

Thao T Tran

List of Publications by Year in descending order

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2,839
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236833

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168321

53
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all docs

77
docs citations

77
times ranked

2595
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemistry of Quantum Spin Liquids. Chemical Reviews, 2021, 121, 2898-2934.	23.0	89
2	Potential Skyrmion Host $\text{Fe}(\text{IO})_3$: Connecting Stereoactive Lone-Pair Electron Effects to the Dzyaloshinskii-Moriya Interaction. Chemistry of Materials, 2021, 33, 4661-4671.	3.2	8
3	Twisting of 2D Kagomé Sheets in Layered Intermetallics. ACS Central Science, 2021, 7, 1381-1390.	5.3	14
4	Spin and Orbital Effects on Asymmetric Exchange Interaction in Polar Magnets: $\text{M}(\text{IO})_3$ (M = Cu and Mn). Inorganic Chemistry, 2021, 60, 16544-16557.	1.9	7
5	Study of Integer Spin $S = 1$ in the Polar Magnet $\text{Ni}(\text{IO})_2$. Molecules, 2021, 26, 7210.	1.7	5
6	Spinon excitations in the quasi-one-dimensional chain compound CuS_2 . Physical Review B, 2020, 101, .	1.1	14
7	Laser-Enhanced Single Crystal Growth of Non-Symmorphic Materials: Applications to an Eight-Fold Fermion Candidate. Chemistry of Materials, 2020, 32, 5827-5834.	3.2	17
8	An Electronically Driven Improper Ferroelectric: Tungsten Bronzes as Microstructural Analogs for the Hexagonal Manganites. Advanced Materials, 2019, 31, 1903620.	11.1	10
9	Nonpolar-to-Polar Trimerization Transitions in the $S = 1$ Kagomé Magnet $\text{Na}_2\text{Ti}_3\text{Cl}_8$. Inorganic Chemistry, 2019, 58, 11941-11948.	1.9	14
10	Improper Ferroelectricity: An Electronically Driven Improper Ferroelectric: Tungsten Bronzes as Microstructural Analogs for the Hexagonal Manganites (Adv. Mater. 40/2019). Advanced Materials, 2019, 31, 1970287.	11.1	0
11	$(\text{Cs}_x\text{X})\text{Cu}_5\text{O}_2(\text{PO}_4)_2$ ($\text{X} = \text{Cl, Br, I}$): A Family of Cu^{2+} $S = 1$ Compounds with Capped-Kagomé Networks Composed of OCu_4 Units. Inorganic Chemistry, 2019, 58, 4328-4336.	1.9	25
12	Low temperature synthesis route and structural characterization of $(\text{Bi}_{0.5}\text{A}_{0.5})(\text{Sc}_{0.5}\text{Nb}_{0.5})\text{O}_3$ ($\text{A} = \text{Tj, Bi, Q, O, O, 0, 4, r, g, B, T, O, v, e, r}$)		
13	High pressure synthesis and magnetic properties of corundum-type $\text{Ga}_{1-x}\text{Al}_x\text{FeO}_3$ ($x = 0, 0.25, 0.5$). Journal of Solid State Chemistry, 2018, 265, 79-84.	1.4	2
14	Chemically controlled crystal growth of $(\text{CH}_3\text{NH}_3)_2\text{AgInBr}_6$. CrystEngComm, 2018, 20, 5929-5934.	1.3	20
15	Single-crystal growth of $\text{Cu}_4\text{S}_2\text{O}_7$ and universal behavior in quantum spin liquid candidates synthetic barlowite and herbertsmithite.	0.9	31
16	Beryllium-Free $\text{Rb}_2\text{Al}_2\text{B}_2\text{O}_7$ as a Possible Deep-Ultraviolet Nonlinear Optical Material Replacement for $\text{KBe}_2\text{BO}_3\text{F}_2$. Angewandte Chemie - International Edition, 2017, 56, 2969-2973.	7.2	150
17	Beryllium-Free $\text{Rb}_2\text{Al}_2\text{B}_2\text{O}_7$ as a Possible Deep-Ultraviolet Nonlinear Optical Material Replacement for $\text{KBe}_2\text{BO}_3\text{F}_2$. Angewandte Chemie, 2017, 129, 3015-3019.	1.6	72
18	Crystal Growth and Structure Analysis of $\text{Ce}_{18}\text{W}_{10}\text{O}_{57}$: A Complex Oxide Containing Tungsten in an Unusual Trigonal Prismatic Coordination Environment. Inorganic Chemistry, 2017, 56, 2566-2575.	1.9	11

