

# Shingo Ohta

## List of Publications by Year in descending order

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17  
papers

2,644  
citations

623734

14  
h-index

940533

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

3506  
citing authors

#	ARTICLE	IF	CITATIONS
1	2D van der Waals Inorganic Oxychloride Proton Conductor. ACS Applied Energy Materials, 2022, 5, 5490-5497.	5.1	0
2	Theoretical and Experimental Studies of $\text{KLi}_6\text{TaO}_6$ as a Li-Ion Solid Electrolyte. Inorganic Chemistry, 2021, 60, 10371-10379.	4.0	4
3	Spontaneous formation of a core-shell structure by a lithium ion conductive garnet-type oxide electrolyte for co-sintering with the cathode. Journal of Materials Chemistry A, 2021, 9, 3353-3359.	10.3	7
4	Effect of positive electrode microstructure in all-solid-state lithium-ion battery on high-rate discharge capability. Solid State Ionics, 2020, 344, 115079.	2.7	19
5	$\text{Li}^{+}$ conducting garnet-type oxide sintering triggered by an $\text{H}^{+}/\text{Li}^{+}$ ion-exchange reaction. Journal of Materials Chemistry A, 2020, 8, 8989-8996.	10.3	18
6	Grain Boundary Analysis of the Garnet-Like Oxides $\text{Li}_{7-x}\text{YLa}_3\text{XAXZr}_2\text{YNbYO}_{12}$ ( $\text{A}=\text{Sr}$ or $\text{Ca}$ ). Frontiers in Energy Research, 2016, 4, .	2.3	20
7	Garnet-type $\text{Li}_{6.75}\text{La}_3\text{Zr}_{1.75}\text{Nb}_{0.25}\text{O}_{12}$ synthesized by coprecipitation method and its lithium ion conductivity. Solid State Ionics, 2014, 262, 609-612.	2.7	38
8	Li diffusive behavior of garnet-type oxides studied by muon-spin relaxation and QENS. Solid State Ionics, 2014, 262, 585-588.	2.7	27
9	Co-sinterable lithium garnet-type oxide electrolyte with cathode for all-solid-state lithium ion battery. Journal of Power Sources, 2014, 265, 40-44.	7.8	227
10	All-solid-state lithium ion battery using garnet-type oxide and $\text{Li}_3\text{BO}_3$ solid electrolytes fabricated by screen-printing. Journal of Power Sources, 2013, 238, 53-56.	7.8	338
11	Crystal structure determination of solar cell materials: $\text{Cu}_2\text{ZnSnS}_4$ thin films using X-ray anomalous dispersion. Journal of Alloys and Compounds, 2012, 524, 22-25.	5.5	43
12	Electrochemical performance of an all-solid-state lithium ion battery with garnet-type oxide electrolyte. Journal of Power Sources, 2012, 202, 332-335.	7.8	315
13	High lithium ionic conductivity in the garnet-type oxide $\text{Li}_{7-x}\text{La}_3(\text{Zr}_2\text{X}, \text{NbX})\text{O}_{12}$ ( $\text{X}=\text{O}^{2-}$ ). Journal of Power Sources, 2011, 196, 3342-3345.	7.8	554
14	The effect of Eu substitution on thermoelectric properties of $\text{SrTi}_{0.8}\text{Nb}_{0.2}\text{O}_3$ . Journal of Applied Physics, 2007, 102, 116107.	2.5	38
15	Giant thermoelectric Seebeck coefficient of a two-dimensional electron gas in $\text{SrTiO}_3$ . Nature Materials, 2007, 6, 129-134.	27.5	910
16	Synthesis of an oxygen nonstoichiometric $\text{Sr}_6\text{Co}_5\text{O}_{15}$ phase. Materials Research Bulletin, 2006, 41, 732-739.	5.2	20
17	Reactive Solid-Phase Epitaxial Growth of $\text{Na}_x\text{CoO}_2$ ( $x \sim 0.83$ ) via Lateral Diffusion of Na into a Cobalt Oxide Epitaxial Layer. Crystal Growth and Design, 2005, 5, 25-28.	3.0	66