

Benfeng Zhang

List of Publications by Year in descending order

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23
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citing authors

#	ARTICLE	IF	CITATIONS
1	Use of Hierarchical Cascading Technique for FEM Analysis of Transverse-Mode Behaviors in Surface Acoustic-Wave Devices. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 1920-1926.	3.0	27
2	Application of hierarchical cascading technique to finite element method simulation in bulk acoustic wave devices. Japanese Journal of Applied Physics, 2018, 57, 07LC08.	1.5	17
3	Model parameter extraction for obliquely propagating surface acoustic waves in infinitely long grating structures. Japanese Journal of Applied Physics, 2016, 55, 07KD08.	1.5	15
4	Modeling and Analysis of Lateral Propagation of Surface Acoustic Waves Including Coupling Between Different Waves. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 1354-1360.	3.0	10
5	Traveling wave excitation sources for FEM analysis of scattering in acoustic waveguide. Microsystem Technologies, 2019, 25, 2783-2792.	2.0	8
6	Influence of Coupling Between Rayleigh and SH SAWs on Rotated LiNbO_3 Cut LiNbO_3 to Their Propagations. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 1905-1913.	3.0	7
7	Impact of Coupling Between Multiple SAW Modes on Piston Mode Operation of SAW Resonators. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 1062-1068.	3.0	7
8	Transverse Modes in Temperature Compensated Surface Acoustic Wave Devices. , 2018, , .		6
9	Use of double-raised-border structure for quality factor enhancement of type II piston mode FBAR. Microsystem Technologies, 2018, 24, 2991-2997.	2.0	6
10	Analysis of SAW Scattering With Discontinuous Periodic Gratings Using Travelling Wave Excitation and Hierarchical Cascading Technique. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 1255-1263.	3.0	6
11	Use of Hierarchical Cascading Technique for FEM Analysis of Transverse Mode Behaviors in Surface Acoustic Wave Devices. , 2018, , .		5
12	Analysis of SAW Scattering at Discontinuity Between Periodic Gratings Using Travelling Wave Excitation and Hierarchical Cascading Technique. , 2018, , .		4
13	Modeling of lateral SAW propagation including coupling between different SAW modes. , 2016, , .		3
14	Parameter extraction of coupling-of-modes equations including coupling between two surface acoustic waves on $\text{SiO}_2/\text{Cu}/\text{LiNbO}_3$ structures. Japanese Journal of Applied Physics, 2018, 57, 07LD13.	1.5	3
15	Frequency domain FEM analysis of reflector scattering characteristics for SAW tags. , 2016, , .		2
16	Influence of coupling between Rayleigh and SH SAWs on rotated Y-cut LiNbO_3 to their electromechanical coupling factor. , 2017, , .		2
17	Wavenumber domain analysis of surface acoustic wave scattering from localized gratings on layered piezoelectric substrate. Ultrasonics, 2018, 88, 131-136.	3.9	2
18	FEM -Based Estimation of SAW Power Flow Angle in Periodic Gratings. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	Traveling wave excitation for FEM simulation of RF SAW/BAW devices. , 2017, , .		1
20	Impact of coupling between multiple SAW modes on piston mode operation of SAW resonators. , 2017, , .		0
21	A new threshold determination algorithm for SAW resonant sensors. , 2017, , .		0
22	Model parameter extraction of lateral propagating surface acoustic waves with coupling on SiO ₂ /grating/LiNbO ₃ structure. Japanese Journal of Applied Physics, 2018, 57, 07LD04.	1.5	0