

# Masato Matsubara

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

1,647  
citations

623734

14  
h-index

752698

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1164  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic viscosity recovery of electrospinning solution for stabilizing elongated ultrafine polymer nanofiber by TEMPO-CNF. <i>Scientific Reports</i> , 2020, 10, 13427.	3.3	29
2	Identifying superionic conductors by materials informatics and high-throughput synthesis. <i>Communications Materials</i> , 2020, 1, .	6.9	16
3	Development of a High-Throughput Screening Method for Oxide-Ion Conductors and Its Application to Bismuth-Based Oxide Library Thin Films. <i>ACS Combinatorial Science</i> , 2019, 21, 400-407.	3.8	6
4	Solar Thermal Cogeneration System Using a Cylindrical Thermoelectric Module. <i>Journal of Electronic Materials</i> , 2019, 48, 467-474.	2.2	2
5	Effects of doping IIIB elements (Al, Ga, In) on thermoelectric properties of nanostructured n-type filled skutterudite compounds. <i>Journal of Alloys and Compounds</i> , 2019, 774, 731-738.	5.5	11
6	Cylindrical thermoelectric generator with water heating system for high solar energy conversion efficiency. <i>Applied Energy</i> , 2018, 226, 381-388.	10.1	44
7	Optimization of Filler Elements in CoSb <sub>3</sub> -Based Skutterudites for High-Performance n-Type Thermoelectric Materials. <i>Journal of Electronic Materials</i> , 2016, 45, 1669-1678.	2.2	15
8	Thermoelectric Properties of Off-Stoichiometric Ti-Ni-Sn Half-Heusler Systems. <i>Journal of Electronic Materials</i> , 2012, 41, 1730-1734.	2.2	5
9	Improvement of thermoelectric properties for half-Heusler TiNiSn by interstitial Ni defects. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	79
10	Fabrication of Nanocomposite Thermoelectric Materials by a Pulsed Laser Deposition Method. <i>Journal of Electronic Materials</i> , 2011, 40, 1176-1180.	2.2	4
11	Study of Electronic Structure and Defect Formation in Ti <sub>1-x</sub> Ni <sub>1+x</sub> Sn Half-Heusler Alloys. <i>Journal of Electronic Materials</i> , 2010, 39, 1549-1553.	2.2	10
12	Materials design and development of functional materials for industry. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 064227.	1.8	15
13	Nanostructural characterization of TiNiSn-based half-Heusler compounds. , 2007, , .		0
14	Processing and Piezoelectric Properties of Lead-Free (K,Na) (Nb,Ta) O <sub>3</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , 2005, 88, 1190-1196.	3.8	436
15	Synthesis and Characterization of (K <sub>0.5</sub> Na <sub>0.5</sub> )(Nb <sub>0.7</sub> Ta <sub>0.3</sub> )O <sub>3</sub> Piezoelectric Ceramics Sintered with Sintering Aid K <sub>5.4</sub> Cu <sub>1.3</sub> Ta <sub>10</sub> O <sub>29</sub> . <i>Japanese Journal of Applied Physics</i> , 2005, 44, 6618-6623.	1.5	50
16	Piezoelectric properties of (K <sub>0.5</sub> Na <sub>0.5</sub> )(Nb <sub>1-x</sub> Tax)O <sub>3</sub> ~K <sub>5.4</sub> CuTa <sub>10</sub> O <sub>29</sub> ceramics. <i>Journal of Applied Physics</i> , 2005, 97, 114105.	2.5	356
17	Touch sensor for micromanipulation with pipette using lead-free (K,Na)(Nb,Ta)O <sub>3</sub> piezoelectric ceramics. <i>Journal of Applied Physics</i> , 2005, 98, 094505.	2.5	22
18	Sintering and Piezoelectric Properties of Potassium Sodium Niobate Ceramics with Newly Developed Sintering Aid. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 258-263.	1.5	130

#	ARTICLE	IF	CITATIONS
19	Effect of Li Substitution on the Piezoelectric Properties of Potassium Sodium Niobate Ceramics. Japanese Journal of Applied Physics, 2005, 44, 6136-6142.	1.5	172
20	Sinterability and Piezoelectric Properties of (K,Na)NbO <sub>3</sub> Ceramics with Novel Sintering Aid. Japanese Journal of Applied Physics, 2004, 43, 7159-7163.	1.5	214
21	Jump resonance criteria of nonlinear control systems. IEEE Transactions on Automatic Control, 1966, 11, 699-706.	5.7	31