

# Tadashi C C Ozawa

## List of Publications by Year in descending order

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87  
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2,946  
citations

218381

26  
h-index

168136

53  
g-index

94  
all docs

94  
docs citations

94  
times ranked

3228  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of a One-Dimensional Array of Oxygen in a Microporous Metal-Organic Solid. <i>Science</i> , 2002, 298, 2358-2361.	6.0	599
2	Balls&Sticks: easy-to-use structure visualization and animation program. <i>Journal of Applied Crystallography</i> , 2004, 37, 679-679.	1.9	196
3	Engineered Interfaces of Artificial Perovskite Oxide Superlattices <i>via</i> Nanosheet Deposition Process. <i>ACS Nano</i> , 2010, 4, 6673-6680.	7.3	141
4	Oriented Monolayer Film of $\text{Gd}_{2}\text{O}_{3}$ :0.05%Eu Crystallites: Quasi-Topotactic Transformation of the Hydroxide Film and Drastic Enhancement of Photoluminescence Properties. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3846-3849.	7.2	128
5	Preparation and Characterization of the $\text{Eu}^{3+}$ Doped Perovskite Nanosheet Phosphor: $\text{La}_{0.90}\text{Eu}_{0.05}\text{Nb}_{2}\text{O}_{7}$ . <i>Chemistry of Materials</i> , 2007, 19, 6575-6580.	3.2	120
6	Chemistry of layered <i>d</i> -metal pnictide oxides and their potential as candidates for new superconductors. <i>Science and Technology of Advanced Materials</i> , 2008, 9, 033003.	2.8	115
7	Exfoliation of Layered Europium Hydroxide into Unilamellar Nanosheets. <i>Chemistry - an Asian Journal</i> , 2010, 5, 248-251.	1.7	96
8	$\text{Yb}_{14}\text{ZnSb}_{11}$ : Charge Balance in Zintl Compounds as a Route to Intermediate Yb Valence. <i>Physical Review Letters</i> , 2000, 85, 1120-1123.	2.9	85
9	Phase Transition and Spin-gap Behavior in a Layered Tetragonal Pnictide Oxide. <i>Journal of Solid State Chemistry</i> , 1997, 134, 423-426.	1.4	82
10	Synthesis of a Solid Solution Series of Layered $\text{Eu}_{1-x}\text{Gd}_{x}(\text{OH})_{2.5}\text{Cl}_{0.5}\text{A}_{0.9}\text{H}_{2}\text{O}$ and Its Transformation into $(\text{Eu}_{1-x}\text{Gd}_{x})_{2}\text{O}_{3}$ with Enhanced Photoluminescence Properties. <i>Inorganic Chemistry</i> , 2010, 49, 2960-2968.	1.9	78
11	Oriented films of layered rare-earth hydroxide crystallites self-assembled at the hexane/water interface. <i>Chemical Communications</i> , 2008, , 4897.	2.2	75
12	$\text{RbBiNb}_{2}\text{O}_{7}$ : A New Lead-Free High- <i>T<sub>c</sub></i> Ferroelectric. <i>Chemistry of Materials</i> , 2012, 24, 3111-3113.	3.2	60
13	X-ray photoelectron spectroscopy studies of $\text{Yb}_{14}\text{MnSb}_{11}$ and $\text{Yb}_{14}\text{ZnSb}_{11}$ . <i>Journal of Solid State Chemistry</i> , 2005, 178, 262-269.	1.4	58
14	Versatile van der Waals epitaxy-like growth of crystal films using two-dimensional nanosheets as a seed layer: orientation tuning of $\text{SrTiO}_{3}$ films along three important axes on glass substrates. <i>Journal of Materials Chemistry C</i> , 2014, 2, 441-449.	2.7	58
15	$\text{Eu}_{0.56}\text{Ta}_{2}\text{O}_{7}$ : A New Nanosheet Phosphor with the High Intrananosheet Site Photoactivator Concentration. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1312-1315.	1.5	52
16	Possible Charge-Density-Wave/Spin-Density-Wave in the Layered Pnictide Oxides: $\text{Na}_{2}\text{Ti}_{2}\text{Pn}_{2}\text{O}$ (Pn = As,) Tj ETQg 0 0 0 rg BT /Overlock	3.2	51
17	Powder Neutron Diffraction Studies of $\text{Na}_{2}\text{Ti}_{2}\text{Sb}_{2}\text{O}$ and Its Structure-Property Relationships. <i>Journal of Solid State Chemistry</i> , 2000, 153, 275-281.	1.4	49
18	Soft-Chemical Exfoliation of $\text{Na}_{0.9}\text{Mo}_{2}\text{O}_{4}$ : Preparation and Electrical Conductivity Characterization of a Molybdenum Oxide Nanosheet. <i>Chemistry of Materials</i> , 2011, 23, 2700-2702.	3.2	48

