

# Yoshihiro Tsujimoto

## List of Publications by Year in descending order

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103  
papers

3,541  
citations

186265  
28  
h-index

149698  
56  
g-index

117  
all docs

117  
docs citations

117  
times ranked

4378  
citing authors

#	ARTICLE	IF	CITATIONS
1	Infinite-layer iron oxide with a square-planar coordination. <i>Nature</i> , 2007, 450, 1062-1065.	27.8	426
2	An oxyhydride of BaTiO <sub>3</sub> exhibiting hydride exchange and electronic conductivity. <i>Nature Materials</i> , 2012, 11, 507-511.	27.5	251
3	Synthesis of Superparamagnetic Nanoporous Iron Oxide Particles with Hollow Interiors by Using Prussian Blue Coordination Polymers. <i>Chemistry of Materials</i> , 2012, 24, 2698-2707.	6.7	163
4	Mesoporous Iron Phosphonate Electrodes with Crystalline Frameworks for Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2015, 27, 1082-1089.	6.7	138
5	High-Temperature Ferrimagnetism Driven by Lattice Distortion in Double Perovskite Ca <sub>2</sub> FeOsO <sub>6</sub> . <i>Journal of the American Chemical Society</i> , 2014, 136, 3326-3329.	13.7	122
6	Magnetically Driven Metal-Insulator Transition in $\text{NaOsO}_3$ . <i>Physical Review Letters</i> , 2012, 108, 257209.	7.8	115
7	Synthesis of Nanostructured Reduced Titanium Oxide: Crystal Structure Transformation Maintaining Nanomorphology. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7418-7421.	13.8	110
8	Spin Ladder Iron Oxide: Sr <sub>3</sub> Fe <sub>2</sub> O <sub>5</sub> . <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5740-5745.	13.8	99
9	Spin transition in a four-coordinate iron oxide. <i>Nature Chemistry</i> , 2009, 1, 371-376.	13.6	97
10	CaFeO <sub>2</sub> : A New Type of Layered Structure with Iron in a Distorted Square Planar Coordination. <i>Journal of the American Chemical Society</i> , 2009, 131, 221-229.	13.7	89
11	Superelectronicity suppression of $\text{BaMn}_2\text{O}_7$ . <i>Physical Review Letters</i> , 2012, 109, 097203.	3.2	80
12	Oxyfluoride Chemistry of Layered Perovskite Compounds. <i>Applied Sciences (Switzerland)</i> , 2012, 2, 206-219.	2.5	74
13	Function of Tetrahedral ZnS <sub>3</sub> O Building Blocks in the Formation of SrZn <sub>2</sub> S <sub>2</sub> O: A Phase Matchable Polar Oxysulfide with a Large Second Harmonic Generation Response. <i>Chemistry of Materials</i> , 2018, 30, 6486-6493.	6.7	64
14	High-Pressure Synthesis, Crystal Structures, and Magnetic Properties of 5d Double-Perovskite Oxides Ca <sub>2</sub> MgOsO <sub>6</sub> and Sr <sub>2</sub> MgOsO <sub>6</sub> . <i>Inorganic Chemistry</i> , 2015, 54, 3422-3431.	4.0	61
15	High-Pressure Synthesis of 5d Cubic Perovskite BaOsO <sub>3</sub> at 17 GPa: Ferromagnetic Evolution over 3d to 5d Series. <i>Journal of the American Chemical Society</i> , 2013, 135, 16507-16516.	13.7	58
16	Spiral-Spin-Driven Ferroelectricity in a Multiferroic Delafossite $\text{AgFeO}_2$ . <i>Physical Review Letters</i> , 2012, 109, 097203.	7.8	57
17	Dirac-Mott insulator with ferromagnetism near 100 K. <i>Physical Review B</i> , 2016, 94, .	13.7	55
18	Stability of the Infinite Layer Structure with Iron Square Planar Coordination. <i>Journal of the American Chemical Society</i> , 2008, 130, 3764-3765.	13.7	54