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37	Luminescence and scintillation properties of La ₂ [Si ₂ O ₇]:Ce ³⁺ functional pigment – A concept for UV-protection of coatings. <i>Dyes and Pigments</i> , 2015, 123, 331-340.	2.0	6
38	Proper Ferroelectricity in the Dionâ€“Jacobson Material CsBi ₂ Ti ₂ NbO ₁₀ : Experiment and Theory. <i>Chemistry of Materials</i> , 2015, 27, 8298-8309.	3.2	36
39	Syntheses of Two Vanadium Oxideâ€“Fluoride Materials That Differ in Phase Matchability. <i>Inorganic Chemistry</i> , 2015, 54, 765-772.	1.9	40
40	Crystallographic and magnetic properties of Pb ₂ Bi ₂ Ir ₂ O ₇ (O ₂) _{0.8} . <i>Materials Research Express</i> , 2014, 1, 046304.		1
41	Polar Alignment of β -Shaped Basic Building Units within Transition Metal Oxide Fluoride Materials. <i>Inorganic Chemistry</i> , 2014, 53, 221-228.	1.9	14
42	Role of Acentric Displacements on the Crystal Structure and Second-Harmonic Generating Properties of RbPbCO ₃ F and CsPbCO ₃ F. <i>Inorganic Chemistry</i> , 2014, 53, 6241-6251.	1.9	85
43	Synthesis and characterization of ASnF ₃ (A=Na ⁺ , K ⁺ , Rb ⁺ , Cs ⁺). <i>Journal of Solid State Chemistry</i> , 2014, 210, 213-218.	1.4	19
44	Labile Degree of Disorder in Bismuth-Oxophosphate Compounds: Illustration through Three New Structural Types. <i>Inorganic Chemistry</i> , 2014, 53, 861-871.	1.9	15
45	Nonlinear Active Materials: An Illustration of Controllable Phase Matchability. <i>Journal of the American Chemical Society</i> , 2013, 135, 11942-11950.	6.6	89
46	Polar and Magnetic Mn ₂ FeMO ₆ (M=Nb, Ta) with LiNbO ₃ -type Structure: High-Pressure Synthesis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8406-8410.	7.2	81
47	U ₃ F ₁₂ (H ₂ O), a Noncentrosymmetric Uranium(IV) Fluoride Prepared via a Convenient In Situ Route That Creates U ⁴⁺ under Mild Hydrothermal Conditions. <i>Inorganic Chemistry</i> , 2013, 52, 8303-8305.	1.9	36
48	Polar and Magnetic Layered A-Site and Rock Salt B-Site-Ordered NaLnFeWO ₆ (Ln = La, Nd) Perovskites. <i>Inorganic Chemistry</i> , 2013, 52, 12482-12491.	1.9	28
49	Homochiral Helical Metalâ€“Organic Frameworks of Group 1 Metals. <i>Inorganic Chemistry</i> , 2013, 52, 10041-10051.	1.9	33
50	Ba ₂ YFeO _{5.5} : A Ferromagnetic Pyroelectric Phase Prepared by Topochemical Oxidation.. <i>Chemistry of Materials</i> , 2013, 25, 1800-1808.	3.2	16
51	New Fluoride Carbonates: Centrosymmetric KPb ₂ (CO ₃) ₂ F and Noncentrosymmetric K _{2.70} Pb _{5.15} (CO ₃) ₅ F ₃ . <i>Inorganic Chemistry</i> , 2013, 52, 2466-2473.	1.9	59
52	Large scale synthesis, second-harmonic generation, and piezoelectric properties of a noncentrosymmetric vanadium phosphate, Li ₂ VPO ₆ . <i>Journal of Solid State Chemistry</i> , 2013, 202, 22-26.	1.4	7
53	Crystal Growth, Structure, Polarization, and Magnetic Properties of Cesium Vanadate, Cs ₂ V ₃ O ₈ : A Structureâ€“Property Study. <i>Inorganic Chemistry</i> , 2013, 52, 6179-6186.	1.9	37
54	Synthesis and Selective Topochemical Fluorination of the Cation and Anion-Vacancy Ordered phases Ba ₂ YCo ₅ and Ba ₃ YCo ₂ O _{7.5} . <i>Inorganic Chemistry</i> , 2013, 52, 13762-13769.	1.9	15

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55	Perovskite B-site Compositional Control of [110] _p Polar Displacement Coupling in an Ambient-Pressure Stable Bismuth-based Ferroelectric. <i>Angewandte Chemie</i> , 2012, 124, 10928-10933.	1.6	8
56	Perovskite B-site Compositional Control of [110] _p Polar Displacement Coupling in an Ambient-Pressure Stable Bismuth-based Ferroelectric. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10770-10775.	7.2	15
57	Inducing polarity in [VO ₃] ⁿ chain compounds using asymmetric hydrogen-bonding networks. <i>Journal of Solid State Chemistry</i> , 2012, 195, 86-93.	1.4	14
58	Role of Hydrogen-Bonding in the Formation of Polar Achiral and Nonpolar Chiral Vanadium Selenite Frameworks. <i>Inorganic Chemistry</i> , 2012, 51, 11040-11048.	1.9	25
59	Symmetry preservation in a new noncentrosymmetric lattice comprised of acentric POM clusters residing in bowls of Cs ⁺ -based half SOD β^2 -cage. <i>Chemical Communications</i> , 2012, 48, 1665-1667.	2.2	9
60	Structure-Property Relationships in Solid Solutions of Noncentrosymmetric Aurivillius Phases, Bi _{4-x} L _x Ti ₃ O ₁₂ (x = 0-0.75). <i>Inorganic Chemistry</i> , 2012, 51, 10402-10407.	1.9	30