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Lithium niobate: Summary of physical properties and crystal structure

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1293	Liquid micro-lens array activated by selective electrowetting on lithium niobate substrates. 2008 , 16, 8084		
1292	Novel electrostatic mechanism in the thermal instability of z-cut LiNbO ₃ interferometers. 1986 , 49, 1221-1223	38	
1291	Classified index of subjects and authors. 1986 , 40, 171-226		
1290	Vibrational spectra of the ilmenite modifications of LiNbO ₃ and NaNbO ₃ . 1986 , 5, 671-672		16
1289	Ferroelectric microdomain reversal at room temperature in lithium niobate. <i>Journal of Applied Physics</i> , 1987 , 62, 231-236	2.5	18
1288	Lithium Niobate Packaging Challenges. 1987 , 108, 431		
1287	Rigorous three-dimensional coupled-wave diffraction analysis of single and cascaded anisotropic gratings. 1987 , 4, 2061		93
1286	Electrooptic Fabry-Perot filter: development for the study of solar oscillations. 1987 , 26, 2637-42		13
1285	Concentration dependence of the octahedral Ti ⁴⁺ center in LiNbO ₃ : Its effect on refractive indices. 1987 , 59, 1950-1953		25
1284	Characterization of frequency dispersion in Ti-indiffused lithium niobate optical devices. 1987 , 51, 716-718		24
1283	Improved Accuracy for Determining SAW Transducer Capacitance and K ₂ . 1987 ,		0
1282	. 1987 ,		3
1281	Electric field, permittivity, and strain distributions induced by interdigitated electrodes on electrooptic waveguides. 1987 , 5, 668-683		13
1280	Integrated optic strip waveguide phase modulator driven by a SAW. 1987 , 5, 218-228		6
1279	Extraordinary versus ordinary refractive index change in planar LiNbO ₃ :Ti waveguides. 1988 , 108, 449-455		7

1278	Electronic structure of an oxygen vacancy in lithium niobate. 1988 , 37, 8394-8400	31
1277	Optical-Guided-Wave Modulators. 1988 , 13, 21-23	4
1276	Microphotometric investigation of fixed holograms. 1988 , 21, 1556-1565	31
1275	Ion Implantation of KnbO_3 and LiNbO_3 at Elevated Temperatures. 1988 , 128, 719	1
1274	A Model for the Optical Properties of Reduced Congruent Lithium Niobate. 1988 , 138, 161	
1273	A theoretical analysis of third-order nonlinear optical properties of linear polyenes and benzene. 1989 , 91, 791-811	195
1272	Epitaxial growth of $\text{YBa}_2\text{Cu}_3\text{O}_7$ thin films on LiNbO_3 substrates. 1989 , 55, 1261-1263	34
1271	A simple new method for the determination of the Li/Nb ratio of LiNbO_3 crystals. 1989 , 10, 133-139	13
1270	Photorefractive effects in waveguides. 1989 , 45-100	6
1269	Sites of Fe^{3+} impurities in a congruent LiTaO_3 crystal. 1989 , 1, 3591-3600	33
1268	Ti-indiffused LiNbO_3 optical waveguides: A range of different technologies. 1989 , 23, 408-415	
1267	SIMS investigations of titanium profiles in LiNbO_3 produced by ion beam mixing and diffusion. 1989 , 333, 485-487	4
1266	Observation of laser-induced parallel ridges in Y-cut lithium niobate crystals. 1989 , 8, 971-973	
1265	Depth profiling of magnesium- and titanium-doped LiNbO_3 waveguides. 1989 , 175, 235-239	5
1264	A new trapped-hole center in irradiated LiNbO_3 . 1989 , 50, 1003-1007	14
1263	Linear dichroism of LiNbO_3 and LiTaO_3 crystals in a transparent region. 1989 , 50, 431-434	1
1262	Ferroelectricity in perovskitelike NaCaF_3 predicted ab initio. 1989 , 39, 9738-9741	36
1261	. 1989 , 7, 533-539	25

1260	Grain-Oriented Lithium Niobate Thin-Layers Prepared by Sol-Gel Methods. 1990 , 200, 19		7
1259	UV Laser Ablation of Ferroelectrics. 1990 , 201, 507		1
1258	Neutron diffraction by laser-generated volume phase gratings. 1990 , 81, 365-369		6
1257	Space charge field limitations in photorefractive LiNbO ₃ :Fe crystals. 1990 , 51, 364-370		23
1256	Optical absorption and electron paramagnetic resonance studies of chemically reduced congruent lithium niobate. 1990 , 51, 407-415		33
1255	Non-collinear acousto-electro-optic tunable filter configurations in LiNbO ₃ /sub 3/.		
1254	Deposition and physical characterization of thin films of lithium niobate on silicon substrates. <i>Journal of Applied Physics</i> , 1990 , 68, 2989-2991	2.5	32
1253	The spontaneous polarization as evidence for lithium disordering in LiNbO ₃ . 1990 , 5, 1933-1939		15
1252	. 1990 , 8, 42-50		16
1251	Theoretical study of the anisotropic diffraction of light waves by acoustic waves in lithium niobate crystals. 1990 , 29, 1312-6		
1250	Three-dimensional (vector) rigorous coupled-wave analysis of anisotropic grating diffraction. 1990 , 7, 1399		67
1249	.		1
1248	Production of Molecular Clusters of Lithium Niobate by Ultraviolet and Visible Laser Ablation. 1991 , 243, 405		
1247	Active Waveguides in LiNbO ₃ . 1991 , 244, 295		1
1246	Segmented proton exchange waveguide on LiNbO ₃ for SHG using simultaneous modulation of the indices and nonlinear coefficients. 1991 , 244, 317		
1245	Ion beam modification of electro-optical crystals. 1991 , 59-60, 1142-1146		8
1244	.		1
1243	Study of Photoconductivity in LiNbO ₃ : Mg+Ti Single Crystals. 1991 , 125, K35-K37		4

1242	Dielectric Relaxation Process and Pyroelectric Currents in LiNbO ₃ : Fe Single Crystals. 1991 , 125, 723-729		14
1241	TEM Observation of Plastically Induced Dislocations in Lithium Niobate LiNbO ₃ Single Crystals. 1991 , 128, 45-53		6
1240	Travelling wave drift mobility measurements of photoexcited carriers in a-Si:H at low temperatures. 1991 , 63, 57-63		5
1239	Analysis of a first-order reflection grating with second-harmonic generation. <i>Journal of Applied Physics</i> , 1991 , 69, 1201-1204	2.5	4
1238	Investigation of the absorption of Ti ³⁺ in LiNbO ₃ by means of optical detection of magnetic resonance (ODMR). 1991 , 119-121, 571-576		3
1237	. 1992 , 10, 163-168		7
1236	Lattice disorder in LiNbO ₃ crystals induced by MeV Cu ⁺ implantation. <i>Journal of Applied Physics</i> , 1992 , 72, 899-903	2.5	15
1235	Drift mobility of amorphous semiconductors measured by the traveling-wave technique. 1992 , 45, 4089-4112		8
1234	Raman scattering of proton exchanged LiNbO ₃ waveguides. 1992 , 25, 106-112		21
1233	Laser Deposited Epitaxial Oxide Heterostructures as Prototype Ferroelectric Optical Waveguides. 1992 , 285, 355		5
1232	Influence of H-D isotopic substitution on the protonic conductivity of LiNbO ₃ . 1992 , 45, 2786-2799		113
1231	. 1992 , 4, 872-875		9
1230	Deposition and analysis of lithium niobate and other lithium niobium oxides by rf magnetron sputtering. <i>Journal of Applied Physics</i> , 1992 , 72, 4336-4343	2.5	62
1229	Beam diameter threshold for polarization conversion photoinduced by spatially oscillating bulk photovoltaic currents in LiNbO ₃ : Fe. 1992 , 9, 1714		11
1228	Transfer function for image formation of objects reconstructed from volume holograms with different wavelengths. 1992 , 31, 2461-77		12
1227	Low-energy ion-beam processing damage in lithium niobate surface-acoustic-wave optical waveguide devices and its post-manufacture removal. 1992 , 27, 3637-3641		3
1226	Cr ³⁺ centres in LiNbO ₃ : Experimental and theoretical investigation of spin hamiltonian parameters. 1993 , 87, 245-249		35
1225	Fano effect for pairs of impurity ions in solids. <i>Optical Materials</i> , 1993 , 2, 217-224	3.3	

1224	Analysis of diffusion in lithium niobate. 1993 , 28, 302-315		81
1223	Concentration and refractive index profiles of titanium- and iron-diffused planar LiNbO ₃ waveguides. 1993 , 139, 241-248		19
1222	. 1993 , 28, 136-142		4
1221	Low temperature synthesis and properties of lithium niobate thin films. 1993 , 63, 1331-1333		31
1220	Low-loss thin-film LiNbO(3) optical waveguide sputtered onto a SiO(2)/Si substrate. 1993 , 18, 811-3		40
1219	X-ray diffraction analysis of Ti-diffused single-crystal LiNbO ₃ . 1993 , 191, 15-19		
1218	Epitaxial MgO on GaAs(111) as a buffer layer for z-cut epitaxial lithium niobate. 1993 , 63, 1029-1031		71
1217	.		
1216	Radiation damage behavior of LiNbO ₃ crystal by MeV F ion implantation. <i>Journal of Applied Physics</i> , 1993 , 74, 1625-1628	2.5	9
1215	Epitaxial growth of lithium niobate thin films from a single-source organometallic precursor using metalorganic chemical vapor deposition. 1993 , 62, 946-948		65
1214	The influence of water of hydrolysis on microstructural development in sol-gel derived LiNbO ₃ thin films. 1993 , 8, 2668-2678		33
1213	Spatial visualization of domains in lithium niobate crystals. 1993 , 145, 163-180		10
1212	Synchrotron radiation topographic study of Ti-diffused and proton-exchanged LiNbO ₃ single crystals. 1993 , 26, A69-A72		2
1211	Superposition model and crystal-field analysis of the 4A ₂ and 2E states of Cr ³⁺ ions at C ₃ sites in LiNbO ₃ . 1993 , 5, 6221-6230		36
1210	Distortion-free, calibrated LiNbO ₃ piezos scanner for probe microscopes with atomic resolution. 1993 , 64, 3534-3537		7
1209	Evidence of refractive index change by Ti indiffusion into LiNbO ₃ substrate as a result of multipulse free-running ruby laser irradiation. <i>Journal of Applied Physics</i> , 1993 , 74, 24-30	2.5	3
1208	Improved solid phase epitaxial growth of lithium tantalate thin films on sapphire, using a two-step metalorganic chemical-vapor deposition process. 1993 , 63, 2649-2651		22
1207	Solid-phase epitaxial growth of lithium tantalate thin films deposited by spray-metalorganic chemical vapor deposition. 1993 , 63, 331-333		22

