

Allan Pring

List of Publications by Year in descending order

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149
papers

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101384

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151
times ranked

4096
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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.	1.6	581
2	Mechanisms of gold biomineralization in the bacterium <i>Cupriavidus metallidurans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17757-17762.	3.3	283
3	Sulfosalt systematics: a review. Report of the sulfosalt sub-committee of the IMA Commission on Ore Mineralogy. <i>European Journal of Mineralogy</i> , 2008, 20, 7-62.	0.4	253
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.	1.7	227
5	Mechanism and kinetics of pseudomorphic mineral replacement reactions: A case study of the replacement of pentlandite by violarite. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1945-1969.	1.6	193
6	Nanoparticle factories: Biofilms hold the key to gold dispersion and nugget formation. <i>Geology</i> , 2010, 38, 843-846.	2.0	137
7	Speciation of aqueous tellurium(IV) in hydrothermal solutions and vapors, and the role of oxidized tellurium species in Te transport and gold deposition. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 120, 298-325.	1.6	117
8	Textural and compositional complexities resulting from coupled dissolution-precipitation reactions in geomaterials. <i>Earth-Science Reviews</i> , 2015, 150, 628-651.	4.0	115
9	Alunite supergroup: recommended nomenclature. <i>Mineralogical Magazine</i> , 2010, 74, 919-927.	0.6	112
10	"Invisible gold"™ in bismuth chalcogenides. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 1970-1999.	1.6	106
11	Focussed ion beam-transmission electron microscopy applications in ore mineralogy: Bridging micro- and nanoscale observations. <i>Ore Geology Reviews</i> , 2011, 42, 6-31.	1.1	105
12	Petrogenetic significance of Au-Bi-Te-S associations: The example of Maldon, Central Victorian gold province, Australia. <i>Lithos</i> , 2010, 116, 1-17.	0.6	97
13	Distribution and Substitution Mechanism of Ge in a Ge-(Fe)-Bearing Sphalerite. <i>Minerals (Basel)</i> , 2011, 1, 1-17.	0.8	90
14	A kinetic study of the exsolution of pentlandite (Ni, Fe) ₉ S ₈ from the monosulfide solid solution (Fe, Ni) ₉ S ₈ . <i>Journal of Mineralogical and Petrological Sciences</i> , 2001, 96, 67-78.	0.9	88
15	The origin of the color of pearls in iridescence from nano-composite structures of the nacre. <i>American Mineralogist</i> , 2004, 89, 1353-1358.	0.9	81
16	Platinum in Earth surface environments. <i>Earth-Science Reviews</i> , 2014, 131, 1-21.	4.0	80
17	Crystal chemistry of the crandallite, beudantite and alunite groups: a review and evaluation of the suitability as storage materials for toxic metals. <i>Journal of Mineralogical and Petrological Sciences</i> , 2001, 96, 67-78.	0.4	75
18	Replacement of pyrrhotite by pyrite and marcasite under hydrothermal conditions up to 220 °C: An experimental study of reaction textures and mechanisms. <i>American Mineralogist</i> , 2011, 96, 1878-1893.	0.9	71

