

Yuki Sakai

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Realization of Negative Thermal Expansion in Lead-Free Bi _{0.5} K _{0.5} VO ₃ by the Suppression of Tetragonality. <i>Inorganic Chemistry</i> , 2022, , .	4.0	3
2	Magnetic Ordering and Structural Transition in the Ordered Double-Perovskite Pb ₂ NiMoO ₆ . <i>Chemistry of Materials</i> , 2022, 34, 97-106.	6.7	3
3	Sequential Pressure-Induced $B^{1\rightarrow 2}$ Transitions in the Anion-Ordered Oxyhydride Ba ₂ YHO ₃ . <i>Inorganic Chemistry</i> , 2022, 61, 7043-7050.	4.0	1
4	SrV _{0.3} Fe _{0.7} O _{2.8} : A Vacancy-Ordered Fe-Based Perovskite Exhibiting Room-Temperature Magnetoresistance. <i>Inorganic Chemistry</i> , 2022, 61, 8987-8991.	4.0	1
5	Polarization Rotation at Morphotropic Phase Boundary in New Lead-Free Na _{1/2} Bi _{1/2} V ⁴⁺ Ti _x O ₃ Piezoceramics. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 5208-5215.	8.0	11
6	Polarization- and Strain-Mediated Control of Negative Thermal Expansion and Ferroelasticity in Bi ₃ BiZn _{1/2} Ti _{1/2} O ₃ . <i>Chemistry of Materials</i> , 2021, 33, 1498-1505.	6.7	4
7	Observation of novel charge ordering and spin reorientation in perovskite oxide PbFeO ₃ . <i>Nature Communications</i> , 2021, 12, 1917.	12.8	17
8	Intermetallic Charge Transfer in V-Substituted PbCrO ₃ . <i>Inorganic Chemistry</i> , 2021, 60, 9427-9431.	4.0	1
9	Crystal Structures and Electronic States of High-Pressure-Synthesized (1-x)PbVO ₃ -xBiCrO ₃ Solid Solutions. <i>Journal of Asian Ceramic Societies</i> , 2021, 9, 1147-1153.	2.3	0
10	High-Pressure Synthesis and Lithium-Ion Conduction of Li ₄ OBr ₂ Derivatives with a Layered Inverse-Perovskite Structure. <i>Chemistry of Materials</i> , 2021, 33, 9194-9201.	6.7	8
11	Enhanced Spontaneous Polarization by V ⁴⁺ Substitution in a Lead-Free Perovskite CaMnTi ₂ O ₆ . <i>Inorganic Chemistry</i> , 2020, 59, 11749-11756.	4.0	5
12	Emergence of a Cubic Phase Stabilized by Intermetallic Charge Transfer in (1-x)Tj ₂ ETQq ₀ O ₀ rgBT /Overlock 10 Tf 50 307 Td (x) 32, 6892-6897.	6.7	6
13	Stabilized Charge, Spin, and Orbital Ordering by the 6s ² Lone Pair in Bi _{0.5} Pb _{0.5} MnO ₃ . <i>Inorganic Chemistry</i> , 2020, 59, 13390-13397.	4.0	2
14	Annealing effect on local structure and negative thermal expansion of antiperovskite manganese nitride fine particles. <i>Applied Physics Express</i> , 2020, 13, 075501.	2.4	6
15	Negative Thermal Expansion in Lead-Free La-Substituted Bi _{0.5} Na _{0.5} VO ₃ . <i>Chemistry of Materials</i> , 2020, 32, 4832-4837.	6.7	14
16	High-Brightness Red-Emitting Phosphor La ₃ (Si,Al) ₆ (O,N) ₁₁ :Ce ³⁺ for Next-Generation Solid-State Light Sources. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 31652-31658.	8.0	23
17	Long-term heat-storage ceramics absorbing thermal energy from hot water. <i>Science Advances</i> , 2020, 6, eaaz5264.	10.3	34
18	Sequential Spin State Transition and Intermetallic Charge Transfer in PbCoO ₃ . <i>Journal of the American Chemical Society</i> , 2020, 142, 5731-5741.	13.7	35