1206	Substrate Influenced Nucleation and Crystallization of LiNbO ₃ Thin Films Made by Sol-Gel. 1993 , 310, 287		3
1205	LiNbO ₃ : A Paradigm for Photorefractive Materials. 1994 , 19, 32-38		22
1204	Epitaxial LiNbO ₃ thin films on sapphire substrates grown by solid source MOCVD. 1994 , 9, 2258-2263		30
1203	Inorganic Electrooptic Materials. 1994 , 127-160		
1202	Effect of substrates on the growth and properties of LiNbO ₃ films by the sol-gel method. 1994 , 9, 980-985		18
1201	Electro-optical mode extinction modulator in LiNbO ₃ . 1994 , 33, 1717		2
1200	A secondary-ion-mass spectrometry study of magnesium diffusion in lithium niobate. <i>Journal of Applied Physics</i> , 1994 , 76, 7552-7558	2.5	19
1199	A novel miniature spectrometer using an integrated acousto-optic tunable filter. 1994 , 65, 3653-3656		10
1198	Investigation of structural peculiarities of impure lithium niobate crystals by Raman spectroscopy. 1994 , 6, 215-223		22
1197	Electronic polarizabilities of ions in lithium niobate crystal. 1994 , 13, 757-758		4
1196	EPR Study of Low Symmetry Mn ²⁺ Centers in LiNbO ₃ . Superposition Model and Crystal Field Analysis of the Zero-Field Splitting Parameters. 1994 , 185, 417-428		25
1195	Light-induced thermal gratings in LiNbO ₃ : Fe. 1994 , 59, 437-443		19
1194	Chemie und Kristallzucht. 1994 , 106, 151-171		30
1193	Process property correlations in sol-gel derived lithium niobate thin films. 1994 , 4, 207-215		1
1192	. 1994 , 12, 1092-1098		57
1191	Electro-optic high-resolution Fabry-Perot spectrometer. 1994 , 33, 1989-92		8
1190	Characterization of ferroelectric LiNbO ₃ thin film prepared by sol-gel process. 1994 , 152, 207-212		4
1189	The Growth of Optical Quality LiNbO ₃ Thin Films On Sapphire and LiTaO ₃ Substrates Using Solid-Source Mocvd. 1995 , 392, 177		8

1188	A New Structural Model for Lithium Niobate. 1995 , 30, 217-222		3
1187	Characterization of photorefractive LiNbO ₃ waveguides fabricated by combined proton and copper exchange. 1995 , 150, 763-772		9
1186	Ultraviolet Patterning of Alkoxy-Derived Lithium Niobate Film. 1995 , 78, 1649-1652		27
1185	A low-resistance layer on LiNbO ₃ produced in hydrogen RF discharge. 1995 , 93, 979-981		7
1184	Characterization of Cr ³⁺ centres in LiNbO ₃ using fluorescence line narrowing. 1995 , 7, 9643-9656		56
1183	Electric-Field Multiplexing of Volume Holograms in LiNbO ₃ . 1995 , 31, 443-448		5
1182	Formation and scanning electron microscopy investigation of LiNbO ₃ films on silicon substrates. 1995 , 8, 261-269		
1181	Phase conjugation by cascaded second-order nonlinear-optical processes. 1995 , 12, 43		21
1180	Characterization of LiNbO ₃ thin films grown on Al ₂ O ₃ by RF sputtering. 1995 , 6, 337-344		2
1179	Secondary-ion-mass spectrometry and near-field studies of Ti:LiNbO ₃ optical waveguides. <i>Journal of Applied Physics</i> , 1995 , 78, 5345-5350	2.5	46
1178	Pulsed-laser deposition and optical properties of completely (001) textured optical waveguiding LiNbO ₃ films upon SiO ₂ /Si substrates. 1996 , 21, 946-8		30
1177	Magnetophotorefractive effect in LiNbO ₃ :Fe crystals: theory and experiments. 1996 , 13, 2286		5
1176	Optical methods to characterise the composition and homogeneity of lithium niobate single crystals. 1996 , 63, 323-330		147
1175	An improved procedure to calculate the refractive index profile from the measured near-field intensity. 1996 , 14, 423-428		69
1174	High-performance guided-wave acoustooptic Bragg cells in LiNbO ₃ and GaAs-based structures. 1996 , 43, 270-279		8
1173	1890P1 - 71A4. 333-345		
1172	5.2.2.5 Trigonal system: Classes 3m (C _{3v}), 32 (D _{3d}), (-3)m (D _{3d}). 59-62		
1171	EXAFS studies of thermal annealing effects on the local environment of erbium implanted in LiNbO ₃ . 1996 , 120, 81-83		9

1170	Investigation of hydrogen implanted LiNbO ₃ crystals under DC electric field by synchrotron radiation topography. 1996 , 226, 293-303		13
1169	Xe post-irradiation effects in the thermal evolution and diffusion of Er-implanted LiNbO ₃ . 1996 , 57, 513-520		2
1168	Processing and ultraviolet patterning of LiNbO ₃ epitaxial films from metallorganic precursors. 1996 , 41, 117-122		8
1167	(012) Textured LiNbO ₃ Waveguiding Films Grown on SiO ₂ by Pulsed Laser Deposition Technique. 1996 , 154, 615-622		14
1166	Quadratic electro-absorption and electro-optic effects in a guest/host nonlinear optical polymeric system. <i>Journal of Applied Physics</i> , 1996 , 79, 1267-1274	2.5	7
1165	Effects of Sol-gel Processing Variables on the Texture Growth of LiNbO ₃ Thin Film. 1996 , 35, 210-215		6
1164	A numerical study of erbium doped active LiNbO ₃ /sub 3/ waveguides by the beam propagation method. 1997 , 15, 2294-2300		17
1163	Design and demonstration of interferometric integrated-optic sensors in Ti:LiNbO ₃ waveguides. 1997 , 16, 369-386		1
1162	Surface acoustic waves interaction with twin structure in the LiNbO ₃ crystal. 1997 , 22, 135-141		
1161	On crossings of twins in lithium niobate crystals. 1997 , 76, 319-328		6
1160	Sol-gel synthesis of fluoride optical materials for planar integrated photonic applications. 1997 , 213-214, 126-136		27
1159	Visible laser sources based on frequency doubling in nonlinear waveguides. 1997 , 33, 1673-1686		39
1158	Electron spin resonance study of Fe ³⁺ in LiNbO ₃ single crystals: Bulk and fibres. 1997 , 103, 61-64		6
1157	Etching study of ferroelectric microdomains in LiNbO ₃ and MgO:LiNbO ₃ . 1997 , 171, 477-484		23
1156	Reduced optical losses in MOCVD grown lithium niobate thin films on sapphire by controlling nucleation density. 1998 , 186, 594-606		64
1155	Investigation of correlated defects in non-stoichiometric lithium niobate by high resolution electron microscopy. 1998 , 59, 311-319		21
1154	GRIN single crystal fibres. 1998 , 151, 75-80		4
1153	Accurate interferometric measurement of electro-optic coefficients: application to quasi-stoichiometric LiNbO ₃ . 1998 , 154, 23-27		27

1152	Proton site occupation in congruent lithium niobate crystal determined by nuclear magnetic resonance. 1998 , 250, 211-213	9
1151	Microstructuring of lithium niobate using differential etch-rate between inverted and non-inverted ferroelectric domains. 1998 , 37, 246-254	74
1150	New perspectives in the tailoring of hetero (bi- and tri-) metallic alkoxide derivatives. 1998 , 17, 1005-1034	105
1149	A finite differences method for the reconstruction of refractive index profiles from near-field measurements. 1998 , 16, 1348-1353	34
1148	Piezoelectric Coefficients of mNA Organic Nonlinear Optical Material Using Synchrotron X-Ray Multiple Diffraction. 1998 , 81, 5426-5429	45
1147	c-axis lithium niobate thin film growth on silicon using solid-source metalorganic chemical vapor deposition. 1999 , 14, 2662-2667	23
1146	Influence of heat treatment on LiNbO ₃ thin films prepared on Si(111) by the polymeric precursor method. 1999 , 14, 3115-3121	30
1145	Investigations of pyroelectric generation of x rays. <i>Journal of Applied Physics</i> , 1999 , 86, 640-647	2.5 96
1144	Growth of LiNbO ₃ films on single crystal sapphire substrates using pulsed laser deposition. 1999 , 25, 91-102	
1143	Phase transition of Li _x Na _{1-x} NbO ₃ studied by Raman scattering method. 1999 , 111, 723-728	46
1142	Structural and surface morphology characterizations of oriented LiNbO ₃ thin films grown by polymeric precursor method. 1999 , 19, 1447-1451	14
1141	Pulsed laser deposition of (001) textured LiNbO ₃ films on Al ₂ O ₃ /SiO ₂ /Si substrate. 1999 , 141, 197-200	22
1140	Nonlinear Phase Shifts by Cascaded Optical Rectification and Linear Electro-Optic Effect. 1999 , 6, 152-154	
1139	Thin-film lithium niobate on diamond-coated silicon substrates for surface acoustic wave applications. 1999 ,	1
1138	Synthesis and Characteristics of Complex Multicomponent Oxides Prepared by Polymer Complex Method. 1999 , 72, 1427-1443	269
1137	Focusing effect in X-ray diffraction imaging of LiNbO ₃ crystals under static electric field. 1999 , 8, 225-232	2
1136	Implementation of an NDDO/CI/SOS approach for second-order hyperpolarizabilities. 2000 , 77, 727-760	10
1135	Channeling Study of Proton-Exchanged LiNbO ₃ Optical Waveguides. 2000 , 181, 509-513	3