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19	An experimental study of the mechanism of the replacement of magnetite by pyrite up to 300°C. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5610-5630.	1.6	69
20	Mechanism and kinetics of a mineral transformation under hydrothermal conditions: Calaverite to metallic gold. <i>American Mineralogist</i> , 2009, 94, 1541-1555.	0.9	64
21	Three-Dimensional Ordered Arrays of Zeolite Nanocrystals with Uniform Size and Orientation by a Pseudomorphic Coupled Dissolution-Reprecipitation Replacement Route. <i>Crystal Growth and Design</i> , 2009, 9, 4902-4906.	1.4	64
22	Novel Route To Synthesize Complex Metal Sulfides: Hydrothermal Coupled Dissolution-Reprecipitation Replacement Reactions. <i>Chemistry of Materials</i> , 2008, 20, 2809-2817.	3.2	63
23	Formation of As(II)-pyrite during experimental replacement of magnetite under hydrothermal conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 100, 1-10.	1.6	60
24	Probing ore deposits formation: New insights and challenges from synchrotron and neutron studies. <i>Radiation Physics and Chemistry</i> , 2010, 79, 151-161.	1.4	58
25	Transformation of pentlandite to violarite under mild hydrothermal conditions. <i>American Mineralogist</i> , 2006, 91, 706-709.	0.9	56
26	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.	0.9	55
27	Analysis of Gold(I/III)-Complexes by HPLC-ICP-MS Demonstrates Gold(III) Stability in Surface Waters. <i>Environmental Science & Technology</i> , 2014, 48, 5737-5744.	4.6	53
28	Mechanism and kinetics of hydrothermal replacement of magnetite by hematite. <i>Geoscience Frontiers</i> , 2019, 10, 29-41.	4.3	51
29	Dissolution-reprecipitation vs. solid-state diffusion: Mechanism of mineral transformations in sylvanite, (AuAg) ₂ Te ₄ , under hydrothermal conditions. <i>American Mineralogist</i> , 2013, 98, 19-32.	0.9	49
30	Effect of the cyanide-producing bacterium <i>Chromobacterium violaceum</i> on ultraflat Au surfaces. <i>Chemical Geology</i> , 2009, 265, 313-320.	1.4	48
31	Synthesis, Structure, and Reactivity of Novel Lanthanum Tungstates. <i>Journal of Solid State Chemistry</i> , 1994, 111, 128-133.	1.4	46
32	Examination of the proposition that Cu(II) can be required for charge neutrality in a sulfide lattice - Cu in tetrahedrites and sphalerite. <i>Canadian Journal of Chemistry</i> , 2007, 85, 767-781.	0.6	44
33	The replacement of chalcopyrite by bornite under hydrothermal conditions. <i>American Mineralogist</i> , 2014, 99, 2389-2397.	0.9	44
34	Hinsdalite and plumbogummite, their atomic arrangements and disordered lead sites. <i>European Journal of Mineralogy</i> , 1999, 11, 513-520.	0.4	43
35	A low-temperature kinetic study of the exsolution of pentlandite from the monosulfide solid solution using a refined Avrami method. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 415-425.	1.6	42
36	Experimental study of the formation of chalcopyrite and bornite via the sulfidation of hematite: Mineral replacements with a large volume increase. <i>American Mineralogist</i> , 2014, 99, 343-354.	0.9	39

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37	A Review of the Classification of Opal with Reference to Recent New Localities. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.8	37
38	Electronic environments in carrollite, CuCo ₂ S ₄ , determined by soft X-ray photoelectron and absorption spectroscopy. Geochimica Et Cosmochimica Acta, 2009, 73, 4452-4467.	1.6	35
39	The role of Te(IV) and Bi(III) chloride complexes in hydrothermal mass transfer: An X-ray absorption spectroscopic study. Chemical Geology, 2016, 425, 37-51.	1.4	35
40	Chemical and textural interpretation of late-stage coffinite and brannerite from the Olympic Dam IOCG-Ag-U deposit. Mineralogical Magazine, 2017, 81, 1323-1366.	0.6	34
41	The crystal chemistry of Al-bearing goethites: an infrared spectroscopic study. Mineralogical Magazine, 2008, 72, 1043-1056.	0.6	33
42	Chemical-structural modularity in the tetradymite group: A HRTEM study. American Mineralogist, 2009, 94, 517-534.	0.9	33
43	Ore Petrography Using Megapixel X-Ray Imaging: Rapid Insights into Element Distribution and Mobilization in Complex Pt and U-Ge-Cu Ores. Economic Geology, 2016, 111, 487-501.	1.8	32
44	The crystal chemistry of Fe-bearing sphalerites: An infrared spectroscopic study. American Mineralogist, 2008, 93, 591-597.	0.9	31
45	Paulscherrite from the Number 2 Workings, Mount Painter Inlier, Northern Flinders Ranges, South Australia: "Dehydrated schoepite" is a mineral after all. American Mineralogist, 2011, 96, 229-240.	0.9	30
46	A Novel Route for the Synthesis of Mesoporous and Low-Thermal Stability Materials by Coupled Dissolution-Reprecipitation Reactions: Mimicking Hydrothermal Mineral Formation. Chimia, 2010, 64, 693.	0.3	26
47	Exsolution of chalcopyrite from bornite-digenite solid solution: an example of a fluid-driven back-replacement reaction. Mineralium Deposita, 2018, 53, 903-908.	1.7	26
48	THE FORMATION OF PRECIOUS OPAL: CLUES FROM THE OPALIZATION OF BONE. Canadian Mineralogist, 2008, 46, 139-149.	0.3	25
49	The kinetics of the $\hat{1}\pm \hat{\alpha} \hat{1}^2$ transition in synthetic nickel monosulfide. American Mineralogist, 2006, 91, 171-181.	0.9	24
50	XAS evidence for the stability of polytellurides in hydrothermal fluids up to 599 Å, 800 bar. American Mineralogist, 2012, 97, 1519-1522.	0.9	24
51	Annealing of synthetic hammarite, Cu ₂ Pb ₂ Bi ₄ S ₉ , and the nature of cation-ordering processes in the bismuthinite-aikinite series. American Mineralogist, 1995, 80, 1166-1173.	0.9	23
52	Pseudojohannite from Jachymov, Musonoi, and La Creusaz: A new member of the zippeite-group. American Mineralogist, 2006, 91, 929-936.	0.9	23
53	A neutron powder diffraction study of Fe and Ni distributions in synthetic pentlandite and violarite using ⁶⁰ Ni isotope. American Mineralogist, 2006, 91, 1442-1447.	0.9	23
54	Another look at nagyárgite from the type locality, Scheckmăcș, România, Romania: Replacement, chemical variation and petrogenetic implications. Mineralogy and Petrology, 2008, 93, 273-307.	0.4	23

