

# 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  
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all docs

17  
docs citations

17  
times ranked

3506  
citing authors

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