1134	X-ray characterization of LiNbO ₃ films grown by pulsed laser deposition on SrTiO ₃ (1 0 0), NdGaO ₃ (1 1 0) and MgO(1 1 1) substrates. 2000 , 216, 335-342		8
1133	LiNbO ₃ optical waveguides deposited on sapphire by electric-field-assisted pulsed laser deposition. 2000 , 58, 396-403		13
1132	The site occupation of protons in lithium niobate crystals. 2000 , 61, 1331-1335		31
1131	Optical waveguide formation by MeV H ⁺ implanted into LiNbO ₃ crystal. 2000 , 177, 189-193		18
1130	Simultaneous generation of longitudinal and shear bulk ultrasonic waves in solids. 2000 , 33, 1287-1297		11
1129	On the design of multimode ultrasonic transducers for acoustooptic correlation applications. 2000 , 33, 3041-3052		1
1128	Copper/lithium ion exchange in LiNbO ₃ . 2000 , 15, 1120-1124		7
1127	Photorefractive properties of LiNbO ₃ crystals doped by copper diffusion. 2000 , 61, 4615-4620		43
1126	EPR, ENDOR, and optical-absorption study of Cr ³⁺ centers substituting for niobium in Li-rich lithium niobate crystals. 2000 , 62, 7779-7790		33
1125	Low temperature phase transition of Li _{0.12} Na _{0.88} NbO ₃ studied by Raman scattering. <i>Journal of Applied Physics</i> , 2000 , 88, 742-745	2.5	22
1124	Epitaxially grown LiNbO ₃ thin films by polymeric precursor method. 2000 , 15, 2446-2453		33
1123	Low-spatial-frequency refractive-index changes in iron-doped lithium niobate crystals upon illumination with a focused continuous-wave laser beam. 2000 , 17, 586		13
1122	Broadband monolithic acousto-optic tunable filter. 2000 , 25, 305-7		29
1121	Ab initio structure and zone-center phonons in LiNbO ₃ . 2000 , 61, 8806-8813		111
1120	Electro-optic modulation in crystal-ion-sliced z-cut LiNbO ₃ thin films. 2000 , 76, 1407-1409		67
1119	Correlation between optical and compositional properties of Ti:LiNbO ₃ channel optical waveguides. <i>Journal of Applied Physics</i> , 2000 , 87, 1007-1011	2.5	14
1118	Collinear guided wave to leaky wave acoustooptic interactions in proton-exchanged LiNbO ₃ waveguides. 2000 , 47, 16-28		17
1117	Self-focused electron beams produced by pyroelectric crystals on heating or cooling in dilute gases. 2001 , 79, 3364-3366		61

1116	Observation of multiple nearly monoenergetic electron production by heated pyroelectric crystals in ambient gas. 2001 , 78, 1158-1159	31
1115	Comprehensive strain analysis in thin films based on high-resolution x-ray diffraction: Application to implanted LiNbO ₃ . 2001 , 63,	13
1114	Epitaxial LiNbO ₃ thin films grown by pulsed laser deposition for optical waveguides. 2001 , 78, 1204-1206	21
1113	Extraordinary refractive-index increase in lithium niobate caused by low-dose ion implantation. 2001 , 40, 3759-61	55
1112	Lithium niobate thin films on diamond/silicon substrates for surface acoustic wave filter device applications. 2001 , 41, 81-90	5
1111	Photorefractive optical damage in protonated LiNbO ₃ waveguides. 2001 , 249, 257-268	2
1110	Combined x-ray imaging and diffraction study of light-induced distortions in Fe:LiNbO ₃ . 2001 , 34, A163-A167	3
1109	Determination of lattice site locations of erbium ions implanted into LiNbO ₃ single crystals after annealing at moderate and high temperature. 2001 , 185, 11-26	12
1108	Electro-optically controlled beam switching via total internal reflection at a domain-engineered interface in LiNbO ₃ . 2001 , 197, 193-200	14
1107	Depth profile and annealing behavior study of 350 keV Bi ⁺ ions implanted into LiNbO ₃ . 2001 , 86, 15-19	1
1106	Multi-layered LiNbO ₃ films prepared by a polymeric precursor method. 2001 , 21, 1521-1524	11
1105	Optical Waveguide in X-Cut LiNbO ₃ Crystals by MeV P ⁺ Ion Implantation with Low Dose. 2001 , 187, 543-548	13
1104	Highly c-axis oriented LiNb _{0.5} Ta _{0.5} O ₃ thin films on Si substrates fabricated by thermal plasma spray CVD. 2001 , 182, 150-158	6
1103	Crystal growth, characterization, and domain studies in lithium niobate and lithium tantalate ferroelectrics. 2001 , 57-114	21
1102	Erbium doping into lithium niobate and sapphire single crystal wafers. 2001 , 16, 333-335	4
1101	Electronic paramagnetic resonance study of Cu ²⁺ ions in copper ion-exchanged layers of lithium niobate crystals. 2001 , 16, 1554-1558	1
1100	Infrared extinction coefficient of LiNbO ₃ at temperatures to 1150 °C: Semiconductor behavior of a metal oxide at high temperature. 2001 , 78, 1379-1381	6
1099	Acoustic spectroscopy of lithium niobate: Elastic and piezoelectric coefficients. <i>Journal of Applied Physics</i> , 2002 , 92, 2451-2456	2.5 65

1098	Demonstration and optical characteristics of electro-optic Bragg modulators in periodically poled lithium niobate in the near-infrared. 2002 , 81, 2514-2516	40
1097	Generation of surface acoustic waves in non-piezoelectric solids using edge bonded rotated Y-cut lithium niobate transducers. 2002 , 35, 378-385	1
1096	Range and Annealing Behaviour of Pb + Ions Implanted into LiNbO ₃ Crystals at Moderate Energies. 2002 , 19, 101-104	4
1095	KrF excimer laser trenching of X-cut LiNbO ₃ for realization of optimized optical modulator electrode structures. 2002 , 1, 117	
1094	Electrical Properties of Lithium Niobosilicate Gel Derived Glass and Glass-Ceramics. 2002 , 230-232, 161-164	14
1093	Wide wavelength tuning of an optical parametric oscillator through electro-optic shaping of the gain spectrum. 2002 , 27, 1433-5	12
1092	Photorefractive properties of lithium and copper in-diffused lithium niobate crystals. 2002 , 19, 1822	15
1091	Electro-optically modulated polarizing Fourier-transform spectrometer for plasma spectroscopy applications. 2002 , 41, 197-208	13
1090	A Study on the Development of Chemical Vapor Deposition Precursors. 4. Syntheses and Characterization of New N-Alkoxo-Eketoiminate Complexes of Niobium and Tantalum. 2002 , 14, 1548-1554	28
1089	Preparation of AlN and LiNbO ₃ thin films on diamond substrates by sputtering method. 2002 , 11, 408-412	36
1088	Highly c-axis oriented LiNbO ₃ thin film grown on SiO ₂ /Si substrates by pulsed laser deposition. 2002 , 55, 265-268	9
1087	Annealed proton exchanged optical waveguides in lithium niobate: differences between the X- and Z-cuts. <i>Optical Materials</i> , 2002 , 19, 245-253	3-3 19
1086	Investigation of KrF excimer laser ablation and induced surface damage on lithium niobate. 2002 , 201, 196-203	11
1085	Growth of highly oriented LiNbO ₃ thin films through structure controlled metal alkoxide precursor solution. 2002 , 237-239, 2091-2097	12
1084	LiNbO ₃ [F] References, 2A-1. 1-14	
1083	Influence of thickness on crystallization and properties of LiNbO ₃ thin films. 2003 , 50, 239-244	13
1082	Extraordinary refractive-index increase in MeV B ³⁺ ion-implanted LiNbO ₃ waveguide. 2003 , 211, 346-350	16
1081	LiNbO ₃ thin films deposited on Si substrates: a morphological development study. 2003 , 77, 571-577	10

1080	Epitaxial LiNb _{0.5} Ta _{0.5} O ₃ films on LiTaO ₃ and LiNbO ₃ substrates grown by thermal plasma. 2003 , 247, 408-418		4
1079	Epitaxial growth of LiNbO ₃ thin films in a microwave oven. 2003 , 436, 213-219		58
1078	Continuous wave ultraviolet radiation induced frustration of etching in lithium niobate single crystals. 2003 , 206, 46-52		14
1077	Crystal orientation dependence of piezoelectric properties in LiNbO ₃ and LiTaO ₃ . <i>Optical Materials</i> , 2003 , 23, 403-408	3-3	50
1076	Fabrication and application of holographic Bragg gratings in lithium niobate channel waveguides. 2003 , 36, R1-R16		101
1075	Preparation of lithium niobate thin films on diamond-coated silicon substrate for surface acoustic devices. 2003 , 12, 1809-1813		6
1074	Second harmonic generation in coupled LiNbO ₃ waveguides by reverse-proton exchange. 2003 , 15, 443-445		6
1073	Spatial optical solitons in nonlinearly coupled lithium niobate waveguides. 2003 , 15, 537-539		5
1072	Spatial optical solitons in nonlinearly coupled planar waveguides. 2003 , 28, 1031-3		9
1071	Actively Q-switched Nd:YVO ₄ laser using an electro-optic periodically poled lithium niobate crystal as a laser Q-switch. 2003 , 28, 1460-2		50
1070	Electrical properties of lithium niobium silicate glasses. 2003 , 325, 267-274		59
1069	LiNbO ₃ thin films prepared through polymeric precursor method. 2003 , 57, 2333-2339		38
1068	Growth Technologies and Studies of Ferroelectric Thin Films--Application to LiTaO ₃ and LiNbO ₃ Materials. 2003 , 288, 187-197		7
1067	Electron paramagnetic resonance and quantum-mechanical analysis of binuclear niobium clusters in lithium niobium phosphate glasses. 2003 , 118, 6017-6021		16
1066	Ferroelectric Materials with Photoluminescent Properties. 2003 , 288, 315-326		3
1065	Sol-Gel Processing of Metal Compounds. 2003 , 629-656		5
1064	Optical waveguides in lead zinc niobate/lead titanate by He ion implantation. <i>Journal of Applied Physics</i> , 2003 , 93, 3940-3943	2.5	6
1063	Thermal exfoliation and crystallographic transformation of single-crystal metal oxides induced by He-ion implantation. <i>Journal of Applied Physics</i> , 2003 , 94, 3045-3050	2.5	2

