Masato Matsubara

List of Publications by Year
in descending order

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	Processing and Piezoelectric Properties of Lead-Free (K,Na) (Nb,Ta) O3 Ceramics. Journal of the American Ceramic Society, 2005, 88, 1190-1196.	3.8	436
2	Piezoelectric properties of (K0.5Na0.5)(Nb1â^'xTax)O3â^'K5.4CuTa10O29 ceramics. Journal of Applied Physics, 2005, 97, 114105.	2.5	356
3	Sinterability and Piezoelectric Properties of (K,Na)NbO3Ceramics with Novel Sintering Aid. Japanese Journal of Applied Physics, 2004, 43, 7159-7163.	1.5	214
4	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
5	Sintering and Piezoelectric Properties of Potassium Sodium Niobate Ceramics with Newly Developed Sintering Aid. Japanese Journal of Applied Physics, 2005, 44, 258-263.	1.5	130
6	Improvement of thermoelectric properties for half-Heusler TiNiSn by interstitial Ni defects. Journal of Applied Physics, 2011, 110, .	2.5	79
7	Synthesis and Characterization of (K0.5Na0.5)(Nb0.7Ta0.3)O3Piezoelectric Ceramics Sintered with Sintering Aid K5.4Cu1.3Ta10O29. Japanese Journal of Applied Physics, 2005, 44, 6618-6623.	1.5	50
8	Cylindrical thermoelectric generator with water heating system for high solar energy conversion efficiency. Applied Energy, 2018, 226, 381-388.	10.1	44
9	Jump resonance criteria of nonlinear control systems. IEEE Transactions on Automatic Control, 1966, 11, 699-706.	5.7	31
10	Dynamic viscosity recovery of electrospinning solution for stabilizing elongated ultrafine polymer nanofiber by TEMPO-CNF. Scientific Reports, 2020, 10, 13427.	3.3	29
11	Touch sensor for micromanipulation with pipette using lead-free (K,Na)(Nb,Ta)O3 piezoelectric ceramics. Journal of Applied Physics, 2005, 98, 094505.	2.5	22
12	Identifying superionic conductors by materials informatics and high-throughput synthesis. Communications Materials, 2020, 1, .	6.9	16
13	Materials design and development of functional materials for industry. Journal of Physics Condensed Matter, 2008, 20, 064227.	1.8	15
14	Optimization of Filler Elements in CoSb3-Based Skutterudites for High-Performance n-Type Thermoelectric Materials. Journal of Electronic Materials, 2016, 45, 1669-1678.	2.2	15
15	Effects of doping IIIB elements (Al, Ga, In) on thermoelectric properties of nanostructured n-type filled skutterudite compounds. Journal of Alloys and Compounds, 2019, 774, 731-738.	5.5	11
16	Study of Electronic Structure and Defect Formation in Ti1â^'x Ni1+x Sn Half-Heusler Alloys. Journal of Electronic Materials, 2010, 39, 1549-1553.	2.2	10
17	Development of a High-Throughput Screening Method for Oxide-Ion Conductors and Its Application to Bismuth-Based Oxide Library Thin Films. ACS Combinatorial Science, 2019, 21, 400-407.	3.8	6
18	Thermoelectric Properties of Off-Stoichiometric Ti-Ni-Sn Half-Heusler Systems. Journal of Electronic Materials, 2012, 41, 1730-1734.	2.2	5

#	Article	IF	Citations
19	Fabrication of Nanocomposite Thermoelectric Materials by a Pulsed Laser Deposition Method. Journal of Electronic Materials, 2011, 40, 1176-1180.	2.2	4
20	Solar Thermal Cogeneration System Using a Cylindrical Thermoelectric Module. Journal of Electronic Materials, 2019, 48, 467-474.	2.2	2
21	Nanostructural characterization of TiNiSn-based half-Heusler compounds. , 2007, , .		0