Shoji Kakio

List of Publications by Year
in descending order

34	422	687363 13	794594 19
papers	citations	h-index	g-index

34	34	34	106
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-coupling leaky surface acoustic waves on LiNbO₃or LiTaO₃thin plate bonded to high-velocity substrate. Japanese Journal of Applied Physics, 2017, 56, 07JD13.	1.5	57
2	Loss reduction of longitudinal-type leaky surface acoustic wave by loading with high-velocity thin film. Japanese Journal of Applied Physics, 2014, 53, 07KD04.	1.5	27
3	Lamb-Wave-Type High Frequency Resonator. Japanese Journal of Applied Physics, 2003, 42, 3086-3090.	1.5	25
4	High coupling and highly stable leaky surface acoustic waves on LiTaO₃ thin plate bonded to quartz substrate. Japanese Journal of Applied Physics, 2018, 57, 07LD21.	1.5	24
5	High-performance surface acoustic wave devices using composite substrate structures. Japanese Journal of Applied Physics, 2021, 60, SD0802.	1.5	24
6	Longitudinal leaky surface acoustic wave with low attenuation on LiTaO₃ or LiNbO₃ thin plate bonded to quartz substrate. Japanese Journal of Applied Physics, 2019, 58, SGGC12.	1.5	21
7	Suppression of bulk wave radiation from leaky surface acoustic waves by loading with thin dielectric films. Journal of Applied Physics, 2000, 87, 1440-1447.	2.5	18
8	Longitudinal-Type Leaky Surface Acoustic Wave on LiNbO₃ with High-Velocity Thin Film. Japanese Journal of Applied Physics, 2013, 52, 07HD02.	1.5	17
9	Loss reduction of leaky surface acoustic wave by loading with high-velocity thin film. Japanese Journal of Applied Physics, 2016, 55, 07KD11.	1.5	17
10	Analysis of longitudinal leaky surface acoustic wave propagation characteristics on a piezoelectric ScAlN layer/sapphire or quartz substrate. Japanese Journal of Applied Physics, 2019, 58, SGGC08.	1.5	14
11	Analysis of longitudinal leaky surface acoustic waves on LiNbO₃/amorphous layer/quartz structure. Japanese Journal of Applied Physics, 2020, 59, SKKC12.	1.5	14
12	Fabrication and Evaluation of Highly (110)-Oriented Potassium Niobate Thin Films Prepared by RF-Magnetron Sputtering. Japanese Journal of Applied Physics, 2008, 47, 3802-3806.	1.5	13
13	Love-type surface acoustic wave onYâ€“XLiTaO₃with amorphous Ta₂O₅thin film. Japanese Journal of Applied Physics, 2015, 54, 07HD03.	1.5	13
14	Enhancement of leaky surface acoustic wave harmonics excitation using bonded dissimilar-material structures. Japanese Journal of Applied Physics, 2021, 60, SDDC07.	1.5	13
15	Analysis of leaky surface acoustic wave characteristics propagating on high piezoelectric ScAlN film/high velocity quartz substrate. Japanese Journal of Applied Physics, 2020, 59, SKKC07.	1.5	11
16	Propagation Characteristics of Leaky Surface Acoustic Wave on Proton-Exchanged 36Â°Y-XLiTaO3. Japanese Journal of Applied Physics, 1997, 36, 3064-3067.	1.5	10
17	Fabrication and Evaluation of Highly Oriented Ta2O5Piezoelectric Thin Films Prepared by Radio Frequency Magnetron Sputtering. Japanese Journal of Applied Physics, 2010, 49, 07HB06.	1.5	10
18	Acousto-optic modulators driven by longitudinal leaky surface acoustic waves on LiNbO3 thin-plate bonded structures. Japanese Journal of Applied Physics, 2019, 58, SGGA09.	1.5	10

#	Article	IF	Citations
19	Analysis of leaky surface acoustic waves on LiNbO3 or LiTaO3 thin plate bonded to similar-material substrates. Japanese Journal of Applied Physics, 2020, 59, SKKC01.	1.5	10
20	Leaky-Surface-Acoustic-Wave Properties on Reverse-Proton-Exchanged LiNbO3. Japanese Journal of Applied Physics, 2009, 48, 07GG10.	1.5	9
21	Deposition of Highly Oriented Ta2O5Piezoelectric Thin Films on Silicon for Fabricating Film Bulk Acoustic Resonator Structure by RF Magnetron Sputtering. Japanese Journal of Applied Physics, 2011, 50, 07HD09.	1.5	8
22	Evaluation of piezoelectric Ta2O5thin films deposited on SrTiO3substrates. Japanese Journal of Applied Physics, 2017, 56, 07JD12.	1.5	8
23	Propagation properties of leaky surface acoustic wave on water-loaded LiTaO3/quartz bonded structure. Japanese Journal of Applied Physics, 2020, 59, SKKC04.	1.5	7
24	Increase of electromechanical coupling coefficient k _t ² in (0001)-oriented AlN films by chromium doping. Japanese Journal of Applied Physics, 2021, 60, SDDC08.	1.5	7
25	Propagation characteristics of longitudinal-type leaky surface acoustic wave on layered structure consisting of ScxAl1â^'xN film/LiNbO3substrate. Japanese Journal of Applied Physics, 2018, 57, 07LD06.	1.5	6
26	Evaluation of Piezoelectric Ta₂O₅ Thin Films Deposited on Sapphire Substrates. Japanese Journal of Applied Physics, 2013, 52, 07HD06.	1.5	5
27	Power transmission characteristics of EWC-SPUDT SAW filters fabricated for multiplex transmission system of inverter gate drive circuits. Japanese Journal of Applied Physics, 2020, 59, SKKC05.	1.5	4
28	Analysis of leaky surface acoustic waves on quartz thin plates bonded to similar-material substrate. Japanese Journal of Applied Physics, 2021, 60, SDDC04.	1.5	4
29	Loss Reduction of Longitudinal-Type Leaky Surface Acoustic Wave by Reverse Proton Exchange. Japanese Journal of Applied Physics, 2012, 51, 07GC17.	1.5	4
30	Analysis of longitudinal leaky surface acoustic waves on quartz thin plate bonded to similar-material substrate. Japanese Journal of Applied Physics, 0, , .	1.5	4
31	Analysis of propagation characteristics of Rayleigh surface acoustic waves on Yb_{0.33}Al_{0.67}N piezoelectric films/high-velocity substrates. Japanese Journal of Applied Physics, 2022, 61, SG1014.	1.5	3
32	Deposition and evaluation of Ta₂O₅ piezoelectric thin film on Pt crystal film. Japanese Journal of Applied Physics, 2022, 61, SG1076.	1.5	2
33	Enhancement of coupling factor in 0th to 4th mode Rayleigh surface acoustic waves on polarity inverted multilayered ScAlN film/AlN and BN substrates. Japanese Journal of Applied Physics, 2022, 61, SG1059.	1.5	2
34	Evaluation of bulk and surface acoustic waves propagation properties of (K,Na)NbO₃ films deposited by hydrothermal synthesis or RF magnetron sputtering methods. Japanese Journal of Applied Physics, 2022, 61, SG1077.	1.5	1