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55	Evaluation of relative comparator and k ₀ -NAA for characterization of Aboriginal Australian ochre. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 291, 19-24.	0.7	23
56	Fluid-Enhanced Coarsening of Mineral Microstructures in Hydrothermally Synthesized Bornite–Digenite Solid Solution. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 465-474.	1.2	23
57	The crystal chemistry of duftite, PbCuAsO ₄ (OH) and the \hat{I}^2 -duftite problem. <i>Mineralogical Magazine</i> , 1998, 62, 121-130.	0.6	22
58	Understanding the mechanism and kinetics of pentlandite oxidation in extractive pyrometallurgy of nickel. <i>Minerals Engineering</i> , 2012, 27-28, 11-19.	1.8	22
59	Uranium scavenging during mineral replacement reactions. <i>American Mineralogist</i> , 2015, 100, 1728-1735.	0.9	22
60	The role of pyrrhotite (Fe ₇ S ₈) and the sample texture in the hydrothermal transformation of pentlandite ((Fe,Ni) ₉ S ₈) to violarite ((Ni,Fe) ₃ S ₄). <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 92, 257-266.	0.6	21
61	A novel pre-treatment of calaverite by hydrothermal mineral replacement reactions. <i>Minerals Engineering</i> , 2010, 23, 451-453.	1.8	21
62	Barlowite, Cu ₄ FBr(OH) ₆ , a new mineral isostructural with claringbullite: description and crystal structure. <i>Mineralogical Magazine</i> , 2014, 78, 1755-1762.	0.6	21
63	Chemical zoning and lattice distortion in uraninite from Olympic Dam, South Australia. <i>American Mineralogist</i> , 2016, 101, 2351-2354.	0.9	21
64	Microporous gold: Comparison of textures from Nature and experiments. <i>American Mineralogist</i> , 2014, 99, 1171-1174.	0.9	20
65	Coupled Substitutions of Minor and Trace Elements in Co-Existing Sphalerite and Wurtzite. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 147.	0.8	19
66	Phase evolution and kinetics of the oxidation of monosulfide solid solution under isothermal conditions. <i>Thermochimica Acta</i> , 2005, 427, 13-25.	1.2	18
67	Characterization of porosity in sulfide ore minerals: A USANS/SANS study. <i>American Mineralogist</i> , 2014, 99, 2398-2404.	0.9	18
68	Effect of manganese oxide minerals and complexes on gold mobilization and speciation. <i>Chemical Geology</i> , 2015, 407-408, 10-20.	1.4	18
69	A LA-ICP-MS sulphide calibration standard based on a chalcogenide glass. <i>Mineralogical Magazine</i> , 2011, 75, 279-287.	0.6	17
70	A multidisciplinary investigation of a rock coating at Ngaut Ngaut (Devon Downs), South Australia. <i>Australian Archaeology</i> , 2015, 80, 32-39.	0.3	16
71	Replacement of Uraninite By Bornite Via Coupled Dissolution-Reprecipitation: Evidence From Texture and Microstructure. <i>Canadian Mineralogist</i> , 2016, 54, 1369-1383.	0.3	16
72	Mineral Transformations in Gold–(Silver) Tellurides in the Presence of Fluids: Nature and Experiment. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 167.	0.8	16

