

Mineo Sato

List of Publications by Year in descending order

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623734

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Photocatalytic water splitting on hydrated layered perovskite tantalate $A_2SrTa_2O_7 \cdot nH_2O$ ($A = H, K, \text{ and } Ti$). <i>Chemistry Letters</i> , 2014, 43, 1213-1215.	2.8	104
2	Bluish-White Luminescence in Rare-Earth-Free Vanadate Garnet Phosphors: Structural Characterization of $LiCa_3MV_3O_{12}$ ($M = Zn \text{ and } Mg$). <i>Inorganic Chemistry</i> , 2018, 57, 857-866.	4.0	80
3	Novel Deep Red Emitting Phosphors $Ca_{14}Zn_6M_{10}O_{35}:Mn^{4+}$ ($M = Al^{3+} \text{ and } Ga^{3+}$). <i>Chemistry Letters</i> , 2014, 43, 1213-1215.	1.3	79
4	Unusual, broad red emission of novel Ce^{3+} -activated $Sr_3Sc_4O_9$ phosphors under visible-light excitation. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9472-9478.	5.5	67
5	Photostimulated Luminescence and Structural Characterization of $Ba_5(PO_4)_3Cl \cdot Eu^{2+}$. <i>Journal of the Electrochemical Society</i> , 1994, 141, 1851-1855.	2.9	47
6	Metastable $Sr_{0.5}TaO_3$ Perovskite Oxides Prepared by Nanosheet Processing. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 5471-5475.	2.0	38
7	Crystal Structure and Ionic Conductivity of a Layered Perovskite, $NaLaTa_2O_{10}$. <i>Journal of the Ceramic Society of Japan</i> , 1994, 102, 737-741.	1.3	27
8	New Layered Perovskite Compounds, $LiLaTiO_4$ and $LiEuTiO_4$. <i>Journal of the Ceramic Society of Japan</i> , 1996, 104, 140-142.	1.3	24
9	Structure Determination of New Layered Perovskite Compound, $NaLaTa_2O_7$, Synthesized by Ion-Exchange Reaction. <i>Journal of the Ceramic Society of Japan</i> , 1997, 105, 482-485.	1.3	23
10	Synthesis and Characterization of New Long Persistent Phosphor. <i>Journal of the Ceramic Society of Japan</i> , 2002, 110, 283-288.	1.3	23
11	Novel Reddish Yellow-emitting Ce^{3+} -Doped $Ba_3Sc_4O_9$ Phosphors for Blue-light-based White LEDs. <i>Chemistry Letters</i> , 2014, 43, 828-830.	1.3	23
12	Viscosity analysis of alkali metal carbonate molten salts at high temperature. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 355-358.	1.1	19
13	Powder Neutron Diffraction Study of Layered Perovskite, $KCa_2Nb_3O_{10}$. <i>Journal of the Ceramic Society of Japan</i> , 2006, 114, 795-797.	1.3	17
14	Material Exhibiting Efficient CO_2 Adsorption at Room Temperature for Concentrations Lower Than 1000 ppm: Elucidation of the State of Barium Ion Exchanged in an MFI-Type Zeolite. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8821-8833.	8.0	15
15	Single Crystal Growth and Crystal Structure Analysis of Novel Orange-Red Emission Pure Nitride $CaAl_2Si_4N_8:Eu^{2+}$ Phosphor. <i>ACS Omega</i> , 2019, 4, 9939-9945.	3.5	13
16	Phase Transition of Ln_3IrO_7 ($Ln = Pr, Nd, Sm, Eu$) and its Low-Temperature Structure. <i>Journal of the Ceramic Society of Japan</i> , 2007, 115, 577-581.	1.1	12
17	Possibility of Copper-Ion-Exchanged MFI-Type Zeolite as C-H Bond Activation Material for Propane and the Driving Force for Activation. <i>Journal of Physical Chemistry C</i> , 2015, 119, 21483-21496.	3.1	12
18	Structural Characterization and Ion Conductivity of $MCa_2NaNb_4O_{13}$ ($M = Rb, Na$) with Four Units of Perovskite Layer. <i>Journal of the Ceramic Society of Japan</i> , 1993, 101, 980-984.	1.3	11