1062	Thermal plasma fabricated lithium niobate-tantalate films on sapphire substrate. 2003 , 21, 994-1003	2
1061	Time-resolved two-dimensional plasma spectroscopy using coherence-imaging techniques. 2003 , 45, 1143-1166	36
1060	Electro-optically controlled switching and deflection in domain-engineered LiNbO ₃ . 2003 ,	
1059	Laser processing of lithium niobate for wafer-level microfabrication applications. 2004 ,	
1058	Sinterizaço de filmes finos de LiNbO ₃ em forno microondas: estudo da influncia da direo do fluxo de calor. 2004 , 50, 128-133	4
1057	Formation of Optical Waveguide and Annealing Behaviour of LiNbO ₃ Implanted by 3.0-MeV Nickel Ions. 2004 , 21, 1553-1555	1
1056	Forced polarization of Sapphire induced by coated LiNbO ₃ and LiTaO ₃ films. 2004 , 84, 2623-2625	1
1055	Model of the erbium ion exchange process in lithium niobate crystals. 2004 , 69,	5
1054	X-ray fluoresced high-Z (up to Z=82) K x rays produced by LiNbO ₃ and LiTaO ₃ pyroelectric crystal electron accelerators. 2004 , 85, 1298-1300	19
1053	Growth and nanoscale ferroelectric investigation of radiofrequency-sputtered LiNbO ₃ thin films. 2004 , 86, 340-346	15
1052	Imaging with lithium niobate/epoxy composites. 2004 , 42, 439-42	7
1051	A Raman study of single-crystal congruent lithium niobate following electric-field repoling. 2004 , 79, 691-696	29
1050	Local electromechanical response at a single ferroelectric domain wall in lithium niobate. 2004 , 35, 2287-2290	3
1049	Influence of oxygen atmosphere on crystallization and properties of LiNbO ₃ thin films. 2004 , 24, 1607-1613	42
1048	Near-stoichiometric LiNbO ₃ single-crystal growth by metal strip-heated zone melting technique. 2004 , 263, 421-426	8
1047	Elastic, anelastic, piezoelectric coefficients of monocrystal lithium niobate. 2004 , 36, 941-947	51
1046	Electro-optic tuning of a periodically poled LiNbO ₃ optical parametric oscillator and mixing its output waves to generate mid-IR tunable from 9.4 to 10.5 μ m. 2004 , 229, 325-330	7
1045	Effect of the heat flux direction on electrical properties of SrBi ₂ Nb ₂ O ₉ thin films crystallized using a microwave oven. 2004 , 225, 156-161	10

1044	Structural characterization for Er ³⁺ -doped oxide materials potentially useful as optical devices. 2004 , 226, 355-370	24
1043	Generation of focused electron beam by pyroelectric and photogalvanic crystals. <i>Journal of Applied Physics</i> , 2004 , 96, 6794-6798	2.5 30
1042	Single-Crystal Lithium Niobate Films by Crystal Ion Slicing. 2004 , 417-450	4
1041	Influence of oxygen atmosphere on LiNbO ₃ /sub 3/ thin films prepared by Pechini process.	
1040	Thick-Film Piezoelectric Materials for High Temperature Applications. 2004 , 313, 63-69	1
1039	Electron paramagnetic resonance of Fe ³⁺ in near-stoichiometric LiTaO ₃ . 2004 , 16, 9047-9057	4
1038	The role of SiO ₂ buffer layer in the growth of highly textured LiNbO ₃ thin film upon SiO ₂ /Si by pulsed laser deposition. 2004 , 58, 3597-3600	16
1037	Nonstoichiometric silica mask for fabricating reverse proton-exchanged waveguides in lithium niobate crystals. 2004 , 43, 940-3	8
1036	Efficient, high-frequency bulk phase modulator. 2004 , 43, 1946-50	4
1035	Laser-induced fracturing: an alternative to mechanical polishing and patterning of LiNbO ₃ /sub 3/ integrated optics chips. 2004 , 22, 1327-1330	1
1034	Peroxide Route Towards Low Temperature Synthesis of LiNbO ₃ : An Environmentally Benign Approach. 2004 , 112, 368-372	10
1033	UV laser-induced ordered surface nanostructures in congruent lithium niobate single crystals. 2005 , 247, 497-503	6
1032	Determination of propagation constants in a Ti:LiNbO ₃ optical waveguide by using finite element and variational methods. 2005 , 250, 274-279	4
1031	Using static charge on pyroelectric crystals to produce selffocusing electron and ion beams and transport through tubes. 2005 , 63, 249-259	26
1030	Reliability and effectiveness of LiNbO ₃ ferroelectric films sputtered on ITO-based conductive electrode. 2005 , 92, 424-430	11
1029	Growth of textured LiNbO ₃ thin film on Si (111) substrate by pulsed laser deposition. 2005 , 59, 2994-2997	18
1028	Visualization of ferroelectric domains in bulk single crystals. 2005 , 81, 729-751	144
1027	Novel intercore-cladding lithium niobate thin film coated MOEMS fiber sensor/modulator. 2005 , 4, 041302	

1026	III-nitride integration on ferroelectric materials of lithium niobate by molecular beam epitaxy. 2005 , 87, 171107		34
1025	Piezoelectric characterization of ejecta from shocked tin surfaces. <i>Journal of Applied Physics</i> , 2005 , 98, 113508	2.5	93
1024	Electron paramagnetic resonance of Fe ³⁺ in LiNbO ₃ . 2005 , 71,		17
1023	Site correlation effects in the dynamics of iron impurities Fe ²⁺ /Fe ³⁺ and antisite defects NbLi ⁴⁺ /NbLi ⁵⁺ after a short-pulse excitation in LiNbO ₃ . 2005 , 72,		21
1022	Magnetism and electronic structure of triplet binuclear niobium complexes in inorganic glasses, organic ligand environment, and polymers. <i>Journal of Applied Physics</i> , 2005 , 97, 10A302	2.5	2
1021	Nonlinear Optical Crystals: A Complete Survey. 2005 ,		10
1020	Basic Nonlinear Optical Crystals. 2005 , 5-74		
1019	Influence of Mg on the Structural and Optical Properties of LiNbO ₃ Thin Films Grown by Polymeric Precursor Method. 2005 , 498-499, 342-349		
1018	Monolithic integration of electronic and electro-optical devices exploiting the AlGa _N /Ga _N -LiNbO ₃ /sub 3/ material system. 2005 ,		1
1017	Growth of near stoichiometric LiNbO ₃ crystals by a modified zone melting method. 2005 , 402, 224-226		6
1016	Synthesis and characterization of fluorinated amorphous carbon films by reactive magnetron sputtering. 2005 , 14, 989-993		32
1015	Pyroelectric and photo-galvanic effects for generation of the focused electron beam, X-rays, photo-actuation and electric micro-propulsion.		
1014	Characterization Techniques of Nonlinear Optical Materials. 2006 , 419-459		7
1013	Rectifying I-V characteristic of LiNbO ₃ /Nb-doped SrTiO ₃ heterojunction. 2006 , 89, 223506		41
1012	Frequency mixing of photorefractive and ferroelectric gratings in lithium niobate crystals. 2006 , 31, 583-5		2
1011	High-temperature-recorded index gratings in periodically poled lithium niobate. 2006 , 31, 3267-9		0
1010	Refractive index changes in lithium niobate crystals by high-energy particle radiation. 2006 , 23, 2107		16
1009	Photonic micro and sub-micro structures in LiNbO ₃ crystals. 2006 ,		

1008	Growth and Optical Spectra of Zn:Er:LiNbO ₃ Crystals Using Bridgman Method. 2006 , 24, 533-537			3
1007	Growth and characterizations of ZnO-doped near-stoichiometric LiNbO ₃ crystals by zone-leveling Czochralski method. 2006 , 289, 145-150			9
1006	Orientated nano grain growth and effect of annealing on grain size in LiTaO ₃ thin films deposited by sol-gel technique. 2006 , 291, 232-238			8
1005	Characteristics of the precursors and their thermal decomposition during the preparation of LiNbO ₃ thin films by the Pechini method. 2006 , 515, 1455-1460			13
1004	Fabrication of polaritonic structures in LiNbO ₃ and LiTaO ₃ using femtosecond laser machining. 2006 , 86, 49-54			32
1003	Temperature-dependent Sellmeier equation in the MIR for the extraordinary refractive index of 5% MgO doped congruent LiNbO ₃ . 2006 , 86, 111-115			63
1002	Integrated optical electric field sensor based on a Bragg grating in lithium niobate. 2006 , 86, 91-95			17
1001	Integration of Single-Crystal LiNbO ₃ Thin Film on Silicon by Laser Irradiation and Ion Implantation Induced Layer Transfer. 2006 , 18, 1533-1536			60
1000	Optical Switching. 2006 ,			70
999	Reflection second harmonic generation on a z-cut congruent lithium niobate crystal. 2006 , 74,			13
998	Rotator and extender ferroelectrics: Importance of the shear coefficient to the piezoelectric properties of domain-engineered crystals and ceramics. <i>Journal of Applied Physics</i> , 2007 , 101, 054112	2.5		180
997	Dynamics of photodeformations and space charge field in photorefractive Fe:LiNbO ₃ studied with synchrotron area diffractometry. <i>Journal of Applied Physics</i> , 2007 , 102, 083527	2.5		9
996	Preparation and Characterization of LiNbO ₃ Thin Films Derived from Metal Carboxylate Gels. 2007 , 336-338, 213-216			3
995	Optical and structural properties of waveguides in LiNbO ₃ fabricated by ultrashort laser pulses. 2007 ,			1
994	Parasitic Mode Conversion in Z-Propagating Lithium-Niobate Waveguides. 2007 , 25, 387-393			4
993	Tailoring the Electrooptic Response and Improving the Performance of Integrated LiNbO_3 Modulators by Domain Engineering. 2007 , 25, 2402-2409			10
992	Selective etching in LiNbO ₃ combined of MeV O and Si ion implantation with wet-etch technique. 2007 , 201, 5081-5084			16
991	Using ferroelectric poling to change adsorption on oxide surfaces. 2007 , 129, 15684-9			83