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19	Single-crystal epitaxial thin films of SrFeO <sub>2</sub> with FeO <sub>2</sub> infinite layers. Applied Physics Letters, 2008, 92, .	3.3	52
20	Nanoporous Mn-based electrocatalysts through thermal conversion of cyano-bridged coordination polymers toward ultra-high efficiency hydrogen peroxide production. Journal of Materials Chemistry A, 2016, 4, 9266-9274.	10.3	51
21	superconductor BaFe <sub>1.89</sub> Zn <sub>0.11</sub> O <sub>4</sub> with increasing Zn substitution in the iron-based $\text{BaFe}_{1.89}\text{Zn}_{0.11}\text{O}_4$	3.2	49
22	Enhanced spin-phonon-electronic coupling in a 5d oxide. Nature Communications, 2015, 6, 8916.	12.8	45
23	Extended Ni(III) Oxyhalide Perovskite Derivatives: Sr <sub>2</sub> NiO <sub>3</sub> X (X = F, Cl, Br, I). Journal of the Physical Society of Japan, 2019, 88, 063706.	1.0	7843
24	Property Engineering in Perovskites via Modification of Anion Chemistry. Annual Review of Materials Research, 2018, 48, 303-326.	9.3	40
25	New layered cobalt oxyfluoride, Sr <sub>2</sub> CoO <sub>3</sub> F. Chemical Communications, 2011, 47, 3263-3265.	4.1	39
26	La <sub>3</sub> Ga <sub>3</sub> Ge <sub>2</sub> S <sub>3</sub> O <sub>10</sub> : An Ultraviolet Nonlinear Optical Oxysulfide Designed by Anion-Directed Band Gap Engineering. Angewandte Chemie - International Edition, 2021, 60, 26561-26565.	13.8	37
27	Rational Design and Synthesis of Cyano-Bridged Coordination Polymers with Precise Control of Particle Size from 20 to 500 nm. European Journal of Inorganic Chemistry, 2013, 2013, 3141-3145.	2.0	33
28	1/3 Magnetization Plateau in Spin-1/2 Square Lattice Antiferromagnet (CuBr)Sr <sub>2</sub> Nb <sub>3</sub> O <sub>10</sub> . Journal of the Physical Society of Japan, 2007, 76, 063711.	1.6	31
29	Bose-Einstein Condensation of Quasi-Two-Dimensional Frustrated Quantum Magnet (CuCl)LaNb <sub>2</sub> O <sub>7</sub> . Journal of the Physical Society of Japan, 2007, 76, 093706.	1.6	29
30	New members of layered oxychloride perovskites with square planar coordination: Sr <sub>2</sub> MO <sub>2</sub> Cl <sub>2</sub> (M = Ti, Zr, Hf). Journal of the Physical Society of Japan, 2019, 88, 063706.	1.0	7843
31	Topotactic Synthesis and Crystal Structure of a Highly Fluorinated Ruddlesden-Popper-Type Iron Oxide, Sr <sub>3</sub> Fe <sub>2</sub> O <sub>5+</sub> X <sub>2</sub> F <sub>2</sub> (X = Cl, Br, I, OH). Chemistry of Materials, 2011, 23, 3652-3658.	6.7	27
32	Thermal Conversion of Hollow Prussian Blue Nanoparticles into Nanoporous Iron Oxides with Crystallized Hematite Phase. European Journal of Inorganic Chemistry, 2014, 2014, 1137-1141.	2.0	27
33	Size dependence of structural, magnetic, and electrical properties in corundum-type Ti <sub>2</sub> O <sub>3</sub> nanoparticles showing insulator-metal transition. Journal of Asian Ceramic Societies, 2015, 3, 325-333.	2.3	27
34	Exploring Structures and Properties through Anion Chemistry. Bulletin of the Chemical Society of Japan, 2019, 92, 1349-1357.	3.2	27
35	Muon spin relaxation studies of the frustrated quasi-two-dimensional square-lattice spin system		