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19	Observation of Stabilized Monoclinic Phase as a "Bridge" at the Morphotropic Phase Boundary between Tetragonal Perovskite PbVO_3 and Rhombohedral BiFeO_3 . Chemistry of Materials, 2020, 32, 3615-3620.	6.7	5
20	Negative Thermal Expansion Induced by Simultaneous Charge Transfer and Polar-Nonpolar Transitions. Nihon Kessho Gakkaishi, 2020, 62, 135-136.	0.0	0
21	Pronounced Negative Thermal Expansion in Lead-Free BiCoO_3 -Based Ferroelectrics Triggered by the Stabilized Perovskite Structure. Chemistry of Materials, 2019, 31, 6187-6192.	6.7	14
22	Robust Giant Tetragonal Distortion Coupled with High-Spin Co^{3+} in Electron-Doped BiCoO_3 . Inorganic Chemistry, 2019, 58, 16059-16064.	4.0	9
23	Large Negative Thermal Expansion Induced by Synergistic Effects of Ferroelectrostriction and Spin Crossover in PbTiO_3 -Based Perovskites. Chemistry of Materials, 2019, 31, 1296-1303.	6.7	29
24	Polar-Nonpolar Phase Transition Accompanied by Negative Thermal Expansion in Perovskite-Type $\text{Bi}_{1-x}\text{Pb}_x\text{NiO}_3$. Chemistry of Materials, 2019, 31, 4748-4758.	6.7	21
25	Stability of Polar Structure in Filling-Controlled Giant Tetragonal Perovskite Oxide PbVO_3 . Inorganic Chemistry, 2019, 58, 2755-2760.	4.0	8
26	Enhanced Negative Thermal Expansion Induced by Simultaneous Charge Transfer and Polar-Nonpolar Transitions. Journal of the American Chemical Society, 2019, 141, 19397-19403.	13.7	30
27	Strain Manipulation of Magnetic Anisotropy in Room-Temperature Ferrimagnetic Quadruple Perovskite $\text{CeCu}_3\text{Mn}_4\text{O}_{12}$. ACS Applied Electronic Materials, 2019, 1, 2514-2521.	4.3	5
28	Melting of d_{xy} Orbital Ordering Accompanied by Suppression of Giant Tetragonal Distortion and Insulator-to-Metal Transition in Cr-Substituted PbVO_3 . Chemistry of Materials, 2019, 31, 1352-1358.	6.7	15
29	Systematic charge distribution changes in Bi- and Pb-3d transition metal perovskites. Dalton Transactions, 2018, 47, 1371-1377.	3.3	12
30	Unusual inhomogeneous microstructures in charge glass state of PbCrO_3 . Japanese Journal of Applied Physics, 2018, 57, 050301.	1.5	2
31	A-site and B-site Charge Ordering of Perovskite Oxide PbCoO_3 Realized by i - d Level Controlling. Nihon Kessho Gakkaishi, 2018, 60, 227-228.	0.0	0
32	$\text{Na}_{1/2}\text{Bi}_{1/2}\text{VO}_3$ and $\text{K}_{1/2}\text{Bi}_{1/2}\text{VO}_3$: New Lead-Free Tetragonal Perovskites with Moderate c/a Ratios. Chemistry of Materials, 2018, 30, 6728-6736.	6.7	8
33	Optimized negative thermal expansion induced by gradual intermetallic charge transfer in $\text{Bi}^{1-x}\text{Sb}_x\text{NiO}_3$. Applied Physics Express, 2018, 11, 061102.	2.4	19
34	Room temperature ferromagnetism in $\text{BiFe}_{1-x}\text{Mn}_x\text{O}_3$ thin film induced by spin-structure manipulation. Applied Physics Letters, 2018, 112, .	3.3	10
35	Colossal Negative Thermal Expansion in Electron-Doped PbVO_3 Perovskites. Angewandte Chemie - International Edition, 2018, 57, 8170-8173.	13.8	64
36	Colossal Negative Thermal Expansion in Electron-Doped PbVO_3 Perovskites. Angewandte Chemie, 2018, 130, 8302-8305.	2.0	3

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37	Extended operating temperature window of giant negative thermal expansion in Sn-doped Ca ₂ RuO ₄ . Applied Physics Letters, 2018, 113, .	3.3	13
38	A-Site and B-Site Charge Orderings in an <i>d</i> Level Controlled Perovskite Oxide PbCo ₃ . Journal of the American Chemical Society, 2017, 139, 4574-4581.	13.7	52
39	Colossal negative thermal expansion in reduced layered ruthenate. Nature Communications, 2017, 8, 14102.	12.8	154
40	Giant negative thermal expansion in Fe-doped layered ruthenate ceramics. Applied Physics Express, 2017, 10, 115501.	2.4	27
41	Electric-Field-Induced Reorientation of the Magnetic Easy Plane in a Co-Substituted BiFeO ₃ Single Crystal. Inorganic Chemistry, 2017, 56, 15171-15177.	4.0	13
42	Glassy Distribution of Bi ³⁺ /Bi ⁵⁺ in Bi _{1-x} Pb _x NiO ₃ and Negative Thermal Expansion Induced by Intermetallic Charge Transfer. Chemistry of Materials, 2016, 28, 6062-6067.	6.7	31
43	High-Temperature Monoclinic <i>Cc</i> Phase with Reduced <i>c/a</i> Ratio in Bi-based Perovskite Compound Bi ₂ ZnTi _{1-x} Mn _x O ₆ . Inorganic Chemistry, 2016, 55, 6124-6129.	4.0	12
44	The Electronic Structure of Structurally Strained Mn ₃ O ₄ Postspinel and the Relationship with Mn ₃ O ₄ Spinel. Journal of the Physical Society of Japan, 2015, 84, 114702.	1.6	15
45	Electronic structure and transport properties of Cu-deficient kuramite Cu _{3-3x} SnS ₄ . Japanese Journal of Applied Physics, 2015, 54, 021801.	1.5	10
46	Effect of Sn-Substitution on Thermoelectric Properties of Copper-Based Sulfide, Famatinitite Cu ₃ SbS ₄ . Journal of the Physical Society of Japan, 2015, 84, 044706.	1.6	47
47	Magnetic Properties of Shandite-Phase Co _{3-3x} Fe _x Sn ₂ S ₂ (<i>x</i> =) Tj ETC, 1 1 0.784314 rgB	1.6	14
48	New phases of binary compounds: CsCl-type RuGe and RuSn. Europhysics Letters, 2014, 107, 56003.	2.0	6
49	The effect of simultaneous substitution on the electronic band structure and thermoelectric properties of Se-doped Co ₃ SnInS ₂ with the Kagome lattice. Solid State Communications, 2014, 199, 56-60.	1.9	16
50	Magnetic properties of shandite-type Co ₃ Sn ₂ S _{2-2x} Se _x . Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1130-1131.	0.8	14
51	Origin and Absence of Giant Negative Thermal Expansion in Reduced and Oxidized Ca ₂ RuO ₄ . Chemistry of Materials, 0, , .	6.7	14