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73	Micron- to nano-scale intergrowths among members of the cuprobismutite series and padāraite: HRTEM and microanalytical evidence. <i>Mineralogical Magazine</i> , 2004, 68, 279-300.	0.6	16
74	The magnetic structure of bernalite, Fe(OH) ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 152, 33-39.	1.0	15
75	Decrespignyite-(Y), a new copper yttrium rare earth carbonate chloride hydrate from Paratoo, South Australia. <i>Mineralogical Magazine</i> , 2002, 66, 181-188.	0.6	15
76	Sulfur electronic environments in $\hat{1}\pm$ -NiS and $\hat{1}^2$ -NiS: examination of the relationship between coordination number and core electron binding energies. <i>Physics and Chemistry of Minerals</i> , 2006, 33, 98-105.	0.3	15
77	Nordgauite, MnAl ₂ (PO ₄) ₂ (F,OH) ₂ ·5H ₂ O, a new mineral from the Hagendorf-SÄ¼d pegmatite, Bavaria, Germany: description and crystal structure. <i>Mineralogical Magazine</i> , 2011, 75, 269-278.	0.6	15
78	Minerals of the Wooltana Cave, Flinders Ranges, South Australia. <i>Transactions of the Royal Society of South Australia</i> , 2014, 138, 214-230.	0.1	15
79	The Carbonatation of Anhydrite: Kinetics and Reaction Pathways. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 89-100.	1.2	15
80	Description and crystal structure of a new mineral " plimerite, ZnFe ₃₊₄ (PO ₄) ₃ (OH) ₅ " the Zn-analogue of rockbridgeite and frondelite, from Broken Hill, New South Wales, Australia. <i>Mineralogical Magazine</i> , 2009, 73, 131-148.	0.6	14
81	Mechanism of mineral transformations in krennerite, Au ₃ AgTe ₈ , under hydrothermal conditions. <i>American Mineralogist</i> , 2013, 98, 2086-2095.	0.9	14
82	Effect of cation vacancy and crystal superstructure on thermodynamics of iron monosulfides. <i>Journal of Sulfur Chemistry</i> , 2006, 27, 271-282.	1.0	13
83	Crystal chemistry of mimetite, Pb ₁₀ (AsO ₄) ₆ Cl _{1.48} O _{0.26} , and finnemanite, Pb ₁₀ (AsO ₄) ₃ (OH) ₆ Cl ₂ . <i>Acta Crystallographica Section B: Structural Science</i> , 2008, 64, 34-41.	1.8	13
84	Kapundaite, (Na,Ca) ₂ Fe ₄₃₊ (PO ₄) ₄ (OH) ₃ ·5H ₂ O, a new phosphate species from Toms quarry, South Australia: Description and structural relationship to melonjosephite. <i>American Mineralogist</i> , 2010, 95, 754-760.	0.9	13
85	Veatchite: Structural relationships of the three polytypes. <i>American Mineralogist</i> , 2012, 97, 489-495.	0.9	13
86	Novel application of X-ray fluorescence microscopy (XFM) for the non-destructive micro-elemental analysis of natural mineral pigments on Aboriginal Australian objects. <i>Analyst, The</i> , 2016, 141, 3657-3667.	1.7	13
87	The mechanism and kinetics of the transformation from marcasite to pyrite: in situ and ex situ experiments and geological implications. <i>Contributions To Mineralogy and Petrology</i> , 2020, 175, 1.	1.2	13
88	Carbonisation of a polymer made from sulfur and canola oil. <i>Chemical Communications</i> , 2021, 57, 6296-6299.	2.2	13
89	Meurigite, a new fibrous iron phosphate resembling kidwellite. <i>Mineralogical Magazine</i> , 1996, 60, 787-793.	0.6	13
90	A thermosyphon-driven hydrothermal flow-through cell for in situ and time-resolved neutron diffraction studies. <i>Journal of Applied Crystallography</i> , 2010, 43, 511-519.	1.9	12