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37	High-Pressure Synthesis, Crystal Structure, and Magnetic Properties of $\text{Sr}_{2}\text{MnO}_{3}\text{F}$ : A New Member of Layered Perovskite Oxyfluorides. <i>Inorganic Chemistry</i> , 2016, 55, 2627-2633.	4.0	25
38	Enhanced visible-light photocatalytic activity of anatase-rutile mixed-phase nano-size powder given by high-temperature heat treatment. <i>Royal Society Open Science</i> , 2020, 7, 191539.	2.4	25
39	Synthesis, structure, and magnetic properties of the two-dimensional quantum antiferromagnets $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle$		

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55	Magnetic Excitations in Infinite-Layer Antiferromagnetic Insulator. Journal of the Physical Society of Japan, 2010, 79, 034707.	1.6	17
56	Two-Dimensional $S = 1$ Quantum Antiferromagnet (NiCl) <sub>2</sub> Sr <sub>2</sub> Ta <sub>3</sub> O <sub>10</sub> . Chemistry of Materials, 2010, 22, 4625-4631.	6.7	16
57	Magnetic correlation in the square-lattice spin system (CuBr) <sub>2</sub> Sr <sub>2</sub> Nb <sub>2</sub> O <sub>10</sub> . A neutron diffraction study. Physical Review B, 2011, 84, .	3.2	13
58	High-pressure synthesis, crystal structure and magnetic properties of TlCrO <sub>3</sub> perovskite. Dalton Transactions, 2015, 44, 10785-10794.	3.3	16
59	Room-temperature ferrimagnetism of anti-site-disordered Ca <sub>2</sub> MnO <sub>6</sub> . Physical Review Materials, 2019, 3, .	2.4	16
60	Anion Order-to-Disorder Transition in Layered Iron Oxyfluoride Sr <sub>2</sub> FeO <sub>3</sub> F Single Crystals. Crystal Growth and Design, 2014, 14, 4278-4284.	3.0	15
61	Controlled Crystallization of Cyano-Bridged Cu-Pt Coordination Polymers with Two-Dimensional Morphology. Chemistry - an Asian Journal, 2014, 9, 1511-1514.	3.3	14
62	Fighting at the Interface: Structural Evolution during Heteroepitaxial Growth of Cyanometallate Coordination Polymers. Inorganic Chemistry, 2018, 57, 8701-8704.	4.0	14
63	<sup>57</sup> Fe Mössbauer Spectroscopic Study on Fe <sup>2+</sup> -Oxides with Infinite-Layer and Ladder Structures. Journal of the Physical Society of Japan, 2010, 79, 123709.	1.6	13
64	A layered wide-gap oxyhalide semiconductor with an infinite ZnO <sub>2</sub> square planar sheet: Sr <sub>2</sub> ZnO <sub>2</sub> Cl <sub>2</sub> . Chemical Communications, 2017, 53, 3826-3829.	4.1	13
65	Enhanced magnetization of the highest-T ferrimagnetic oxide Sr <sub>2</sub> Ta <sub>3</sub> O <sub>10</sub> . Physical Review B, 2020, 102, .	3.2	13
66	La <sub>3</sub> Ga <sub>3</sub> Ge <sub>2</sub> S <sub>3</sub> O <sub>10</sub> : An Ultraviolet Nonlinear Optical Oxy sulfide Designed by Anion-Directed Band Gap Engineering. Angewandte Chemie, 2021, 133, 26765-26769.	2.0	13
67	Anion Substitution at Apical Sites of Ruddlesden-Popper-type Cathodes toward High Power Density for All-Solid-State Fluoride-Ion Batteries. Chemistry of Materials, 2022, 34, 609-616.	6.7	13
68	High-pressure synthesis, crystal structure, and magnetic properties of KSbO <sub>3</sub> -type 5d oxides K <sub>0.84</sub> OsO <sub>3</sub> and Bi <sub>2.93</sub> Os <sub>3</sub> O <sub>11</sub> . Science and Technology of Advanced Materials, 2014, 15, 064901.	6.1	12
69	Growth of Single-Crystal Ca <sub>10</sub> (Pt <sub>4</sub> As <sub>8</sub> )(Fe <sub>1.8</sub> Pt <sub>0.2</sub> As <sub>2</sub> ) <sub>5</sub> Nanowhiskers with Superconductivity up to 33 K. Journal of the American Chemical Society, 2012, 134, 4068-4071.	13.7	11
70	Quadruple-layered perovskite (CuCl)Ca <sub>2</sub> NaNb <sub>4</sub> O <sub>13</sub> . Journal of Solid State Chemistry, 2012, 185, 10-17.	2.9	10
71	Unusual magnetic hysteresis and the weakened transition behavior induced by Sn substitution in Mn <sub>3</sub> SbN. Journal of Applied Physics, 2014, 115, 043509.	2.5	10
72	Structure and cation distribution in perovskites with small cations at the A site: the case of ScCoO <sub>3</sub> . Science and Technology of Advanced Materials, 2015, 16, 024801.	6.1	10

