Michio Kadota

List of Publications by Year
in descending order

80 papers	1,676 citations	304743 22 h-index	330143 37 g-index
80 all docs	80 docs citations	80 times ranked	463 citing authors

#	Article	IF	Citations
1	3.4 GHz strip-type thickness shear mode solidly-mounted bulk acoustic wave resonator using X-cut LiTaO₃. Japanese Journal of Applied Physics, 2022, 61, SG1041.	1.5	10
2	Surface Acoustic Wave Resonators With Hetero Acoustic Layer (HAL) Structure Using Lithium Tantalate and Quartz. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 1955-1964.	3.0	45
3	A solidly mounted, high frequency, thickness shear mode bulk acoustic wave resonator using X-LiTaO₃ thin plate and SiO₂/Ta multilayer acoustic films. Japanese Journal of Applied Physics, 2021, 60, SDDC11.	1.5	15
4	Eight Channels of Passive Wireless SAW Temperature Sensors for Specific Low Power Wireless Station. IEEJ Transactions on Sensors and Micromachines, 2021, 141, 90-95.	0.1	0
5	2â€“8 GHz Range High Harmonic SAW Resonator with Grooved Electrodes in LiNbO₃. , 2021, , .		3
6	SH1Mode Plate Wave Resonator on LiTaO3 Thin Plate with Phase Velocity over 13,000 m/s. , 2021, , .		3
7	Low Velocity HAL SAW Resonator Using LiNbO₃ Thin Plate on Quartz Substrate. , 2021, , .		3
8	A spurious-free, steep band rejection filter using a LiTaO₃/quartz heteroacoustic layer surface acoustic wave resonator. Japanese Journal of Applied Physics, 2020, 59, SKKC11.	1.5	24
9	High frequency thickness expansion mode bulk acoustic wave resonator using LN single crystal thin plate. Japanese Journal of Applied Physics, 2020, 59, 036506.	1.5	26
10	High Frequency Solidly Mounted Resonator Using LN Single Crystal Thin Plate. , 2020, , .		8
11	High Frequency Strip-Type Solidly-Mounted Shear Mode Bulk Wave Resonator Using X-LT. , 2020, , .		6
12	High-Frequency Resonator Using A₁ Lamb Wave Mode in LiTaO₃ Plate. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 1529-1535.	3.0	33
13	Capability of LiTaO₃/Quartz HAL SAW Resonators Confirmed by Simulation and Measurement. , 2019, , .		7
14	Passive Wireless SAW Temperature Sensor System Specified Low-Power Radio Stations. IEEJ Transactions on Sensors and Micromachines, 2019, 139, 103-108.	0.1	0
15	Suprious-Free, Near-Zero-TCF Hetero Acoustic Layer (HAL)SAW Resonators Using LiTaO₃ Thin Plate on Quartz. , 2018, , .		25
16	Investigation of Material Constants of CaTiO3 Doped (K,Na)NbO3 Film by MEMS-Based Test Elements. Micromachines, 2018, 9, 558.	2.9	1
17	Wideband acoustic wave resonators composed of hetero acoustic layer structure. Japanese Journal of Applied Physics, 2018, 57, 07LD12.	1.5	80
18	Improved quality factor of hetero acoustic layer (HAL) SAW resonator combining LiTaO<inf>3</inf> thin plate and quartz substrate. , 2017, , .		12

