Sytle M Antao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5215074/publications.pdf

Version: 2024-02-01

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	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
2	A twelve-analyzer detector system for high-resolution powder diffraction. Journal of Synchrotron Radiation, 2008, 15, 427-432.	2.4	287
3	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
4	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
5	Sodalite: High-temperature structures obtained from synchrotron radiation and Rietveld refinements. American Mineralogist, 2004, 89, 359-364.	1.9	66
6	Cancrinite: Crystal structure, phase transitions, and dehydration behavior with temperature. American Mineralogist, 2006, 91, 1117-1124.	1.9	54
7	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
8	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
9	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
10	Quantitative high-pressure pair distribution function analysis of nanocrystalline gold. Applied Physics Letters, 2005, 86, 061910.	3.3	29
11	Origin of birefringence in andradite from Arizona, Madagascar, and Iran. Physics and Chemistry of Minerals, 2013, 40, 575-586.	0.8	29
12	The mystery of birefringent garnet: is the symmetry lower than cubic?. Powder Diffraction, 2013, 28, 281-288.	0.2	29
13	Quantitative high-pressure pair distribution function analysis. Journal of Synchrotron Radiation, 2005, 12, 554-559.	2.4	28
14	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
15	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
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	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
18	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

#	Article	IF	Citations
19	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
20	Ti-RICH ANDRADITES: CHEMISTRY, STRUCTURE, MULTI-PHASES, OPTICAL ANISOTROPY, AND OSCILLATORY ZONING. Canadian Mineralogist, 2015, 53, 133-158.	1.0	21
21	Crystal structure of a birefringent andraditeâ€“grossular from Crowsnest Pass, Alberta, Canada. Powder Diffraction, 2014, 29, 20-27.	0.2	19
22	IS NEAR-ENDMEMBER BIREFRINGENT GROSSULAR NON-CUBIC? NEW EVIDENCE FROM SYNCHROTRON DIFFRACTION. Canadian Mineralogist, 2013, 51, 771-784.	1.0	17
23	Crystal chemistry of birefringent spessartine. Powder Diffraction, 2014, 29, 233-240.	0.2	15
24	Crystal structure of morimotoite from Ice River, Canada. Powder Diffraction, 2014, 29, 325-330.	0.2	15
25	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
26	High-temperature elasticity of magnesioferrite spinel. Physics and Chemistry of Minerals, 2007, 34, 345-350.	0.8	13
27	Crystal chemistry of birefringent hydrogrossular. Physics and Chemistry of Minerals, 2015, 42, 455-474.	0.8	12
28	Diffraction studies of orderâ€“disorder at high pressures and temperatures. Powder Diffraction, 2005, 20, 80-86.	0.2	11
29	Tugtupite: High-temperature structures obtained from in situ synchrotron diffraction and Rietveld refinements. American Mineralogist, 2004, 89, 492-497.	1.9	10
30	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
31	Crystal Chemistry and Structural Variations for Zircon Samples from Various Localities. Minerals (Basel, Switzerland), 2020, 10, 947.	2.0	9
32	Schorlomite and morimotoite: what's in a name?. Powder Diffraction, 2014, 29, 346-351.	0.2	8
33	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
34	Crystal Chemistry of Birefringent Uvarovite Solid Solutions. Minerals (Basel, Switzerland), 2019, 9, 395.	2.0	8
35	Crystal Structure Refinements of Four Monazite Samples from Different Localities. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock	2.0	8
36	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

#	Article	IF	Citations
37	Structural variations across the nepheline (NaAlSiO4)â€“kalsilite (KAlSiO4) series. American Mineralogist, 2021, 106, 801-811.	1.9	7
38	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
39	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
40	Crystal Chemistry of Six Grossular Garnet Samples from Different Well-Known Localities. Minerals (Basel, Switzerland), 2021, 11, 767.	2.0	4
41	A Possible Radiation-Induced Transition from Monazite-(Ce) to Xenotime-(Y). Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.0	3
42	Crystal Structure of an Anisotropic Pyrope Garnet That Contains Two Cubic Phases. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.0	3
43	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
44	Structural Variations across Wolframite Solid Solutions, (Fe,Mn)WO4. Minerals (Basel, Switzerland), 2022, 12, 42.	2.0	2