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73	Study of Polycrystalline Bulk Sr <sub>3</sub> O <sub>6</sub> Double-Perovskite Insulator: Comparison with 1000 K Ferromagnetic Epitaxial Films. <i>Inorganic Chemistry</i> , 2020, 59, 4049-4057.	4.0	9
74	Ruddlesden-Popper Oxychlorides Ba <sub>3</sub> Y <sub>2</sub> O <sub>5</sub> Cl <sub>2</sub> , Sr <sub>3</sub> Sc <sub>2</sub> O <sub>5</sub> Cl <sub>2</sub> , and Sr <sub>2</sub> ScO <sub>3</sub> Cl: First Examples of Oxide-Ion-Conducting Oxychlorides. <i>ACS Applied Energy Materials</i> , 2022, 5, 295-304.	5.1	9
75	Synthesis, Crystal Structure, and Optical Properties of Layered Perovskite Scandium Oxychlorides: Sr <sub>2</sub> ScO <sub>3</sub> Cl, Sr <sub>3</sub> Sc <sub>2</sub> O <sub>5</sub> Cl <sub>2</sub> , and Ba <sub>3</sub> Sc <sub>2</sub> O <sub>5</sub> Cl <sub>2</sub> . <i>Inorganic Chemistry</i> , 2018, 57, 5615-5623.	4.0	8
76	Antiferromagnetic Order Breaks Inversion Symmetry in a Metallic Double Perovskite, Pb <sub>2</sub> NiOs <sub>6</sub> . <i>Chemistry of Materials</i> , 2021, 33, 4188-4195.	6.7	8
77	Synthesis, Structural and Magnetic Properties of the Solid Solution (CuCl <sub>1-x</sub> Br <sub>x</sub> )LaNb <sub>2</sub> O <sub>7</sub> (0 ≤ x ≤ 1). <i>Journal of the Physical Society of Japan</i> , 2010, 79, 014709.	1.6	7
78	Non-magnetic impurity effect on the optimally carrier doped superconductor BaFe <sub>1.87</sub> Co <sub>0.13</sub> As <sub>2</sub> prepared at ambient pressure. <i>Physica C: Superconductivity and Its Applications</i> , 2011, 471, 213-215.	1.2	7
79	Ferroelectricity and lattice distortion associated with spin orderings in a multiferroic delafossite AgFeO <sub>2</sub> . <i>EPJ Web of Conferences</i> , 2013, 40, 15008.	0.3	7
80	Superconductivity of $\hat{\Gamma}$ -MoCo <sub>0.75</sub> synthesized at 17GPa. <i>Solid State Communications</i> , 2014, 177, 33-35.	1.9	7
81	Experimental and Theoretical Soft X-Ray Absorption Study on Co <sup>3+</sup> Ion Spin States in Sr <sub>2-x</sub> Ca <sub>x</sub> CoO <sub>3</sub> . <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1800147.	2.4	7
82	Magnetically induced metal-insulator transition in $\text{Pb}_{1-x}\text{Bi}_x\text{Fe}_2\text{O}_7$ . <i>Physical Review B</i> , 2020, 102, .	3.2	7
83	Bulk compound synthesis and oxygen deficiency effect on electronic and magnetic properties of the Zn-based oxyarsenide LaZnAsO <sub>1-x</sub> . <i>Journal of Alloys and Compounds</i> , 2014, 582, 241-245.	5.5	6
84	Difference in magnetic and ferroelectric properties between rhombohedral and hexagonal polytypes of AgFeO <sub>2</sub> : A single-crystal study. <i>Physical Review B</i> , 2019, 99, .	3.2	6
85	Low-temperature solid-state reduction approach to highly reduced titanium oxide nanocrystals. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 609-613.	1.1	5
86	Electronic properties of perovskite strontium chromium oxyfluoride epitaxial thin films fabricated via low-temperature topotactic reaction. <i>Physical Review Materials</i> , 2020, 4, .	2.4	5
87	Crystal structure and magnetic properties of $\text{H}_{1-x}\text{Fe}_x\text{AsO}$ . <i>Physical Review B</i> , 2019, 99, .	3.2	5