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91	THE NETWORK OF HYDROGEN BONDING IN KINGITE, AS REVEALED BY A NEUTRON-DIFFRACTION INVESTIGATION OF ITS DEUTERATED ANALOGUE, $\text{Al}_3(\text{PO}_4)_2\text{F}_3 \cdot 7\text{D}_2\text{O}$. <i>Canadian Mineralogist</i> , 2004, 42, 135-141.	0.3	12
92	Towards the identification of plant and animal binders on Australian stone knives. <i>Talanta</i> , 2010, 82, 745-750.	2.9	11
93	The Combined Effects of Galvanic Interaction and Silicate Addition on the Oxidative Dissolution of Pyrite: Implications for Acid and Metalliferous Drainage Control. <i>Environmental Science & Technology</i> , 2019, 53, 11922-11931.	4.6	11
94	Coupling between mineral replacement reactions and co-precipitation of trace elements: An example from the giant Olympic Dam deposit. <i>Ore Geology Reviews</i> , 2020, 117, 103267.	1.1	11
95	The crystal structure of carminite: refinement and bond valence calculations. <i>Mineralogical Magazine</i> , 1996, 60, 805-811.	0.6	11
96	A flow-through hydrothermal cell for in situ neutron diffraction studies of phase transformations. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 942-945.	1.3	10
97	Oxidative Dissolution of Sulfide Minerals in Single and Mixed Sulfide Systems under Simulated Acid and Metalliferous Drainage Conditions. <i>Environmental Science & Technology</i> , 2021, 55, 2369-2380.	4.6	10
98	Effects of arsenic on the distribution and mode of occurrence of gold during fluid-pyrite interaction: A case study of pyrite from the Qiucun gold deposit, China. <i>American Mineralogist</i> , 2022, 107, 914-929.	0.9	10
99	A model for the structure of the hydrated aluminum phosphate, kingite determined by ab initio powder diffraction methods. <i>American Mineralogist</i> , 2003, 88, 235-239.	0.9	9
100	Autocorrelation infrared analysis of mineralogical samples: The influence of user controllable experimental parameters. <i>Analytica Chimica Acta</i> , 2007, 590, 145-150.	2.6	9
101	Coulsellite, $\text{CaNa}_3\text{AlMg}_3\text{F}_{14}$, a rhombohedral pyrochlore with 1:3 ordering in both A and B sites, from the Cleveland Mine, Tasmania, Australia. <i>American Mineralogist</i> , 2010, 95, 736-740.	0.9	9
102	HyLogger, a near-infrared spectral analysis: a non-destructive mineral analysis of Aboriginal Australian objects. <i>Analytical Methods</i> , 2014, 6, 1309-1316.	1.3	9
103	Characterisation of coarse composite sphalerite particles with respect to flotation. <i>Minerals Engineering</i> , 2015, 71, 105-112.	1.8	9
104	Understanding the mobility and retention of uranium and its daughter products. <i>Journal of Hazardous Materials</i> , 2021, 410, 124553.	6.5	9
105	Wycheproofite: a new hydrated sodium aluminium zirconium phosphate from Wycheproof, Victoria, Australia, and a new occurrence of kosnarite. <i>Mineralogical Magazine</i> , 1994, 58, 635-639.	0.6	8
106	A convenient hydrothermal route for the synthesis of $\text{M}_x\text{VOPO}_4 \cdot y\text{H}_2\text{O}$ (M=Na and K). <i>Solid State Ionics</i> , 1998, 107, 53-57.	1.3	8
107	Bamfordite, $\text{Fe}(\text{super } 3+) \text{Mo}_2\text{O}_6(\text{OH})_3 \cdot \text{H}_2\text{O}$, a new hydrated iron molybdenum oxyhydroxide from Queensland, Australia; description and crystal chemistry. <i>American Mineralogist</i> , 1998, 83, 172-177.	0.9	8
108	X-ray diffraction evidence for a monoclinic form of stibnite, Sb_2S_3 , below 290 K. <i>American Mineralogist</i> , 2004, 89, 1022-1025.	0.9	8

