

PUBLICATIONS (1971 – 2014):

<u>#</u>	<u>YEAR</u>	<u>TITLE and AUTHORS</u>	<u>PUBLISHER</u>
1.	1971	“Trapping Theory for InSb Thin Films,” L.A. Coldren	<i>Applied Physics Letters</i> , 18 , pp. 319-321
2.	1971	“Monolithic Acoustic Surface Wave Amplifier,” L.A. Coldren and G.S. Kino	<i>Applied Physics Letters</i> , 18 , pp. 317-319
3.	1973	“Optimizing Loss-Compensated Long Delay Devices,” L.A. Coldren	<i>IEEE Trans. Sonics and Ultrasonics</i> , SU-20 , 17-23
4.	1973	“A CW Monolithic Acoustic Surface Wave Amplifier Incorporated in a $\Delta v/v$ Waveguide,” L.A. Coldren and G.S. Kino	<i>Applied Physics Letters</i> , 23 , pp. 117-118
5.	1973	“Noise Figure Calculations for the Raleigh Wave Amplifier,” G.S. Kino and L.A. Coldren	<i>Applied Physics Letters</i> , 22 , pp. 50-52
6.	1973	“Acoustic Surface Wave $\Delta v/v$ Waveguides on Anisotropic Substrates,” L.A. Coldren and R.V. Schmidt	<i>Applied Physics Letters</i> , 22 , pp. 482-483
7.	1974	“The InSb on Piezoelectric Rayleigh Wave Amplifier,” L.A. Coldren and G.S. Kino	<i>IEEE Trans. Elect. Dev.</i> , ED-21 , pp. 421-427
8.	1974	“Acoustic Surface Wave Slot Waveguides on Bi ₁₂ GeO ₂₀ ,” L.A. Coldren and R.V. Schmidt	<i>IEEE Trans. Sonics and Ultrasonics</i> , SU-21 , pp. 128-130
9.	1974	“Interior-Surface Acoustic Waveguiding in Capillaries,” R.L. Rosenberg, R.V. Schmidt, and L.A. Coldren	<i>Applied Physics Letters</i> , 25 , pp. 324-326
10.	1974	“An Acoustic Surface Wave Analog-to-Digital Converter,” G.L. Baldwin and L.A. Coldren	<i>Electronics Letters</i> , 10 , pp. 225-227
11.	1974	“Rayleigh Wave Guidance Using Anisotropic Topographic Structures,” L.A. Coldren	<i>Applied Physics Letters</i> , 25 , pp. 367-370
12.	1974	“The Effect of Bias Field in a Zinc Oxide on Silicon Acoustic Convolver,” L.A. Coldren	<i>Applied Physics Letters</i> , 25 , pp. 473-475
13.	1975	“Thin Film Acoustic Waveguides of Arbitrary Cross-Section,” L. A. Coldren and D.H. Smithgall	<i>IEEE Trans. Sonics and Ultrasonics</i> , SU-22 , pp. 123-130
14.	1975	“Thin Film Acoustic Surface Waveguides on Anisotropic Media,” R.V. Schmidt and L.A. Coldren	<i>IEEE Trans. Sonics and Ultrasonics</i> , SU-22 , pp. 115-122
15.	1975	“Acoustic Waveguide with a Cladded Core Geometry,” G.D. Boyd, L.A. Coldren, and R.N. Thurston	<i>Applied Physics Letters</i> , 26 , pp. 31-34

16. 1975 "Zinc Oxide on Silicon Memory Cells Scanned by Acoustic Surface Waves," L.A. Coldren *Applied Physics Letters*, **26**, pp. 137-139
17. 1975 "Zinc Oxide-on-Silicon Acoustically Scanned Imager with Positive Sensitivity and Storage Capabilities," L.A. Coldren *Applied Physics Letters*, **27**, pp. 6-8, (1975)
18. 1975 "Large Time-Bandwidth Guided Wave Channels on Wrap-Around Acoustic Surface Wave Delay Lines," L.A. Coldren *Wave Elec.*, **1**, pp. 177-186, (1975)
19. 1976 "Stiffness Matrix and Debye Temperature of ReO₃ from Ultrasonic Measurements," T.P. Pearsall and L.A. Coldren *Solid State Comm.*, **18**, pp. 1093-1096, (1976)
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21. 1976 "Review: Acoustic Fields and Waves in Solids: Two Volumes," L.A. Coldren and B.A. Auld *IEEE Trans. Sonics and Ultrasonics*, **SU-23**, (3), pp. 184, (May 1976)
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