990	Comparison of LiNbO ₃ flux systems for deposition on RIE-etched LiTaO ₃ substrates. 2007 , 40, 7480-7484	6
989	Effect of Ferroelectric Poling on the Adsorption of 2-Propanol on LiNbO ₃ (0001). 2007 , 111, 13951-13956	71
988	Femtosecond laser induced structural modifications in lithium niobate for integrated optical applications. 2007 ,	
987	. 2007 ,	28
986	Bibliography. 293-303	
985	Micro structuring of LiNbO ₃ by using nanosecond pulsed laser ablation. 2007 , 254, 1327-1331	24
984	Integrated-optic biosensor by electro-optically modulated surface plasmon resonance. 2007 , 22, 1441-6	16
983	Effect of recording conditions on the anisotropic diffraction of volume holographic gratings. 2007 , 118, 373-376	
982	Development of an electric field sensor based on second harmonic generation with electro-optic materials. 2007 , 185, 173-177	6
981	In-plane lattice parameter determination of Zn:LiNbO ₃ thin films epitaxially grown on x-cut LiNbO ₃ substrates using X-ray diffraction methods. 2007 , 204, 2585-2590	5
980	Pyroelectric-piezoelectric related enhancement of the domain contrast on topographs performed using a coherent X-ray beam in LiNbO ₃ at low temperature. 2007 , 204, 2700-2705	1
979	Anomalies in the pyroelectric properties of LiNbO ₃ crystals of the congruent composition. 2007 , 49, 1957-1962	10
978	Origins of waveguiding in femtosecond laser-structured LiNbO ₃ . 2007 , 89, 127-132	135
977	Non-collinear nanosecond optical parametric oscillator based on periodically poled LN with tilted domain walls. 2007 , 87, 649-653	8
976	Structural and electrical properties of SiO ₂ /Li ₂ O/Nb ₂ O ₅ glass and glass-ceramics obtained by thermoelectric treatments. 2007 , 42, 2543-2550	15
975	Geometric and electronic structure of positively and negatively poled LiNbO ₃ (0 0 0 1) surfaces. 2007 , 601, 4636-4647	37
974	Size reduction in crystal grains in LiNb _{0.5} Ta _{0.5} O ₃ thin films by controlling nucleation density during thermal plasma spray chemical vapor deposition. 2007 , 515, 7269-7274	3
973	Grinding free electric-field poling of Ti indiffused z-cut LiNbO ₃ wafer with submicron resolution. 2008 , 91, 319-321	3

972	Change of melting temperature of non-doped and Mg-doped lithium niobate under an external electric field. 2008 , 310, 3873-3877		5
971	Liquid crystal deposition on poled, single crystalline lithium niobate. 2008 , 254, 2048-2053		29
970	The superprism effect in lithium niobate photonic crystals for ultra-fast, ultra-compact electro-optical switching. 2008 , 6, 47-59		27
969	Temperature dependence of the EPR lines in weakly doped LiNbO ₃ :Yb possible evidence of Yb ³⁺ ion pairs formation. 2008 , 403, 207-218		12
968	Electro-optic behavior of lithium niobate at cryogenic temperatures. 2008 , 281, 793-796		9
967	A lithium niobate electro-optic tunable Bragg filter fabricated by electron beam lithography. 2008 , 10, 064017		19
966	Non-reciprocal ultrafast laser writing. <i>Nature Photonics</i> , 2008 , 2, 99-104	33.9	113
965	Oxygen-18 surface exchange and diffusion in Li ₂ O-deficient single crystalline lithium niobate. 2008 , 10, 746-753		12
964	LiNbO ₃ ground- and excited-state properties from first-principles calculations. 2008 , 77,		76
963	Dielectrophoretic trapping of suspended particles by selective pyroelectric effect in lithium niobate crystals. 2008 , 92, 232902		64
962	Raman Probe on PPLN Microstructures. 2008 , 373, 26-31		22
961	Influence of thermal and thermoelectric treatments on structure and electric properties of B ₂ O ₃ -Li ₂ O-Nb ₂ O ₅ glasses. 2008 , 354, 901-908		26
960	Bottom seeded solution growth of near-stoichiometric LiNbO ₃ single crystals. 2008 , 449, 224-227		6
959	Spin Hamiltonian parameters and defect structure for the X-ray-induced NbLi ⁴⁺ center in LiNbO ₃ crystal. 2008 , 453, 32-35		5
958	Growth of Mn ²⁺ , Co ²⁺ and Ni ²⁺ -doped near-stoichiometric LiNbO ₃ by Bridgman method using K ₂ O flux. 2008 , 463, 446-452		9
957	Self-stabilized recording of fixed gratings at high temperature in LiNbO ₃ :Fe. 2008 , 47, 5315-20		4
956	Direct-writing of inverted domains in lithium niobate using a continuous wave ultra violet laser. <i>Optics Express</i> , 2008 , 16, 2336-50	3.3	26
955	Liquid micro-lens array activated by selective electrowetting on lithium niobate substrates. <i>Optics Express</i> , 2008 , 16, 8084-93	3.3	103

954	X-ray absorption spectroscopy study of valence and site occupation of copper in LiNbO ₃ :Cu. 2008 , 77,		10
953	Low-Temperature Rapid Synthesis of LiNbO ₃ Powder by Molten Salt Methods. 2008 , 23, 791-795		9
952	Flux Growth and Characterizations of Ga ₃ PO ₇ Single Crystals. 2008 , 8, 3577-3580		7
951	Low temperature synthesis of LiNbO ₃ powder with different fluxes. 2008 , 23, 23-26		2
950	Non-Hydrolytic Solution-Phase Synthesis of Anisotropic LiNbO ₃ and Nb ₂ O ₅ Nanostructures. 2008 , 1087, 82101		1
949	Reversible dislocation motion under contact loading in LiNbO ₃ single crystal. 2008 , 23, 1334-1338		32
948	Near-field scanning optical microscopy to study nanometric structural details of LiNbO ₃ Zn-diffused channel waveguides. <i>Journal of Applied Physics</i> , 2008 , 104, 094313	2.5	1
947	Experimental study of acoustical memory in lithium niobate. 2008 , 78, 016602		3
946	Resonant Raman of OH/OD vibrations and photoluminescence studies in LiTaO ₃ thin film. <i>Journal of Applied Physics</i> , 2008 , 104, 033542	2.5	4
945	Growth and thermal properties of Ga ₃ PO ₇ bulk single crystals. 2008 , 92, 101906		11
944	Influence of ferroelectric polarization on the equilibrium stoichiometry of lithium niobate (0001) surfaces. 2008 , 100, 256101		91
943	Influence of ion energy and ion species on ion channeling in LiNbO ₃ . 2008 , 78,		7
942	Tunable liquid microlens array driven by pyroelectric effect: full interferometric characterization. 2008 ,		
941	Interferometric characterization of pyroelectrically activated micro-arrays of liquid lenses in lithium niobate crystals. 2008 ,		1
940	Activation and control of microlens liquid arrays on functionalized polar electric crystal substrates by electro-wetting effect and temperature. 2008 , 139, 012015		1
939	Ferroelectric characterization of nondensified particle-based structures. <i>Journal of Applied Physics</i> , 2009 , 106, 064108	2.5	7
938	Electrical characterization of LiTaO ₃ :P(VDF/rFE) composites. 2009 , 44, 5469-5474		21
937	Radiation-damage-assisted ferroelectric domain structuring in magnesium-doped lithium niobate. 2009 , 95, 441-445		5

936	High-accuracy contactless method for determination of chemical composition of lithium niobate crystals by their birefringence. 2009 , 107, 212-216		2
935	Optimization of nanopores obtained by chemical etching on swift-ion irradiated lithium niobate. 2009 , 267, 1035-1038		7
934	Experimental evidence of a non-relationship between photorefractive inhibition and photoconductivity increase in LiNbO ₃ :Mg. 2009 , 282, 1212-1219		5
933	Rib waveguides based on Zn-substituted LiNbO ₃ films grown by liquid phase epitaxy. <i>Optical Materials</i> , 2009 , 31, 1650-1657	3-3	16
932	The effect of ferroelectric polarization on the interaction of water and methanol with the surface of LiNbO ₃ (0 0 0 1). 2009 , 603, 1106-1114		65
931	Optical properties of Ga ₃ PO ₇ single crystals. 2009 , 311, 3163-3166		4
930	A novel method for measuring continuous dispersion spectrum of electro-optic coefficients of nonlinear materials. <i>Optics Express</i> , 2009 , 17, 9828-33	3-3	14
929	Optical trapping and manipulation of metallic micro/nanoparticles via photorefractive crystals. <i>Optics Express</i> , 2009 , 17, 9981-8	3-3	49
928	Quadratic phase matching in nonlinear plasmonic nanoscale waveguides. <i>Optics Express</i> , 2009 , 17, 20063-8	3-3	43
927	Lithium niobate photonic wires. <i>Optics Express</i> , 2009 , 17, 24261-8	3-3	105
926	Determination of Refractive Indices From the Mode Profiles of UV-Written Channel Waveguides in LiNbO_3 -Crystals for Optimization of Writing Conditions. 2009 , 27, 3490-3497		17
925	Electron small polarons and bipolarons in LiNbO ₃ . 2009 , 21, 123201		100
924	Ferroelectric Crystals for Photonic Applications. 2009 ,		36
923	Investigation of the photorefractive effect in lithium niobate crystals using femtosecond laser pulses. 2009 ,		
922	Ferroelectric polarization dependent interactions at Pd/LiNbO ₃ (0001) interfaces. 2009 , 27, 1337-1342		10
921	Dielectric and piezoelectric anisotropy of lithium niobate and lithium tantalate single crystals. 2009 ,		3
920	Second-order nonlinear optical properties of trisubstituted Keggin and Wells-Dawson polyoxometalates: density functional theory investigation of the inorganic donor-conjugated bridge-acceptor structure. 2009 , 48, 8115-9		46
919	Efficient optimization of high vacuum chemical vapor deposition of niobium oxide on full wafer scale. 2010 , 8, 012026		2