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19	Tunable rejection filters with ultra-wideband using zeroth shear mode plate wave resonators. Japanese Journal of Applied Physics, 2017, 56, 07JD01.	1.5	7
20	HAL SAW resonators using LiTaO<inf>3</inf> thin plate on quartz substrate. , 2017, , .		8
21	Improved quality factor of Hetero Acoustic Layer (HAL) SAW resonator combining LiTaO₃ thin plate and quartz substrate. , 2017, , .		27
22	Solidly mounted resonator using shear horizontal mode plate wave in LiNbO3 plate. , 2016, , .		11
23	High velocity lamb waves in LiTaO3 thin plate for high frequency filters. , 2016, , .		1
24	Lamb wave resonators and resonator filters in periodical poled Z-cut LiTaO<inf>3</inf> plate. , 2016, , .		0
25	Solidly mounted ladder filter using shear horizontal wave in LiNbO<inf>3</inf>. , 2016, , .		8
26	Plasma half dicing based on micro-loading effect for ultra-thin LiNbO<inf>3</inf> plate wave devices on Si substrate. , 2016, , .		0
27	First shear horizontal mode plate wave in LiNbO<inf>3</inf> showing 20 km/s phase velocity. , 2015, , .		2
28	Wideband ladder filters fully covering digital TV band based on shear horizontal plate wave. , 2015, , .		3
29	Moving Tunable Filters Forward: A "Heterointegration" Research Project for Tunable Filters Combining MEMS and RF SAW/BAW Technologies. IEEE Microwave Magazine, 2015, 16, 89-97.	0.8	20
30	Ultra-wideband ladder filter using SH₀ plate wave in thin LiNbO₃ plate and its application to tunable filter. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2015, 62, 939-946.	3.0	28
31	Ultrawide band ladder filter using SH<inf>0</inf> plate wave in thin LiNbO<inf>3</inf> plate and its application. , 2014, , .		2
32	Ultra-wideband and high frequency resonators using shear horizontal type plate wave in LiNbO₃thin plate. Japanese Journal of Applied Physics, 2014, 53, 07KD03.	1.5	48
33	Tunable filters using wideband elastic resonators. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 2129-2136.	3.0	33
34	Quartz Crystal Microbalance (QCM) Sensor for NH₃ Gas with the Compensation of the Humidity Drift. IEEJ Transactions on Sensors and Micromachines, 2013, 133, 184-189.	0.1	2
35	Band-Pass-Type Tunable Filter Using Surface Acoustic Wave Resonator Composed of Grooved Cu Electrodes on LiNbO₃. Japanese Journal of Applied Physics, 2012, 51, 07GC14.	1.5	13
36	5.4 GHz Lamb Wave Resonator on LiNbO₃ Thin Crystal Plate and Its Application. Japanese Journal of Applied Physics, 2011, 50, 07HD11.	1.5	53