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19	Removal of Fluoride from Aqueous Solution by Ettringite. Journal of the Ceramic Society of Japan, 2006, 114, 729-732.	1.3	10
20	Synthesis of Li_2SiO_3 using novel water-assisted solid state reaction method. Journal of the Ceramic Society of Japan, 2017, 125, 472-475.	1.1	10
21	Tubular Titanates: Alkali-Metal Ion-Exchange Features and Carbon Dioxide Adsorption at Room Temperature. Industrial & Engineering Chemistry Research, 2019, 58, 5168-5174.	3.7	10
22	Determination of the crystal structure and photoluminescence properties of $\text{NaEu}_x\text{Gd}_{1-x}(\text{MoO}_4)_2$ phosphor synthesized by a water-assisted low-temperature synthesis technique. RSC Advances, 2017, 7, 25089-25094.	3.6	9
23	Nanophosphors synthesized by the water-assisted solid-state reaction (WASSR) method: Luminescence properties and reaction mechanism of the WASSR method. Applied Spectroscopy Reviews, 2018, 53, 177-194.	6.7	9
24	Sol-Gel Synthesis of Long Persistent Phosphor $\text{Sr}_2\text{MgSi}_2\text{O}_7$: Eu, Dy Thin Film. Journal of the Ceramic Society of Japan, 2005, 113, 484-487.	1.3	8
25	Electrochemical Properties of LiFePO_4 Cathode Materials Coated with Newly Developed Carbon Black. Electrochemistry, 2015, 83, 858-860.	1.4	7
26	Combinatorial synthesis of phosphors using arc-imaging furnace. Science and Technology of Advanced Materials, 2011, 12, 054205.	6.1	6
27	Improvement of High Rate Performances for Ti-Doped $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ Cathode Materials. Electrochemistry, 2015, 83, 828-830.	1.4	6
28	Improvement in Electrochemical Performance of LiCoPO_4/C Using Furnace Blacks with High Surface Areas as a Carbon-based Composite Material. Electrochemistry, 2017, 85, 643-646.	1.4	6
29	Luminescence enhancement of LiSrPO_4 : Eu^{2+} phosphor by Mg^{2+} ion addition. Materials Research Innovations, 2019, 23, 359-362.	2.3	6
30	Solid Chemical Reaction by Microwave Heating for the Synthesis of LiFePO_4 Cathode Material. Journal of the Ceramic Society of Japan, 2007, 115, 450-454.	1.3	5
31	Novel green-emitting Ho^{3+} -doped scandate phosphors. Journal of the Ceramic Society of Japan, 2015, 123, 880-883.	1.1	5
32	Synthesis of $\text{Na}_2\text{FePO}_4\text{F}$ using polytetrafluoroethylene. Journal of the Ceramic Society of Japan, 2018, 126, 336-340.	1.1	5
33	Afterglow improvement of high concentration Dy^{3+} co-doped SrAl_2O_4 : Eu^{2+} phosphor prepared by H_3BO_3 free synthesis using melt quenching method. Journal of the Ceramic Society of Japan, 2021, 129, 372-376.	1.1	5
34	Trivalent Ionic Conductivity of Perovskite-Type YTa_3W_2 Electrochemistry, 2000, 68, 504-506.		
35	Synthesis of Phosphor Materials Using Natural Ore "Serpentine" .. Journal of the Ceramic Society of Japan, 2003, 111, 151-154.	1.3	4
36	Synthesis of blue-emitting $(\text{K}_{1-x}\text{Na}_x)\text{Mg}_4(\text{PO}_4)_3$: Eu^{2+} phosphors. Journal of Information Display, 2014, 15, 53-57.	4.0	4

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37	Abnormal improvement in emission of lanthanum oxysulfide phosphor La ₂ O ₂ S:Tb ³⁺ synthesized by a novel method, thermal decomposition in eutectic molten salt. <i>Ceramics International</i> , 2016, 42, 10389-10392.	4.8	4
38	Synthesis of Eu ²⁺ -activated Ba ²⁺ SiO ₄ glass phosphors using melt synthesis technique. <i>Journal of the Ceramic Society of Japan</i> , 2014, 122, 452-455.	1.1	3
39	Synthesis and Luminescent Properties of Novel Ca ₃ Y ₃ Ge ₂ BO ₁₃ :Ln ³⁺ (Ln ³⁺ = Tb ³⁺ and Eu ³⁺) phosphors. <i>Journal of the Ceramic Society of Japan</i> , 2015, 123, 507-511.	1.1	3
40	Porous Lanthanide Metal-Organic Frameworks Using Pyridine-2,4-dicarboxylic Acid as a Linker: Structure, Gas Adsorption, and Luminescence Studies. <i>Inorganic Chemistry</i> , 2021, 60, 17810-17823.	4.0	3
41	Possibility of Superconductivity in a Layered Perovskite Niobate, KCa ₂ Nb ₃ O ₁₀ , Synthesized by an Ion Exchange Reaction. <i>Journal of the Ceramic Society of Japan</i> , 2006, 114, 861-865.	1.3	2
42	Development of an Open-Ended Coaxial Line Probe for Measurement of Dielectric Properties of Inorganic Materials at High Temperature. <i>Journal of the American Ceramic Society</i> , 2006, 89, 2638-2640.	3.8	2
43	A new lanthanum(III) complex containing acetylacetonate and 1 <i>H</i> -imidazole. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 1739-1742.	0.5	2
44	Novel green-emitting copper-doped Cs ₂ ZnCl ₄ synthesized via low-temperature solid-state reaction using a small amount of water. <i>Journal of the Ceramic Society of Japan</i> , 2022, 130, 458-463.	1.1	2
45	CO ₂ Gas Sensor Using the Potassium Ionic Conductor K ₂ O-Sm ₂ O ₃ -6SiO ₂ . <i>Journal of the Ceramic Society of Japan</i> , 1997, 105, 255-257.	1.3	1
46	Synthesis of Phosphor Materials Using Silica Sand. <i>Journal of the Ceramic Society of Japan</i> , 2005, 113, 442-445.	1.3	1
47	Crystal Growth of Silicate Phosphors from the Vapor Phase. <i>IEICE Transactions on Electronics</i> , 2011, E94-C, 1745-1748.	0.6	1
48	Synthesis of Eu ²⁺ -doped A-site and oxygen-deficient perovskite related host for photoluminescent materials. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 2728-2730.	0.8	1
49	On the possibility of polystyrene-derived carbon coating for NASICON-type Na ₃ V ₂ (PO ₄) ₃ composites as cathode materials for sodium-ion batteries. <i>Journal of the Ceramic Society of Japan</i> , 2017, 125, 322-325.	1.1	1
50	Hydrothermal Reaction by Microwave Heating for Synthesis of LiFePO ₄ as Cathode Material. <i>Transactions of the Materials Research Society of Japan</i> , 2010, 35, 397-400.	0.2	1
51	Synthesis Processing for Phosphor Materials. <i>Journal of Smart Processing</i> , 2016, 5, 350-357.	0.1	0
52	Structure of triaquatris(1,1,1-trifluoro-4-oxopentan-2-olato)cerium(III) as a possible fluorescent compound. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 229-232.	0.5	0