918	Threshold fluence for domain reversal directly induced by femtosecond laser in lithium niobate. 2010 , 101, 313-317	6
917	Laser-induced-forward-transfer: a rapid prototyping tool for fabrication of photonic devices. 2010 , 101, 333-338	19
916	LiZnNb4O11.5: A novel oxygen deficient compound in the Nb-rich part of the Li2OxNb2O5 system. 2010 , 183, 408-418	8
915	The array waveguides formed in LiNbO3 crystal by oxygen-ion implantation. 2010 , 268, 2923-2925	5
914	Wave propagation in a prestressed piezoelectric half-space. 2010 , 211, 337-344	37
913	High-Field Magnetoresistance of La0.67Sr0.33MnO3 Thin Films Deposited on LiNbO3 Substrates. 2010 , 159, 156-159	2
912	Crystal growth and defects in Ga3PO7 crystals. 2010 , 45, 600-602	1
911	Preparation of nanocrystalline lithium niobate powders at low temperature. 2010 , 45, 977-982	9
910	GaN/LiNbO3 (0 0 0 1) interface formation calculated from first-principles. 2010 , 256, 5740-5743	7
909	Optical decoherence and persistent spectral hole burning in Er3+:LiNbO3. 2010 , 130, 1603-1609	22
908	1λ-Branch waveguide power splitters in lithium niobate by means of multi-energy O ion implantation. <i>Optical Materials</i> , 2010 , 32, 1441-1445	3-3 14
907	Theory of 2λ switch based on electro-optic and piezoelectric effects in photorefractive LiNbO3 crystal. 2010 , 42, 546-551	2
906	Fabrication and investigation of 1D and 2D structures in LiNbO3 thin films by pulsed laser ablation. <i>Optical Materials</i> , 2010 , 32, 1427-1434	3-3 17
905	Surface acoustic wave device properties of (B, Al)N films on 128° YX LiNbO3 substrate. 2010 , 256, 7156-7159	5
904	Observation of unusual temperature-dependent stripes in LiTaO3 and LiTaxNb1-xO3 crystals with near-zero birefringence. 2010 , 43, 1305-1313	11
903	Lithium niobate and lithium tantalate-based piezoelectric materials. 2010 , 204-238	11
902	UV laser induced ferroelectric domain inversion in lithium niobate single crystals. 2010 , 12, 095601	8
901	Magnetization dynamics triggered by surface acoustic waves. 2010 , 97, 232507	65

- 900 Origin of UV-induced poling inhibition in lithium niobate crystals. **2010**, 82, 22
- 899 Theoretical modeling of refractive index in ion implanted LiNbO₃ waveguides. *Journal of Applied Physics*, **2010**, 108, 033105 2.5 6
- 898 Collinear Surface Acoustic Wave Acousto-Electro-Optic Modulator in Ti:LiNbO₃ Waveguide. **2010**,
- 897 Lithium niobate X-cut, Y-cut, and Z-cut surfaces from ab initio theory. **2010**, 81, 103
- 896 In Situ TEM Observation of Crystallization Process for LiNbO₃ and NaNbO₃. **2010**, 63, 47-51 3
- 895 Orientation of colloiddally suspended LiNbO₃ nanocrystals in externally applied electric fields. **2010**, 97, 242908 11
- 894 Mach-Zehnder interferometry method for decoupling electro-optic and piezoelectric effects in poled polymer films. **2010**, 97, 041109 22
- 893 Light scattering induced by opposite microdomains in LiNbO₃:Fe:Hf crystals. *Optics Express*, **2010**, 18, 11949-54 3.3 5
- 892 Low-loss chalcogenide waveguides on lithium niobate for the mid-infrared. **2010**, 35, 3228-30 26
- 891 Lithium Niobate Ridge Waveguides Fabricated by Ion Implantation Followed by Ion Beam Etching. **2010**, 28, 1913-1916 13
- 890 Lithium niobate ultrasound transducers for high-resolution focused ultrasound surgery. **2010**, 1
- 889 Enhanced interferometric technique for non-destructive characterization of crystalline optical materials: automated express refractive index measurements. **2010**, 4
- 888 Ferroelectric phase transition in LiNbO₃: Insights from molecular dynamics. **2011**,
- 887 Defect chemistry, redox kinetics, and chemical diffusion of lithium deficient lithium niobate. **2011**, 13, 6925-30 23
- 886 Electrostatic control of the domain switching dynamics in congruent LiNbO₃ via periodic proton-exchange. **2011**, 98, 122910 24
- 885 Millimeter-wave dielectric properties of single-crystal ferroelectric and dielectric materials. **2011**, 58, 18-29 16
- 884 Lithium niobate transducers for MRI-guided ultrasonic microsurgery. **2011**, 58, 1570-6 11
- 883 Large-area regular nanodomain patterning in He-irradiated lithium niobate crystals. **2011**, 22, 285309 19

882	Coherent Light Microscopy. 2011 ,		48
881	Pyroelectrically induced photorefractive damage in magnesium-doped lithium niobate crystals. 2011 , 28, 1973		32
880	Combinatorial High-Vacuum Chemical Vapor Deposition of Textured Hafnium-Doped Lithium Niobate Thin Films on Sapphire. 2011 , 11, 203-209		15
879	Carrier-envelope phase control using linear electro-optic effect. <i>Optics Express</i> , 2011 , 19, 5410-8	3-3	17
878	Waveguide mode filters fabricated using laser-induced forward transfer. <i>Optics Express</i> , 2011 , 19, 9814-9,3		9
877	Design of waveguide grating with ultrafast tunable index contrast. <i>Optics Express</i> , 2011 , 19, 13047-55	3-3	
876	Hologram recording via spatial density modulation of Nb(Li)(4+/5+) antisites in lithium niobate. <i>Optics Express</i> , 2011 , 19, 15322-38	3-3	11
875	A design method of lithium niobate on insulator ridge waveguides without leakage loss. <i>Optics Express</i> , 2011 , 19, 15833-42	3-3	8
874	Microscale acoustofluidics: Microfluidics driven via acoustics and ultrasonics. 2011 , 83, 647-704		593
873	Crystallization and Second Harmonic Generation of Lithium Niobium Silicate Glass Ceramics. 2011 , 94, 2080-2086		16
872	Anisotropic Dielectric Properties of LiNb _{0.6} Ti _{0.5} O ₃ Microwave Ceramics by Screen-Printing Templated Grain Growth. 2011 , 94, 4364-4370		4
871	Luminescence and second harmonic generation in Eu ³⁺ /Eu ²⁺ embedded B ₂ O ₃ : LiNbO ₃ non-linear glass/ceramics. <i>Optical Materials</i> , 2011 , 33, 1732-1736	3-3	16
870	Structuring of material parameters in lithium niobate crystals with low-mass, high-energy ion radiation. 2011 , 105, 113-127		4
869	Mechanism of the abnormal thermal expansion of nearly stoichiometric LiNbO ₃ . 2011 , 318, 951-953		3
868	Fluorescence detection of white-beam X-ray absorption anisotropy: towards element-sensitive projections of local atomic structure. 2011 , 18, 851-61		8
867	Laser direct writing: Enabling monolithic and hybrid integrated solutions on the lithium niobate platform. 2011 , 208, 276-283		50
866	TDDFT study on the second-order nonlinear optical properties of a series of mono- and di-nuclear [60]fullerene complexes. 2011 , 963, 98-103		2
865	Reduction of electro-optic half-wave voltage of 0.93Pb(Zn(1/3)Nb(2/3))O(3)-0.07PbTiO(3) single crystal through large piezoelectric strain. <i>Optical Materials</i> , 2011 , 33, 549-552	3-3	9

864	The properties of ion-implanted LiNbO ₃ waveguides measured by the RBS and ion beam etching stripping methods. <i>Optical Materials</i> , 2011 , 33, 1357-1361	3.3	2
863	Synthesis and characterization of high crystallinity, well-defined morphology stoichiometric lithium niobate nanocrystalline. 2011 , 318, 1121-1124		10
862	Fabrication of free standing LiNbO ₃ single crystal micro-platelets and their integration to Si-on-insulator platforms. 2011 , 519, 4271-4276		7
861	Noncontact atomic force microscopy imaging of ferroelectric domains with functionalized tips. 2011 , 98, 162901		4
860	Electrical conductivity and asymmetric material changes upon irradiation of Mg-doped lithium niobate crystals with low-mass, high-energy ions. <i>Journal of Applied Physics</i> , 2011 , 109, 124104	2.5	5
859	Combinatorial Chemical Beam Epitaxy of Lithium Niobate Thin Films on Sapphire. 2011 , 158, D72		10
858	Ultrafast zone-center coherent lattice dynamics in ferroelectric lithium tantalate. 2011 , 12, 034409		2
857	Quantitative Phase Microscopy for Accurate Characterization of Microlens Arrays. 2011 , 115-144		1
856	LiNbO ₃ linear and nonlinear optical response from first-principles calculations. 2011 ,		
855	Nanostructure formation on lithium niobate surfaces by high-repetition rate sub-15-fs near-infrared laser pulses. 2012 ,		
854	DFT STUDIES ON ELECTRONIC STRUCTURES AND THIRD-ORDER NONLINEAR OPTICAL PROPERTIES OF A SERIES OF PtPt BOND-CONTAINING METAL COMPLEXES. 2012 , 11, 403-419		5
853	Small-polaron based holograms in LiNbO ₃ in the visible spectrum. <i>Optics Express</i> , 2012 , 20, 13326-36	3.3	7
852	Characterization and inhibition of photorefractive optical damage of swift heavy ion irradiation waveguides in LiNbO ₃ . 2012 , 29, 3000		3
851	Theoretical modeling and experiment of refractive index change in He ⁺ ion-implanted KTP waveguide. 2012 , 51, 2400-6		10
850	Quadratic electro-optic effect in GaN-based materials. 2012 , 100, 161901		0
849	Atomic-resolution imaging of the polar (0001 $\bar{1}$) surface of LiNbO ₃ in aqueous solution by frequency modulation atomic force microscopy. 2012 , 86,		31
848	Electro-optic effect of lithium niobate in piezoelectric resonance. <i>Journal of Applied Physics</i> , 2012 , 112, 124105	2.5	17
847	Focused ion beam milling of microchannels in lithium niobate. 2012 , 6, 12819-1281911		12