#	ARTICLE	IF	CITATIONS
19	(K <sub>1.5</sub> Eu <sub>0.5</sub> )Ta <sub>3</sub> O <sub>10</sub> : A Far-Red Luminescent Nanosheet Phosphor with the Double Perovskite Structure. Journal of Physical Chemistry C, 2008, 112, 17115-17120.	1.5	47
20	Metal-insulator transition and large thermoelectric power of a layered palladium oxide: PbPdO <sub>2</sub> . Journal of Alloys and Compounds, 2005, 388, 1-5.	2.8	35
21	Accordion-like swelling of layered perovskite crystals via massive permeation of aqueous solutions into 2D oxide galleries. Chemical Communications, 2015, 51, 17068-17071.	2.2	35
22	Magnetism of CaRuO <sub>3</sub> crystal. Journal of Alloys and Compounds, 2004, 372, 58-64.	2.8	33
23	Synthesis of LiCoO <sub>2</sub> epitaxial thin films using a sol-gel method. Journal of Power Sources, 2015, 274, 417-423.	4.0	32
24	Single crystal growth and characterization of a layered transition metal pnictide oxide: Na <sub>2</sub> Ti <sub>2</sub> Sb <sub>2</sub> O <sub>7</sub> . Journal of Crystal Growth, 2004, 265, 571-576.	0.7	29
25	Synthesis and Characterization of a New Compound with Alternating MnO <sub>2</sub> -and Zn <sub>2</sub> As <sub>2</sub> -Layers: $\text{Ba}_2\text{MnZn}_2\text{As}_2\text{O}_{22}$ . Chemistry of Materials, 1998, 10, 392-396.	3.2	27
26	Crystallographic and magnetic properties of the mixed-valence oxides $\text{Ca}_{1-x}\text{Ru}_x\text{MnO}_3$ . Journal of Solid State Chemistry, 1997, 137, 1-10.	3.2	27
27	Enhancement of Host Excitation-Mediated Photoluminescence and Preferential Quenching of Direct Photoactivator Excitation-Mediated Photoluminescence by Exfoliation of Layered KLa <sub>0.90</sub> Sm <sub>0.05</sub> Nb <sub>2</sub> O <sub>7</sub> into La <sub>0.90</sub> Sm <sub>0.05</sub> Nb <sub>2</sub> O <sub>7</sub> Nanosheets. Journal of Physical Chemistry C, 2009, 113, 8735-8742.	1.5	26
28	Impact of perovskite layer stacking on dielectric responses in KCa <sub>2</sub> Nan <sup>n</sup> 3NbnO <sub>3n+1</sub> (n=3-6) Dion-Jacobson homologous series. Applied Physics Letters, 2010, 96, .	1.5	26
29	Superlattice assembly of graphene oxide (GO) and titania nanosheets: fabrication, in situ photocatalytic reduction of GO and highly improved carrier transport. Nanoscale, 2014, 6, 14419-14427.	2.8	25
30	The Effect of Interlayer Cations on the Magnetic Properties of the Mixed-Metal Pnictide Oxides: $\text{A}_2\text{MnZn}_2\text{As}_2\text{O}_{22}$ (A = Sr, Ba). Chemistry of Materials, 2001, 13, 973-980.	3.2	23
31	Efficient Photoinduced Charge Accumulation in Reduced Graphene Oxide Coupled with Titania Nanosheets To Show Highly Enhanced and Persistent Conductance. ACS Applied Materials & Interfaces, 2015, 7, 11436-11443.	4.0	23
32	Cu doping and pressure effect on a layered palladium oxide: PbPdO <sub>2</sub> . Journal of Alloys and Compounds, 2005, 395, 32-35.	2.8	21
33	Synthesis of lanthanum oxyhydroxide single crystals using an electrochemical method. Journal of Crystal Growth, 2007, 304, 448-451.	0.7	21
34	Bulk Functional Materials Design Using Oxide Nanosheets as Building Blocks: A New Upconversion Material Fabricated by Flocculation of Ca <sub>2</sub> Nb <sub>3</sub> O <sub>10</sub> Nanosheets with Rare-Earth Ions. Journal of Physical Chemistry C, 2014, 118, 1729-1738.	1.5	19
35	An Alkali-Metal Ion Extracted Layered Compound as a Template for a Metastable Phase Synthesis in a Low-Temperature Solid-State Reaction: Preparation of Brookite from K <sub>0.8</sub> Ti <sub>1.73</sub> Li <sub>0.27</sub> O <sub>4</sub> . Inorganic Chemistry, 2010, 49, 3044-3050.	1.9	17
36	Phase equilibria in the BaO-MgO-Ta <sub>2</sub> O <sub>5</sub> system. Journal of Materials Chemistry, 2009, 19, 8212.	6.7	16

