Sytle M Antao

List of Publications by Year
in descending order

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44	1,498	361413 20	315739 38
papers	citations	h-index	g-index

44	44	44	1483
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural Variations across Wolframite Solid Solutions, (Fe,Mn)WO4. Minerals (Basel, Switzerland), 2022, 12, 42.	2.0	2
2	Apatite, Ca10(PO4)6(OH,F,Cl)2: Structural Variations, Natural Solid Solutions, Intergrowths, and Zoning. Minerals (Basel, Switzerland), 2022, 12, 527.	2.0	3
3	Linear Structural Trends and Multi-Phase Intergrowths in Helvine-Group Minerals, (Zn,Fe,Mn)8[Be6Si6O24]S2. Minerals (Basel, Switzerland), 2021, 11, 325.	2.0	4
4	Structural variations across the nepheline (NaAlSiO4)â€“kalsilite (KAlSiO4) series. American Mineralogist, 2021, 106, 801-811.	1.9	7
5	Crystal Chemistry of Six Grossular Garnet Samples from Different Well-Known Localities. Minerals (Basel, Switzerland), 2021, 11, 767.	2.0	4
6	A Possible Radiation-Induced Transition from Monazite-(Ce) to Xenotime-(Y). Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	2.0	3
7	Crystal Structure of an Anisotropic Pyrope Garnet That Contains Two Cubic Phases. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Over	2.0	3
8	Crystal Structure Refinements of Four Monazite Samples from Different Localities. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.0	8
9	Crystal Chemistry and Structural Variations for Zircon Samples from Various Localities. Minerals (Basel, Switzerland), 2020, 10, 947.	2.0	9
10	Crystal Chemistry of Birefringent Uvarovite Solid Solutions. Minerals (Basel, Switzerland), 2019, 9, 395.	2.0	8
11	Structural Trends and Solid-Solutions Based on the Crystal Chemistry of Two Hausmannite (Mn3O4) Samples from the Kalahari Manganese Field. Minerals (Basel, Switzerland), 2019, 9, 343.	2.0	15
12	Crystal Chemistry of Three Volcanic K-rich Nepheline Samples From Oldoinyo Lengai, Tanzania and Mount Nyiragongo, Eastern Congo, Africa. Frontiers in Earth Science, 2018, 6, .	1.8	8
13	Crystal structure refinements of tetragonal (OH,F)-rich spessartine and henritermierite garnets. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 104-114.	1.1	7
14	Growth Oscillatory Zoning in Erythrite, Ideally Co3(AsO4)2Â·8H2O: Structural Variations in Vivianite-Group Minerals. Minerals (Basel, Switzerland), 2017, 7, 136.	2.0	10
15	Two cubic phases in kimzeyite garnet from the type locality Magnet Cove, Arkansas. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2016, 72, 846-854.	1.1	6
16	Optical anisotropy, zoning, and coexistence of two cubic phases in andradites from Quebec and New York. Contributions To Mineralogy and Petrology, 2015, 169, 1.	3.1	28
17	Crystal chemistry of birefringent hydrogrossular. Physics and Chemistry of Minerals, 2015, 42, 455-474.	0.8	12
18	Ti-RICH ANDRADITES: CHEMISTRY, STRUCTURE, MULTI-PHASES, OPTICAL ANISOTROPY, AND OSCILLATORY ZONING. Canadian Mineralogist, 2015, 53, 133-158.	1.0	21