846	Three-dimensional photoprecipitation of oriented LiNbO ₃ -like crystals in silica-based glass with femtosecond laser irradiation. 2012 , 37, 2955-7		37
845	Polarization-dependent methanol adsorption on lithium niobate Z-cut surfaces. 2012 , 86,		19
844	ERaman spectroscopy characterization of LiNbO ₃ femtosecond laser written waveguides. <i>Journal of Applied Physics</i> , 2012 , 112, 123108	2.5	10
843	Magnetoelectricity in multiferroic particulate composites with arbitrary crystallographic orientation. 2012 , 21, 105038		4
842	High electro-optic kerr effect in (Bi,K,Na)TiO ₃ relaxor single crystals. 2012 , 120, 613-615		3
841	Magnetoelectric relaxation in rhombohedral LiNbO ₃ -CoFe ₂ O ₄ . 2012 , 100, 262907		4
840	Electrometric sensors for neutron radiation: conceptual study. 2012 , 7, C03026-C03026		
839	Polarization-dependent water adsorption on the LiNbO ₃ (0001) surface. 2012 , 86,		32
838	Linear and nonlinear optical response of LiNbO ₃ calculated from first principles. 2012 , 59, 1929-33		9
837	Formation of dendrite domain structures in stoichiometric lithium niobate at elevated temperatures. <i>Journal of Applied Physics</i> , 2012 , 112, 104113	2.5	27
836	. 2012 ,		1
835	Optical decoherence and energy level structure of 0.1%Tm ³⁺ :LiNbO ₃ . 2012 , 85,		20
834	Ferroelectric phase transition in LiNbO ₃ : Insights from molecular dynamics. 2012 , 59, 1925-8		13
833	Li self-diffusion in lithium niobate single crystals at low temperatures. 2012 , 14, 2427-33		34
832	Fabrication and characterization of photorefractive platforms in lithium niobate for recording of integrated holographic devices. 2012 ,		
831	Spray drying mass-production route for Mg-doped LiNbO ₃ (Mg:LN) polycrystalline powder based on a wet-chemical method. 2012 , 14, 5572		8
830	Vibrational fingerprints of LiNbO ₃ -LiTaO ₃ mixed crystals. 2012 ,		
829	Crystalline perfection, Raman, UV-VIS-NIR and prism coupler investigations on Cz-grown pure and Zn-doped LiNbO ₃ single crystals. 2012 , 14, 3297		29

828	Blue shift of optical band-gap in LiNbO ₃ thin films deposited by sol-gel technique. 2012 , 520, 6510-6514		18
827	Development and application of integrated optical sensors for intense E-field measurement. 2012 , 12, 11406-34		41
826	Photonic quantum memory in two-level ensembles based on modulating the refractive index in time: Equivalence to gradient echo memory. 2012 , 86,		13
825	Integrated Optics. 2012 , 1209-1253		1
824	Pyroelectrocatalytic Disinfection Using the Pyroelectric Effect of Nano- and Microcrystalline LiNbO ₃ and LiTaO ₃ Particles. 2012 , 116, 5383-5393		78
823	LOW TEMPERATURE NEUTRON DIFFRACTION ON CONGRUENT AND NEAR STOICHIOMETRIC LiNbO ₃ . 2012 , 26, 1250142		1
822	Photonic crystal fabrication in lithium niobate via pattern transfer through wet and dry etched chromium mask. <i>Journal of Applied Physics</i> , 2012 , 112, 074303	2.5	7
821	Effect of annealing under O ₂ and H ₂ on the piezoelectric parameters of the Ca ₁₂ Al ₁₄ O ₃₃ single crystals. <i>Journal of Applied Physics</i> , 2012 , 111, 054107	2.5	4
820	Ferromagnetism of Nano-LiNbO ₃ with Vacancies. 2012 , 37, 443-446		4
819	Light-mediated ferroelectric domain engineering and micro-structuring of lithium niobate crystals. 2012 , 6, 526-548		31
818	Synthesis and Multiscale Evaluation of LiNbO ₃ -Containing Silicate Glass-Ceramics with Efficient Isotropic SHG Response. 2012 , 22, 3985-3993		26
817	Effect of laser fluence on c-axis orientation of LiNbO ₃ piezoelectric films on nanocrystalline diamond by pulsed laser deposition. 2012 , 47, 719-722		4
816	Dislocation structure at a $\{ \overline{1} 2 \overline{0} \} / \{ \overline{1} 0 \}$ low-angle tilt grain boundary in LiNbO ₃ . 2012 , 47, 5086-5096		6
815	Double metal alkoxides of lithium: Synthesis, structure and applications in materials chemistry. 2012 , 256, 854-877		23
814	Annealing behavior of LiNbO ₃ planar waveguides formed by oxygen ion implantation. 2012 , 272, 116-120		2
813	Optoelectronic properties of Li _x A _x NbO ₃ (A=Na, K, Rb, Cs, Fr) crystals. 2012 , 407, 368-377		14
812	Direct and converse magnetoelectric effects in Metglas/LiNbO ₃ /Metglas trilayers. <i>Journal of Applied Physics</i> , 2013 , 114, 044102	2.5	17
811	Nanocomposite piezoelectric films of P(VDF-TrFE)/LiNbO ₃ . 2013 , 129, 391-396		14

810	Pyroelectric field assisted ion migration induced by ultraviolet laser irradiation and its impact on ferroelectric domain inversion in lithium niobate crystals. <i>Journal of Applied Physics</i> , 2013 , 114, 083101	2.5	8
809	Energy band gap and optical properties of lithium niobate from ab initio calculations. 2013 , 79, 125-131		48
808	Chemically assisted femtosecond laser machining for applications in LiNbO ₃ and LiTaO ₃ . 2013 , 112, 615-622		14
807	Development of CVD Ti-containing films. 2013 , 58, 1490-1533		29
806	Growth and properties of LiNbO ₃ co-doped with Yb ³⁺ /Er ³⁺ /Mg ²⁺ . 2013 , 363, 118-121		4
805	Fabrication and characterization of single mode annealed proton exchanged waveguides in -x-cut lithium niobate. <i>Optical Materials</i> , 2013 , 36, 372-375	3.3	3
804	Vibrational Fingerprints of LiNbO ₃ -LiTaO ₃ Mixed Crystals. 2013 , 447, 63-68		7
803	Raman frequency shift induced by photorefractive effect on Fe-doped lithium niobate. <i>Journal of Applied Physics</i> , 2013 , 114, 163506	2.5	7
802	Shape of isolated domains in lithium tantalate single crystals at elevated temperatures. 2013 , 103, 242903		37
801	Effect of fast strain on Co/Pt multilayers with perpendicular anisotropy. 2013 ,		2
800	Lithium Niobate: The Silicon of Photonics!. 2013 , 421-422		3
799	Polarization singularities of optical fields caused by structural dislocations in crystals. 2013 , 15, 044023		3
798	Second harmonic generation in free-standing lithium niobate photonic crystal L3 cavity. 2013 , 103, 051117		49
797	Optical response of stoichiometric and congruent lithium niobate from first-principles calculations. 2013 , 87,		31
796	Role of domain walls in the abnormal photovoltaic effect in BiFeO ₃ . 2013 , 4,		364
795	A ferroelectric-like structural transition in a metal. 2013 , 12, 1024-7		264
794	TE/TM-Pass Polarizer Based on Lithium Niobate on Insulator Ridge Waveguide. 2013 , 5, 6600610-6600610		33
793	Domain Inverted Acousto- and Electrooptic Devices and Their Application to Optical Communication, Sensing, Laser Sources, and Quantum Key Distribution. 2013 , 19, 54-63		9

792	Micro- and Nanodomain Structures Produced by Pulse Laser Heating in Congruent Lithium Tantalate. 2013 , 443, 95-102		8
791	Polarization reversal induced by heating-cooling cycles in MgO doped lithium niobate crystals. <i>Journal of Applied Physics</i> , 2013 , 113, 187211	2.5	20
790	Growth of highly near-c-axis oriented ferroelectric LiNbO ₃ thin films on Si with a ZnO buffer layer. 2013 , 102, 051914		9
789	Investigation of the Piezoelectric Effect as a Means to Generate X-Rays. 2013 , 41, 106-111		17
788	Acousto-optic laser chopper based on light diffraction by hypersonic standing waves in lithium niobate single crystal. 2013 , 294, 1-7		3
787	An ultracompact optical directional coupler based on lithium niobate photonic wires. 2013 , 124, 1974-1976		19
786	Design of strain-introduced MZI interleaver on LiNbO ₃ substrate. 2013 , 9, 4-8		2
785	Synthesis, Structures, and Multiferroic Properties of Strontium Hexaferrite Ceramics. 2013 , 42, 906-911		26
784	Linear Electro Optic Effect for High Repetition Rate Carrier Envelope Phase Control of Ultra Short Laser Pulses. 2013 , 3, 168-188		2
783	Metastable Cu(I)-niobate semiconductor with a low-temperature, nanoparticle-mediated synthesis. 2013 , 7, 1699-708		38
782	Periodic subwavelength ripples on lithium niobate surfaces generated by tightly focused sub-15 femtosecond sub-nanojoule pulsed near-infrared laser light. 2013 , 15, 055601		6
781	Computational Study on Redox-Switchable Second-Order Nonlinear Optical Properties of Totally Inorganic Keggin-Type Polyoxometalate Complexes. 2013 , 117, 7776-7783		21
780	Real-Time, Subwavelength Terahertz Imaging. 2013 , 43, 237-259		47
779	Raman spectroscopy of piezoelectrics. <i>Journal of Applied Physics</i> , 2013 , 113, 211301	2.5	44
778	Influence of Misfit Strain on Longitudinal Electro-optic Properties in Preferentially Oriented (Pb,La)(Zr,Ti)O ₃ Films. 2013 , 52, 035801		4
777	Green-induced blue absorption in MgO-doped lithium niobate crystals. 2013 , 38, 2953-6		5
776	Relation between Electro-Optic Effect and Dielectric Permittivity of Ba _{0.5} Sr _{0.5} TiO ₃ Thin Films. 2013 , 566, 20-24		1
775	Rayleigh Wave in a Rotating Initially Stressed Piezoelectric Half-Space. 2013 , 43,		2