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37	A-Site-Modified Perovskite Nanosheets and Their Integration into High- $\hat{\epsilon}$ Dielectric Thin Films with a Clean Interface. Japanese Journal of Applied Physics, 2010, 49, 09MA01.	0.8	16
38	Antiferromagnetism of R <sub>2</sub> BaPdO <sub>5</sub> (R = La, Nd, Pr, Sm, Eu, Gd, Dy, Ho). Journal of Alloys and Compounds, 2005, 386, 63-69.	2.8	15
39	Solution-Based Fabrication of Perovskite Nanosheet Films and Their Dielectric Properties. Japanese Journal of Applied Physics, 2009, 48, 09KA15.	0.8	15
40	NaCl/KCl Flux Single Crystal Growth and Crystal Structure of the New Quaternary Mixed-Metal Pnictide: BaCuZn <sub>3</sub> As <sub>3</sub> . Inorganic Chemistry, 2003, 42, 3183-3186.	1.9	14
41	Antiferromagnetism of LnRhO <sub>3</sub> (Ln= rare earth). Journal of Alloys and Compounds, 2010, 506, 27-32.	2.8	14
42	Soft-Chemical Exfoliation of RbSrNb <sub>2</sub> O <sub>6</sub> F into Homogeneously Unilamellar Oxyfluoride Nanosheets. Inorganic Chemistry, 2013, 52, 415-422.	1.9	13
43	Insulator-metal transition induced in Sr <sub>1-x</sub> NaxPd <sub>3</sub> O <sub>4</sub> for small Na-substitutions. Journal of Alloys and Compounds, 2004, 373, 67-72.	2.8	12
44	Synthesis and characterization of neodymium oxyhydroxide crystals. Journal of Alloys and Compounds, 2009, 468, 566-570.	2.8	12
45	Solution-Based Fabrication of Perovskite Multilayers and Superlattices Using Nanosheet Process. Japanese Journal of Applied Physics, 2011, 50, 09NA10.	0.8	12
46	Anomalous volume expansion in CaRu <sub>0.85</sub> Fe <sub>0.15</sub> O <sub>3</sub> : Neutron powder diffraction and magnetic Compton scattering. Physical Review B, 2007, 75, .	1.1	11
47	Low temperature magnetic properties of layered compounds: NaLnTiO <sub>4</sub> (Ln=Sm, Eu, Gd, Tb, Dy, Ho and) Tj ETQq1 1,0.784314 rgBT /Cv	2.8	11
48	Catalysis and proton-conduction of novel phosphate glasses. Journal of Non-Crystalline Solids, 2009, 355, 960-964.	1.5	11
49	Functional intermetallic compounds in the samarium-iron system. Science and Technology of Advanced Materials, 2006, 7, 46-51.	2.8	10
50	Magnetic properties of CaRu <sub>1-x</sub> FexO <sub>3</sub> . Journal of Applied Physics, 2006, 99, 08F703.	1.1	10
51	Synthesis and characterization of electron and hole doped ternary palladium oxide: Sr <sub>1-x</sub> AxPd <sub>3</sub> O <sub>4</sub> (A=Na, Bi). Journal of Alloys and Compounds, 2008, 448, 77-83.	2.8	10
52	Magnetization and specific heat measurement of the Shastry-Sutherland lattice compounds: Ln <sub>2</sub> BaPdO <sub>5</sub> (Ln=La, Pr, Nd, Sm, Eu, Gd, Dy, Ho). Journal of Alloys and Compounds, 2008, 448, 96-103.	2.8	10
53	Superconductivity of MRhGe <sub>2</sub> (M = Zr, Hf). Journal of Alloys and Compounds, 2004, 368, 51-57.	2.8	9
54	Direct observation of the induced moment on nonmagnetic Ru: A magnetic Compton study of CaRu <sub>0.85</sub> Fe <sub>0.15</sub> O <sub>3</sub> . Physical Review B, 2006, 74, .	1.1	9