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109	The mechanism and kinetics of \hat{A} -NiS oxidation in the temperature range 670-700 \hat{A} C. <i>American Mineralogist</i> , 2006, 91, 537-543.	0.9	8
110	Microelemental characterisation of Aboriginal Australian natural Fe oxide pigments. <i>Analytical Methods</i> , 2015, 7, 7363-7380.	1.3	8
111	Synchronous solid-state diffusion, dissolution-reprecipitation, and recrystallization leading to isotopic resetting: insights from chalcopyrite replacement by copper sulfides. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 331, 48-68.	1.6	8
112	\hat{a} Soft \hat{a} ™ phonon modes, structured diffuse scattering and the crystal chemistry of Fe-bearing sphalerites. <i>Journal of Solid State Chemistry</i> , 2005, 178, 655-660.	1.4	7
113	Birchite, a new mineral from Broken Hill, New South Wales, Australia: Description and structure refinement. <i>American Mineralogist</i> , 2008, 93, 910-917.	0.9	7
114	Daliranite, $PbHgAs_2S_6$, a new sulphosalt from the Zarshouran Au-As deposit, Takab region, Iran. <i>Mineralogical Magazine</i> , 2009, 73, 871-881.	0.6	7
115	A simple colorimetric FIA method for the determination of pyrite oxidation rates. <i>Talanta</i> , 2010, 82, 1809-1813.	2.9	7
116	A large volume cell for in situ neutron diffraction studies of hydrothermal crystallizations. <i>Review of Scientific Instruments</i> , 2010, 81, 105107.	0.6	7
117	Paratooite-(La), a new lanthanum-dominant rare-earth copper carbonate from Paratoo, South Australia. <i>Mineralogical Magazine</i> , 2006, 70, 131-138.	0.6	6
118	Description and crystal structure of nyholmite, a new mineral related to hureaulite, from Broken Hill, New South Wales, Australia. <i>Mineralogical Magazine</i> , 2009, 73, 723-735.	0.6	6
119	Single-pass flow-through reaction cell for high-temperature and high-pressure in situ neutron diffraction studies of hydrothermal crystallization processes. <i>Journal of Applied Crystallography</i> , 2012, 45, 166-173.	1.9	6
120	Townendite, $Na_8ZrSi_6O_{18}$, a new uranium-bearing lovozerite group mineral from the Ilimaussaq alkaline complex, Southern Greenland. <i>American Mineralogist</i> , 2010, 95, 646-650.	0.9	5
121	Hylbrownite, $Na_3MgP_3O_{10} \cdot 12H_2O$, a new triphosphate mineral from the Dome Rock Mine, South Australia: description and crystal structure. <i>Mineralogical Magazine</i> , 2013, 77, 385-398.	0.6	5
122	Putnisite, $SrCa_4Cr_8^{3+}(CO_3)_8SO_4(OH)_{16} \cdot 25H_2O$, a new mineral from Western Australia: description and crystal structure. <i>Mineralogical Magazine</i> , 2014, 78, 131-144.	0.6	5
123	Kummerite, $Mn_2+Fe_3+Al(PO_4)_2(OH)_2 \cdot 8H_2O$, a new laueite-group mineral from the Hagendorf S \hat{A} ¼d pegmatite, Bavaria, with ordering of Al and Fe ³⁺ . <i>Mineralogical Magazine</i> , 2016, 80, 1243-1254.	0.6	5
124	Engravings and rock coatings at Pudjinuk Rockshelter No. 2, South Australia. <i>Journal of Archaeological Science: Reports</i> , 2018, 18, 272-284.	0.2	5
125	Atomic Force Microscopy and Raman Microspectroscopy Investigations of the Leaching of Chalcopyrite (112) Surface. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 485.	0.8	5
126	Silicon-Oxygen Region Infrared and Raman Analysis of Opals: The Effect of Sample Preparation and Measurement Type. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 173.	0.8	4

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127	29Si Solid-State NMR Analysis of Opal-AG, Opal-AN and Opal-CT: Single Pulse Spectroscopy and Spin-Lattice T1 Relaxometry. Minerals (Basel, Switzerland), 2022, 12, 323.	0.8	3
128	The crystal structure of ethyl-Z-3-amino-2-benzoyl-2-butenolate and measurement of the barrier to E,Z-isomerization. Canadian Journal of Chemistry, 1980, 58, 1821-1828.	0.6	2
129	Guest Editorial: The Place of Descriptive Mineralogy in Modern Science. Rocks and Minerals, 1996, 71, 158-162.	0.0	2
130	Syntheses and Crystallization of Mineralogically Relevant Chalcogenide Glasses. Journal of the American Ceramic Society, 2010, 93, 2434-2437.	1.9	2
131	The crystal structure of gatehouseite. Mineralogical Magazine, 2011, 75, 2823-2832.	0.6	2
132	Crystal chemistry of arsenian pyrites: A Raman spectroscopic study. American Mineralogist, 2022, 107, 274-281.	0.9	2
133	Phase Analysis of Australian Uranium Ore Concentrates Determined by Variable Temperature Synchrotron Powder X-ray Diffraction. Inorganic Chemistry, 2021, 60, 11569-11578.	1.9	2
134	Radionuclides and stable elements in vegetation in Australian arid environments: Concentration ratios and seasonal variation. Journal of Environmental Radioactivity, 2021, 234, 106627.	0.9	2
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