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37	Ultra Wide Band SAW Resonator Composed of Grooved Cu Electrodes and its Application to Tunable Filters. IEEJ Transactions on Electronics, Information and Systems, 2011, 131, 1108-1114.	0.2	16
38	Properties of LiNbO₃Thin Film Deposited by Chemical Vapor Deposition and Frequency Characteristics of Film Bulk Acoustic Wave Resonator. Japanese Journal of Applied Physics, 2011, 50, 07HD10.	1.5	10
39	5.4 GHz Lamb Wave Resonator on LiNbO₃Thin Crystal Plate and Its Application. Japanese Journal of Applied Physics, 2011, 50, 07HD11.	1.5	33
40	Improvement of Characteristics of Leaky Surface Acoustic Wave on LiTaO3. IEEJ Transactions on Electronics, Information and Systems, 2011, 131, 1115-1119.	0.2	2
41	Characteristic of LiTaO₃ Film Growth by Chemical Vapor Deposition. IEEJ Transactions on Electronics, Information and Systems, 2011, 131, 1188-1189.	0.2	1
42	High-frequency lamb wave device composed of MEMS structure using LiNbO₃ thin film and air gap. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 2564-2571.	3.0	90
43	Surface Acoustic Wave Duplexer Composed of SiO₂/Cu Electrode/LiNbO₃Structure Having Convex and Concave Portions. Japanese Journal of Applied Physics, 2009, 48, 07GG02.	1.5	15
44	High-Frequency Surface Acoustic Wave Resonator Filter Composed of ZnO/High-Density Electrode/Quartz Structure. Japanese Journal of Applied Physics, 2009, 48, 07GG03.	1.5	9
45	High-Frequency Lamb Wave Device Composed of LiNbO₃Thin Film. Japanese Journal of Applied Physics, 2009, 48, 07GG08.	1.5	40
46	Improvement of Shape Factor and Loss of Surface Acoustic Wave Resonator Filter Composed of SiO2/High-Density-Electrode/LiTaO3. Japanese Journal of Applied Physics, 2009, 48, 07GG05.	1.5	8
47	Acoustooptic Device Applied to Strain Sensing System with Compensated Temperature Characteristics. Japanese Journal of Applied Physics, 2008, 47, 3988-3991.	1.5	12
48	Radio Frequency Surface Acoustic Wave Filter Having Narrow Bandwidth and Excellent Temperature Characteristic. Japanese Journal of Applied Physics, 2008, 47, 4101-4103.	1.5	9
49	Growth of <1ar100> Epitaxial ZnO Film onY-Plane LiNbO3Substrate. Japanese Journal of Applied Physics, 2008, 47, 4104-4107.	1.5	10
50	Smaller Surface Acoustic Wave Duplexer for US Personal Communication Service Having Good Temperature Characteristics. Japanese Journal of Applied Physics, 2007, 46, 4760.	1.5	90
51	Application of Acoustooptic Tunable Filter to Strain- or Vibration-Sensing System. Japanese Journal of Applied Physics, 2007, 46, 4633-4635.	1.5	10
52	High-Frequency Edge Reflection Type Resonators with Excellent Temperature Characteristics. Japanese Journal of Applied Physics, 2007, 46, 4749.	1.5	16
53	Small Surface Acoustic Wave Duplexer for Wide-Band Code-Division Multiple Access Full-Band System Having Good Temperature Characteristics. Japanese Journal of Applied Physics, 2007, 46, 4714.	1.5	98
54	SiO2/Grooved Al Electrode/LiTaO3and Edge-Reflection Surface Acoustic Wave Structures Having Large Reflection Coefficient, Large Coupling Factor, and Excellent Temperature Characteristic Even If Al Electrodes Are Used. Japanese Journal of Applied Physics, 2006, 45, 4647-4650.	1.5	19