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55	Effect of Fe substitution on magnetic properties of antiferromagnetic Heusler alloy Ru <sub>2</sub> MnGe. Journal of Alloys and Compounds, 2012, 510, 141-146.	2.8	9
56	Partial alkali-metal ion extraction from K <sub>0.8</sub> (Li <sub>0.27</sub> Ti <sub>1.73</sub> )O <sub>4</sub> using PTFE as an extraction reagent. Dalton Transactions, 2014, 43, 14902-14908.	1.6	9
57	Characterization of an epitaxial CaRuO <sub>3</sub> film prepared via the sol-gel route. Thin Solid Films, 2005, 478, 1-5.	0.8	8
58	Ferromagnetism in CaMn <sub>1-x</sub> Ir <sub>x</sub> O <sub>3</sub> . Journal of Physics Condensed Matter, 2008, 20, 235242.	0.7	8
59	Spin-polarized itinerant electrons in Co-based Heusler compounds investigated by magnetic Compton scattering. Journal of Applied Physics, 2012, 111, 063915.	1.1	8
60	Synthesis and Characterization of CaPd <sub>3</sub> O <sub>4</sub> Crystals. Journal of Crystallization Process and Technology, 2012, 02, 16-20.	0.6	8
61	Physical properties of Ba <sub>2</sub> MnZn <sub>2</sub> As <sub>2</sub> O <sub>2</sub> . Physica B: Condensed Matter, 2000, 284-288, 1424-1425.	1.3	7
62	Large anisotropic magnetoresistance of ruthenium-based Heusler alloys. Journal of Applied Physics, 2009, 105, 07E513.	1.1	7
63	Appearance of ferromagnetism in Heusler alloy Ru <sub>2</sub> Mn <sub>1-x</sub> V <sub>x</sub> Ge. Journal of Physics: Conference Series, 2010, 200, 052017.	0.3	7
64	Electrochemical crystal growth of perovskite ruthenates. Journal of Crystal Growth, 2009, 311, 623-626.	0.7	6
65	Solution-Based Fabrication of Perovskite Multilayers and Superlattices Using Nanosheet Process. Japanese Journal of Applied Physics, 2011, 50, 09NA10.	0.8	6
66	Exploration of Mid-Temperature Alkali-Metal-Ion Extraction Route Using PTFE (AEP): Transformation of $\pm$ -NaFeO <sub>2</sub> -Type Layered Oxides into Rutile-Type Binary Oxides. Inorganic Chemistry, 2012, 51, 7317-7323.	1.9	6
67	Metal-insulator-metal transition in Ti substituted antiferromagnetic Ru <sub>2</sub> MnGe Heusler alloy. Journal of Alloys and Compounds, 2013, 553, 389-394.	2.8	6
68	Spin frustration and antiferromagnetic long range order in ( earth). Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 337, 130-134.	0.9	5
69	Catalysts for hydrogen generation from water vapor. Science and Technology of Advanced Materials, 2006, 7, 52-55.	2.8	5
70	Ferromagnetism of Ca <sub>1-y</sub> Sr <sub>y</sub> Ru <sub>1-x</sub> Mn <sub>x</sub> O <sub>3</sub> . Journal of Applied Physics, 2008, 103, 07C906.	1.1	5
71	Magnetism of CaRu <sub>1-x</sub> Mn <sub>x</sub> O <sub>3</sub> : Magnetic Compton scattering study. Journal of Applied Physics, 2008, 103, 07C910.	1.1	5
72	Magnetic ground states of CaRu <sub>1-x</sub> Mn <sub>x</sub> O <sub>3</sub> (0.2) Tj ETQq0 0 0 rgBT /Overlock 10 276003.	0.7	5

