	36
51	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
52	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
53	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
54	Short-Range Stacking Disorder in Mixed-Layer Compounds: A HAADF STEM Study of Bastnäs-Parisite Intergrowths. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 227.	2.0	25

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	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
58	Matrix-Matched Iron-Oxide Laser Ablation ICP-MS U ²³⁸ /Pb Geochronology Using Mixed Solution Standards. <i>Minerals (Basel, Switzerland)</i> , 2016, 6, 85.	2.0	34
59	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, 109.	2.0	10
60	Apatite at Olympic Dam, South Australia: A petrogenetic tool. <i>Lithos</i> , 2016, 262, 470-485.	1.4	52
61	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
62	Chemical zoning and lattice distortion in uraninite from Olympic Dam, South Australia. <i>American Mineralogist</i> , 2016, 101, 2351-2354.	1.9	21
63	Replacement of Uraninite By Bornite Via Coupled Dissolution-Reprecipitation: Evidence From Texture and Microstructure. <i>Canadian Mineralogist</i> , 2016, 54, 1369-1383.	1.0	16
64	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
65	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
66	Partitioning of trace elements in co-crystallized sphalerite-galena-chalcopyrite hydrothermal ores. <i>Ore Geology Reviews</i> , 2016, 77, 97-116.	2.7	166
67	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
68	Distribution and Substitution Mechanism of Ge in a Ge-(Fe)-Bearing Sphalerite. <i>Minerals (Basel, Switzerland)</i> , 2016, 6, 109.	2.0	10
69	Trace and minor elements in galena: A reconnaissance LA-ICP-MS study. <i>American Mineralogist</i> , 2015, 100, 548-569.	1.9	169
70	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
71	Graÿianite, MnBi ₂ S ₄ , a new mineral from the Baia Bihor skarn, Romania. <i>American Mineralogist</i> , 2014, 99, 1163-1170.	1.9	12
72	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

#	ARTICLE	IF	CITATIONS
73	Trace and minor elements in sphalerite from metamorphosed sulphide deposits. <i>Mineralogy and Petrology</i> , 2014, 108, 873-890.	1.1	101
74	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
75	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
76	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
77	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
78	Mineral chemistry of Rare Earth Element (REE) mineralization, Browns Ranges, Western Australia. <i>Lithos</i> , 2013, 172-173, 192-213.	1.4	40
79	Trace element heterogeneity in molybdenite fingerprints stages of mineralization. <i>Chemical Geology</i> , 2013, 347, 175-189.	3.3	62
80	Gold-telluride nanoparticles revealed in arsenic-free pyrite. <i>American Mineralogist</i> , 2012, 97, 1515-1518.	1.9	150
81	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
82	Multivariate Analysis of an LA-ICP-MS Trace Element Dataset for Pyrite. <i>Mathematical Geosciences</i> , 2012, 44, 823-842.	2.4	90
83	Determination of the oxidation state of Cu in substituted Cu-In-Fe-bearing sphalerite via \hat{A} -XANES spectroscopy. <i>American Mineralogist</i> , 2012, 97, 476-479.	1.9	114
84	The future of biotechnology for gold exploration and processing. <i>Minerals Engineering</i> , 2012, 32, 45-53.	4.3	30
85	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
86	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
87	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.	3.9	118
88	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
89	Nanogeoscience in ore systems research: Principles, methods, and applications. <i>Ore Geology Reviews</i> , 2011, 42, 1-5.	2.7	28
90	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

#	ARTICLE	IF	CITATIONS
91	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
92	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.	1.0	4
93	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
94	Chemical-structural modularity in the tetradymite group: A HRTEM study. <i>American Mineralogist</i> , 2009, 94, 517-534.	1.9	33
95	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
96	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
97	“Invisible gold”™ in bismuth chalcogenides. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1970-1999.	3.9	106
98	Trace and minor elements in sphalerite: A LA-ICPMS study. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4761-4791.	3.9	581
99	Another look at nagyáigite from the type locality, Scheckmăc Sămb, Romania: Replacement, chemical variation and petrogenetic implications. <i>Mineralogy and Petrology</i> , 2008, 93, 273-307.	1.1	23
100	Modeling of gold scavenging by bismuth melts coexisting with hydrothermal fluids. <i>Geology</i> , 2008, 36, 815.	4.4	139
101	COMPOSITIONAL DATA FOR Bi-Pb TELLUROSULFIDES. <i>Canadian Mineralogist</i> , 2007, 45, 417-435.	1.0	36
102	MINERALS OF THE SYSTEM Bi Te Se S RELATED TO THE TETRADYMITE ARCHETYPE: REVIEW OF CLASSIFICATION AND COMPOSITIONAL VARIATION. <i>Canadian Mineralogist</i> , 2007, 45, 665-708.	1.0	93
103	Tellurides from Sunrise Dam gold deposit, Yilgarn Craton, Western Australia: a new occurrence of nagyáigite. <i>Mineralogy and Petrology</i> , 2007, 91, 249-270.	1.1	34
104	Gold scavenged by bismuth melts: An example from Alpine shear-remobilizates in the HighŃ Massif, Romania. <i>Mineralogy and Petrology</i> , 2006, 87, 351-384.	1.1	91
105	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
106	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
107	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
108	Micron- to nano-scale intergrowths among members of the cuprobismutite series and padăraite: HRTEM and microanalytical evidence. <i>Mineralogical Magazine</i> , 2004, 68, 279-300.	1.4	16

#	ARTICLE	IF	CITATIONS
109	LAMELLAR MINERALS OF THE CUPROBISMUTITE SERIES AND RELATED PADERAITE: A NEW OCCURRENCE AND IMPLICATIONS. Canadian Mineralogist, 2003, 41, 441-456.	1.0	21
110	SOBOLEVSKITE, TAIMYRITE, AND Pt ₂ CuFe (TULAMEENITE?) IN COMPLEX MASSIVE TALNAKHITE ORE, NORIL'SK OREFIELD, RUSSIA. Canadian Mineralogist, 2002, 40, 329-340.	1.0	13
111	Regional setting and geochronology of the Late Cretaceous Banatitic Magmatic and Metallogenic Belt. Mineralium Deposita, 2002, 37, 541-567.	4.1	112
112	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.	1.4	37
113	Intergrowths of bismuth sulphosalts from the Ocna de Fier Fe-skarn deposit, Banat, Southwest Romania. European Journal of Mineralogy, 2000, 12, 899-917.	1.3	31