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55	SAW substrate for Duplexer with Excellent Temperature Characteristics and Large Reflection Coefficient realized by using Flattened SiO2 Film and Thick Heavy Metal Film. , 2006, , .		18
56	Surface Acoustic Wave Duplexer for US Personal Communication Services with Good Temperature Characteristics. Japanese Journal of Applied Physics, 2005, 44, 4527-4531.	1.5	88
57	Development of Substrate Structures and Processes for Practical Applications of Various Surface Acoustic Wave Devices. Japanese Journal of Applied Physics, 2005, 44, 4285-4291.	1.5	105
58	Low Loss Intermediate-Frequency Resonator Filter Using Shear Horizontal Type Leaky Surface Acoustic Wave on Î±-Phase Heavy Metal Film/Quartz. Japanese Journal of Applied Physics, 2004, 43, 3047-3049.	1.5	5
59	Small and low-loss IF SAW filters using zinc oxide film on quartz substrate. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 464-469.	3.0	17
60	Small and Low-Loss Intermediate Frequency Surface Acoustic Wave Filters Using Zinc Oxide Film on Quartz Substrate. Japanese Journal of Applied Physics, 2003, 42, 3139-3142.	1.5	17
61	Shear Bulk Wave Transducer Made of (11ar20)-Plane Epitaxial ZnO Film on R-Sapphire. Japanese Journal of Applied Physics, 2002, 41, 3281-3284.	1.5	32
62	Longitudinally Coupled Resonator Filter Using Edge Reflection of Bleustein-Gulyaev-Shimizu and Shear Horizontal Waves with Various Bandwidths Realized by Selecting Substrates. Japanese Journal of Applied Physics, 2001, 40, 3722-3725.	1.5	14
63	Very Small-Sized Resonator Filter Using Shear Horizontal Wave on Quartz. Japanese Journal of Applied Physics, 2001, 40, 3718-3721.	1.5	33
64	Determination of the Polarities of ZnO Thin Films on Polar and Nonpolar Substrates Using Scanning Nonlinear Dielectric Microscopy. Japanese Journal of Applied Physics, 2000, 39, 3121-3124.	1.5	21
65	Transversely Coupled Resonator Filters Utilizing Reflection of Bleustein-Gulyaev-Shimizu Wave at Free Edges of Substrate. Japanese Journal of Applied Physics, 2000, 39, 3045-3048.	1.5	17
66	Properties of Leaky, Leaky Pseudo, and Rayleigh Surface Acoustic Waves on Various Rotated Y-cut Langasite Crystal Substrates. Japanese Journal of Applied Physics, 1999, 38, 3288-3292.	1.5	38
67	Piezoelectric Properties of ZnO Films on a Sapphire Substrate Deposited by an RF-Magnetron-Mode ECR Sputtering System. Japanese Journal of Applied Physics, 1998, 37, 2923-2926.	1.5	35
68	Surface Acoustic Wave Characteristics of a ZnO/Quartz Substrate Structure Having a Large Electromechanical Coupling Factor and a Small Temperature Coefficient. Japanese Journal of Applied Physics, 1997, 36, 3076-3080.	1.5	64
69	Properties of zinc oxide films deposited by a radioâ€frequency magnetron mode electron cyclotron resonance sputtering system. Electronics and Communications in Japan, 1996, 79, 61-68.	0.2	0
70	A Bleustein-Gulyaev-Shimizu Wave Resonator with 2 or 3 Resonances for Double Traps in TV and VCR (VTR). Japanese Journal of Applied Physics, 1996, 35, 3020-3023.	1.5	1
71	Surface Acoustic Wave Characteristics on ZnO/mbYZÂ·LiNbO3Structure and Their Application to Elastic Convolver. Japanese Journal of Applied Physics, 1995, 34, 2698-2701.	1.5	10
72	Control of Nonlinear Piezoelectricity and Its Application to Efficiency Improvement of Surface Acoustic Wave Elastic Convolver. Japanese Journal of Applied Physics, 1994, 33, 3031-3034.	1.5	0

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73	Evaluation of Piezoelectric Ceramic Substrates for Ultrasonic Bulk Wave Filters and Resonators Using Pulse Interference Method. Japanese Journal of Applied Physics, 1994, 33, 3212-3216.	1.5	1
74	Characteristics of Zinc Oxide Films on Glass Substrates Deposited by RF-Mode Electron Cyclotron Resonance Sputtering System. Japanese Journal of Applied Physics, 1993, 32, 2341-2345.	1.5	33
75	Influences and Reduction of the Stress caused at Edges of ZnO Film on the Glass Substrate for SAW Device. IEEJ Transactions on Electronics, Information and Systems, 1993, 113, 85-90.	0.2	3
76	Piezoelectric Characteristics of ZnO Films Deposited Using an Electron Cyclotron Resonance Sputtering System. Japanese Journal of Applied Physics, 1992, 31, 3013-3016.	1.5	29
77	Ceramic Resonators Using BGS Waves. Japanese Journal of Applied Physics, 1992, 31, 219.	1.5	15
78	Evaluation of Glass Substrates for SAW Filters by Acoustic Microscopy Technique. IEEJ Transactions on Electronics, Information and Systems, 1991, 111, 412-418.	0.2	5
79	Frequency Trimming of ZnO/Glass SAW Filters. Japanese Journal of Applied Physics, 1991, 30, 179.	1.5	8
80	The Polishing Effect of ZnO Thin Films on SAW Filters. Japanese Journal of Applied Physics, 1990, 29, 159.	1.5	12