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73	Synthesis and properties of LnRu <sub>2</sub> P <sub>2</sub> (Ln = lanthanides) crystals. Journal of Alloys and Compounds, 2009, 468, 28-33.	2.8	5
74	The role of 3d electrons in the appearance of ferromagnetism in the antiferromagnetic Ru <sub>2</sub> MnGe Heusler compound: a magnetic Compton scattering study. Journal of Physics Condensed Matter, 2012, 24, 255601.	0.7	5
75	Magnetic spin interactions observed by heat capacity measurements for layered compounds: NaLnTiO <sub>4</sub> (Ln=Sm, Eu, Gd, Tb, Dy, Ho and Er). Journal of Alloys and Compounds, 2008, 448, 64-68.	2.8	4
76	Ferromagnetism and spin reorientation in Sm <sub>12</sub> Fe <sub>14</sub> Al <sub>5</sub> . Journal of Magnetism and Magnetic Materials, 2010, 322, L19-L24.	1.0	4
77	A bona fide two-dimensional percolation model: an insight into the optimum photoactivator concentration in La <sub>2/3-x</sub> Eu <sub>x</sub> Ta <sub>2</sub> O <sub>7</sub> nanosheets. Science and Technology of Advanced Materials, 2011, 12, 044601.	2.8	4
78	Magnetic and transport properties in Fe <sub>3</sub> V Al. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 783-784.	1.0	3
79	Variation of the Ru moment in the Ca <sub>0.3</sub> Sr <sub>0.7</sub> Ru <sub>1-x</sub> Mn <sub>x</sub> O <sub>3</sub> system. Journal of Physics Condensed Matter, 2010, 22, 145601.	0.7	3
80	Chemical composition and magnetic property modifications of Na <sub>2</sub> Ti <sub>2</sub> Sb <sub>2</sub> O using PTFE as an alkali metal ion extraction reagent. Journal of Fluorine Chemistry, 2014, 168, 189-192.	0.9	3
81	Orbital magnetic moment in Ir doped CaMnO <sub>3</sub> . Journal of Physics Condensed Matter, 2009, 21, 336001.	0.7	2
82	Magnetic and Transport Properties of Heusler Compound $\{m \text{ Co} \}_2 \{m \text{ TiAl} \}$ . IEEE Transactions on Magnetism, 2011, 47, 2444-2446.	1.2	2
83	Fluorescence quantum yield of Gd <sub>0.9-x</sub> Ru <sub>x</sub> Eu <sub>0.1</sub> OOH (R=Y, La) crystals. Journal of Rare Earths, 2015, 33, 1256-1260.	2.5	2
84	Epitaxial ABO <sub>3</sub> -type oxide films prepared by the sol-gel method. IEEE Transactions on Magnetism, 2005, 41, 3355-3357.	1.2	1
85	Electronic and Magnetic Properties of d <sup>1</sup> Pnictide-Oxides: Na <sub>2</sub> Ti <sub>2</sub> Pn <sub>2</sub> O (Pn = As, Sb). Materials Research Society Symposia Proceedings, 2000, 658, 411.	0.1	0
86	NaCl/KCl Flux Single Crystal Growth and Crystal Structure of the New Quaternary Mixed-Metal Pnictide: BaCuZn <sub>3</sub> As <sub>3</sub> . ChemInform, 2003, 34, no.	0.1	0
87	Correlation between magnetism and crystal symmetry in the mixed valence system of Sr <sub>1-x</sub> Ca <sub>x</sub> Ru <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>3</sub> . Journal of the Korean Physical Society, 2013, 62, 1887-1892.	0.3	0