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91	High-pressure synthesis, crystal structure, and magnetic properties of hexagonal Ba <sub>3</sub> CuOs <sub>2</sub> O <sub>9</sub> . Journal of Solid State Chemistry, 2019, 272, 182-188.	2.9	4
92	Flux Crystal Growth, Structure, and Optical Properties of the New Germanium Oxysulfide La <sub>4</sub> (GeS <sub>2</sub> O <sub>2</sub> ) <sub>3</sub> . Crystal Growth and Design, 2020, 20, 4054-4061.	3.0	4
93	Quasi-periodic magnetic flux jumps in the superconducting state of Ba <sub>0.5</sub> K <sub>0.5</sub> Fe <sub>1.9</sub> M <sub>0.1</sub> As <sub>2</sub> (M=Fe, Co). Tj ETQq1_1_0.784314 rgBT / 1.2 3	1.2	3
94	Thermodynamic, Electromagnetic, and Lattice Properties of Antiperovskite Mn <sub>3</sub> SbN. Advances in Condensed Matter Physics, 2013, 2013, 1-5.	1.1	3
95	Synthesis, structure, and luminescence properties of layered oxychloride Ba <sub>3</sub> Y <sub>2</sub> O <sub>5</sub> Cl <sub>2</sub> . Journal of Materials Chemistry C, 2020, 8, 17162-17168.	5.5	3
96	Fluorination and reduction of CaCrO <sub>3</sub> by topochemical methods. Dalton Transactions, 2020, 49, 1997-2003.	3.3	3
97	Magnetic and Structural Studies on Two-Dimensional Antiferromagnets (<i>M</i>Cl)LaNb <sub>2</sub> O <sub>7</sub> (<i>M</i> = Mn, Co, Cr). Journal of the Physical Society of Japan, 2016, 85, 034005.	1.6	1
98	High-Pressure Synthesis, Crystal Structure, and Semimetallic Properties of HgPbO <sub>3</sub> . Inorganic Chemistry, 2018, 57, 7601-7609.	4.0	1
99	Flux Crystal Growth, Crystal Structure, and Optical Properties of New Germanate Garnet Ce <sub>2</sub> CaMg <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> . Frontiers in Chemistry, 2020, 8, 91.	3.6	1
100	Novel Iron Oxides with Square Planar Coordination from Low Temperature Synthesis. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2010, 57, 181-185.	0.2	0
101	Ion-Exchange Reactions for Two-Dimensional Quantum Antiferromagnetism. , 0, , .		0
102	Crystal Chemistry of New Layered Oxyhalide Perovskites with Anion Order. Nihon Kessho Gakkaishi, 2017, 59, 223-229.	0.0	0
103	Flux Crystal Growth, Crystal Structure, and Magnetic Properties of a Ternary Chromium Disulfide Ba <sub>9</sub> Cr <sub>4</sub> S <sub>19</sub> with Unusual Cr <sub>4</sub> S <sub>15</sub> Tetramer Units. ACS Omega, 2021, 6, 6842-6847.	3.5	0