#	Article	IF	Citations
19	Crystal chemistry of birefringent spessartine. Powder Diffraction, 2014, 29, 233-240.	0.2	15
20	Crystal structure of morimotoite from Ice River, Canada. Powder Diffraction, 2014, 29, 325-330.	0.2	15
21	Schorlomite and morimotoite: what's in a name?. Powder Diffraction, 2014, 29, 346-351.	0.2	8
22	Crystal structure of a birefringent andraditeâ€“grossular from Crowsnest Pass, Alberta, Canada. Powder Diffraction, 2014, 29, 20-27.	0.2	19
23	Three cubic phases intergrown in a birefringent andradite-grossular garnet and their implications. Physics and Chemistry of Minerals, 2013, 40, 705-716.	0.8	30
24	Origin of birefringence in andradite from Arizona, Madagascar, and Iran. Physics and Chemistry of Minerals, 2013, 40, 575-586.	0.8	29
25	IS NEAR-ENDMEMBER BIREFRINGENT GROSSULAR NON-CUBIC? NEW EVIDENCE FROM SYNCHROTRON DIFFRACTION. Canadian Mineralogist, 2013, 51, 771-784.	1.0	17
26	The mystery of birefringent garnet: is the symmetry lower than cubic?. Powder Diffraction, 2013, 28, 281-288.	0.2	29
27	Elevated radionuclide concentrations in heavy mineral-rich beach sands in the Cox's Bazar region, Bangladesh and related possible radiological effects. Isotopes in Environmental and Health Studies, 2012, 48, 512-525.	1.0	28
28	Structural trends for celestite (SrSO4), anglesite (PbSO4), and barite (BaSO4): Confirmation of expected variations within the SO4 groups. American Mineralogist, 2012, 97, 661-665.	1.9	33
29	Crystal-structure analysis of four mineral samples of anhydrite, CaSO₄, using synchrotron high-resolution powder X-ray diffraction data. Powder Diffraction, 2011, 26, 326-330.	0.2	22
30	The $$R{overline{3}} c o R{overline{3}} m$$ transition in nitratine, NaNO3, and implications for calcite, CaCO3. Physics and Chemistry of Minerals, 2008, 35, 545-557.	0.8	23
31	A twelve-analyzer detector system for high-resolution powder diffraction. Journal of Synchrotron Radiation, 2008, 15, 427-432.	2.4	287
32	A dedicated powder diffraction beamline at the Advanced Photon Source: Commissioning and early operational results. Review of Scientific Instruments, 2008, 79, 085105.	1.3	325
33	Studies of local and intermediate range structure in crystalline and amorphous materials at high pressure using high-energy X-rays. Powder Diffraction, 2007, 22, 108-112.	0.2	28
34	High-temperature elasticity of magnesioferrite spinel. Physics and Chemistry of Minerals, 2007, 34, 345-350.	0.8	13
35	Cancrinite: Crystal structure, phase transitions, and dehydration behavior with temperature. American Mineralogist, 2006, 91, 1117-1124.	1.9	54
36	Quantitative high-pressure pair distribution function analysis. Journal of Synchrotron Radiation, 2005, 12, 554-559.	2.4	28

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37	Quantitative high-pressure pair distribution function analysis of nanocrystalline gold. Applied Physics Letters, 2005, 86, 061910.	3.3	29
38	Effects of high pressure and high temperature on cation ordering in magnesioferrite, MgFe2O4, using in situ synchrotron X-ray powder diffraction up to 1430 K and 6 GPa. American Mineralogist, 2005, 90, 1500-1505.	1.9	24
39	Diffraction studies of orderâ€“disorder at high pressures and temperatures. Powder Diffraction, 2005, 20, 80-86.	0.2	11
40	Evidence for monazite-, barite-, and AgMnO4(distorted barite)-type structures of CaSO4at high pressure and temperature. American Mineralogist, 2005, 90, 22-27.	1.9	47
41	Cation ordering in magnesioferrite, MgFe2O4, to 982 Â°C using in situ synchrotron X-ray powder diffraction. American Mineralogist, 2005, 90, 219-228.	1.9	74
42	Tugtupite: High-temperature structures obtained from in situ synchrotron diffraction and Rietveld refinements. American Mineralogist, 2004, 89, 492-497.	1.9	10
43	Cation disorder in dolomite, CaMg(CO₃)₂, and its influence on the aragonite + magnesite â†” dolomite reaction boundary. American Mineralogist, 2004, 89, 1142-1147.	1.9	76
44	Sodalite: High-temperature structures obtained from synchrotron radiation and Rietveld refinements. American Mineralogist, 2004, 89, 359-364.	1.9	66