774	Studied on Characteristics of Mg (4.5 Mol%)-Doped LiNbO ₃ Crystal Using Li Vapor Transport Equilibration. 2013 , 785-786, 706-709		
773	Fabrication and electrical properties of LiNbO ₃ /ZnO/n-Si heterojunction. 2013 , 3, 042106		9
772	Laser-induced breakdown and damage generation by nonlinear frequency conversion in ferroelectric crystals: Experiment and theory. <i>Journal of Applied Physics</i> , 2013 , 114, 203101	2.5	8
771	Confocal micro-Raman imaging on 180°-domain structure in periodically poled stoichiometric LiNbO ₃ . 2013 , 121, 579-582		2
770	A display technology based on Fabry Perot interferometer array. 2013 ,		
769	Ultraprecise measurement of low-coherence interferometry spectrum. 2013 ,		
768	Standing surface acoustic waves in LiNbO ₃ studied by time resolved X-ray diffraction at Petra III. 2013 , 3, 072127		11
767	Lithium Niobate on Silicon Dioxide Suspended Membranes: A Technology Platform for Engineering the Temperature Coefficient of Frequency of High Electromechanical Coupling Resonators. 2014 , 23, 1318-1329		12
766	Acousto-optic couplings in two-dimensional Lithium Niobate phoXonic crystal. 2014 , 68, 012006		
765	Partitioning of ionic species during growth of impurity-doped lithium niobate by electric current injection. 2014 , 406, 78-84		6
764	Optically transparent piezoelectric transducer for ultrasonic particle manipulation. 2014 , 61, 389-91		30
763	Temperature dependence of the acoustoelectric current in graphene. 2014 , 105, 263106		28
762	Preparation and characterization of LiNbO ₃ thin films by the aqueous citric gel method. 2014 ,		
761	Ferroelectric domain building blocks for photonic and nonlinear optical microstructures in LiNbO ₃ . <i>Journal of Applied Physics</i> , 2014 , 115, 124102	2.5	4
760	Size-controlled oriented crystallization in SiO ₂ -based glasses by femtosecond laser irradiation. 2014 , 31, 376		25
759	Simultaneous bandgaps in LiNbO ₃ phoxonic crystal slab. <i>Optics Express</i> , 2014 , 22, 16288-97	3.3	19
758	Evaluation of niobium dimethylamino-ethoxide for chemical vapour deposition of niobium oxide thin films. 2014 , 571, 94-101		3
757	One-step fabrication of free-standing flexible membranes reinforced with self-assembled arrays of carbon nanotubes. 2014 , 105, 153101		4

756	Unraveling the LiNbO ₃ X-cut surface by atomic force microscopy and density functional theory. 2014 , 89,		7
755	Method for Approximating Electron Beam Currents Accelerated by a Piezoelectric Transformer. 2014 , 42, 3579-3584		3
754	Isothermal formation kinetics of nanocrystals in LiNb 0.5 Ta 0.5 O 3 glass. 2014 , 615, 745-748		5
753	Relaxor-based ferroelectric single crystals: growth, domain engineering, characterization and applications. 2014 , 65, 124-210		354
752	Precise determination of full matrix of piezo-optic coefficients with a four-point bending technique: the example of lithium niobate crystals. 2014 , 53, B1-7		16
751	Third column electro-optical coefficients of zirconium-doped congruent lithium niobate crystals. <i>Optical Materials</i> , 2014 , 36, 1238-1242	3-3	8
750	Efficient enhanced 1.54 μ m emission in Er/Yb: LiNbO ₃ crystal codoped with Mg ²⁺ ions. <i>Optical Materials</i> , 2014 , 36, 1986-1990	3-3	7
749	Measurement of the internal stress and electric field in a resonating piezoelectric transformer for high-voltage applications using the electro-optic and photoelastic effects. 2014 , 85, 023101		11
748	Green up-conversion of swift C ⁵⁺ ion irradiated planar waveguide in Er ³⁺ , MgO codoped nearly stoichiometric LiNbO ₃ crystal. 2014 , 320, 22-25		5
747	An X-ray photoelectron spectroscopy study of BF ₃ adsorption on positively and negatively poled LiNbO ₃ (0001). 2014 , 626, 53-60		10
746	Influence of Proton Exchange on LiNbO ₃ Crystals Structure. 2014 , 466, 1-7		2
745	Piezoelectric and ferroelectric materials and structures for energy harvesting applications. 2014 , 7, 25-44		694
744	Hybrid ferroelectric polymer microfluidic device for dielectrophoretic self-assembling of nanoparticles. 2014 , 4, 2851-2857		28
743	Lithium diffusion in congruent LiNbO ₃ single crystals at low temperatures probed by neutron reflectometry. 2014 , 16, 3670-4		13
742	New Insights into Ferroelectric Domain Imaging with Piezoresponse Force Microscopy. 2014 , 205-226		1
741	Study of structural defects and crystalline perfection of near stoichiometric LiNbO ₃ crystals grown from flux and prepared by VTE technique. 2014 , 1075, 377-383		10
740	Acoustic filters based on thin single crystal LiNbO ₃ films: Status and prospects. 2014 ,		4
739	Fabrication and characterization of microring resonators in titanium diffused lithium niobate. 2014 ,		0

738	Investigations on crystalline structure and optical band gap of nearly stoichiometric LiNbO ₃ nanoparticles. <i>Optical Materials</i> , 2014 , 37, 804-809	3-3	4
737	Modeling LiNbO ₃ Surfaces at Ambient Conditions. 2014 , 118, 10213-10220		12
736	High-field terahertz bulk photovoltaic effect in lithium niobate. 2014 , 112, 146602		50
735	Influence of surface morphology and surface area on release behavior of hydrogen isotopes in LiNbO ₃ . 2014 , 89, 2797-2805		1
734	Electro-optical tunable waveguide embedded multiscan Bragg gratings in lithium niobate by direct femtosecond laser writing. <i>Optics Express</i> , 2014 , 22, 23339-48	3-3	44
733	On-chip generation and manipulation of entangled photons based on reconfigurable lithium-niobate waveguide circuits. 2014 , 113, 103601		192
732	Are lithium niobate (LiNbO ₃) and lithium tantalate (LiTaO ₃) ferroelectrics bioactive?. 2014 , 39, 395-402		30
731	Room temperature ferromagnetism of nonmagnetic element Ca-doped LiNbO ₃ films. 2014 , 10, 115-118		1
730	Nucleation and crystallization of Li ₂ ONb ₂ O ₅ ternary compound thin films co-sputtered from LiNbO ₃ and Li ₂ O targets. 2014 , 556, 74-80		2
729	Preparation of lithium niobate particles via reactive molten salt synthesis method. 2014 , 40, 1835-1841		38
728	Temperature dependent LiNbO ₃ (0001): Surface reconstruction and surface charge. 2014 , 301, 70-78		27
727	Utilizing dynamic annealing during ion implantation: synthesis of silver nanoparticles in crystalline lithium niobate. 2014 , 25, 135611		5
726	Ion-beam-induced thin film stress in lithium niobate. 2014 , 47, 265302		5
725	Microstructure and piezoelectric properties of c-axis ScAlN films on the Y-128° LiNbO ₃ substrate. 2015 , 284, 129-132		5
724	Dual-path source engineering in integrated quantum optics. 2015 , 92,		32
723	Photo-Hall effect in highly Mg-doped lithium niobate crystals. 2015 , 107, 191102		3
722	Epitaxial ZnO/LiNbO ₃ /ZnO stacked layer waveguide for application to thin-film Pockels sensors. 2015 , 5, 057163		8
721	Micro- and nano-domain engineering in lithium niobate. 2015 , 2, 040604		140

720	LiNbO ₃ : A photovoltaic substrate for massive parallel manipulation and patterning of nano-objects. 2015 , 2, 040605	58
719	Optical nonlinearities of small polarons in lithium niobate. 2015 , 2, 040606	52
718	Microstructure and defects probed by Raman spectroscopy in lithium niobate crystals and devices. 2015 , 2, 040602	67
717	Ferroelectric domain engineering by focused infrared femtosecond pulses. 2015 , 107, 141102	45
716	Growth, defect structure, and THz application of stoichiometric lithium niobate. 2015 , 2, 040601	68
715	Monolithic fabrication of quasi phase-matched waveguides by femtosecond laser structuring the $\chi^{(2)}$ nonlinearity. 2015 , 107, 101109	33
714	Bound electron polarons in lithium niobate. 2015 ,	
713	Lithium-rich vapor transport equilibration in single-crystal lithium niobate thin film at low temperature. 2015 , 5, 2634	11
712	Spatial mapping of focused surface acoustic waves in the investigation of high frequency strain induced changes. 2015 , 26, 255707	15
711	High responsivity of pyroelectric infrared detector based on ultra-thin (10 nm) LiTaO ₃ . 2015 , 26, 5400-5404	8
710	Multi-Physics Modeling and Simulation of Electro-Optical Sensing. 2015 , 1092-1093, 292-295	
709	Lithium niobate: wavelength and temperature dependence of the thermo-optic coefficient in the visible and near infrared. 2015 ,	3
708	Molecular beam epitaxy growth of niobium oxides by solid/liquid state oxygen source and lithium assisted metal-halide chemistry. 2015 , 425, 225-229	6
707	Degenerate modes of operation in lithium niobate sensors. 2015 ,	
706	Progress in Nonlinear Nano-Optics. 2015 ,	7
705	Surface charge regulation of osteogenic differentiation of mesenchymal stem cell on polarized ferroelectric crystal substrate. 2015 , 4, 998-1003	56
704	Optical and structural properties of single-crystal lithium niobate thin film. <i>Optical Materials</i> , 2015 , 42, 47-51	3-3 40
703	Surface mapping of field-induced piezoelectric strain at elevated temperature employing full-field interferometry. 2015 , 62, 88-96	5

702	Ultrabright continuously tunable terahertz-wave generation at room temperature. 2014 , 4, 5045	97
701	Effects of Lithium Niobate Polarization on Cell Adhesion and Morphology. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18113-9	9.5 44
700	Raman scattering efficiency in LiTaO3 and LiNbO3 crystals. 2015 , 91,	59
699	Electro-optical field sensor using single total internal reflection in electro-optical crystals. 2015 , 22, 623-628	2
698	Comparative study on optical properties of Yb3+ doped LiNbO3: MgO and LiNbO3:ZnO laser crystals. 2015 , 349, 94-97	3
697	Charged Domain Walls in Lithium Niobate with Inhomogeneous Bulk Conductivity. 2015 , 476, 109-116	5
696	Anisotropy of the magnetoelectric effect in tri-layered composites based on single-crystalline piezoelectrics. 2015 , 122, 286-292	13
695	Anisotropic diffraction of bulk acoustic wave beams in lithium niobate. 2015 , 63, 126-9	6
694	Orientalional Coherent Effects of High-Energy Particles in a LiNbO3 Crystal. 2015 , 115, 015503	7
693	Liquid Crystal (8CB) Molecular Adsorption on Lithium Niobate Z-Cut Surfaces. 2015 , 119, 9342-9346	10
692	Lithium-Niobate Mach-Zehnder Interferometer With Enhanced Index Contrast by SiO2 Film. 2015 , 27, 1224-1227	5
691	Electron Beam Domain Patterning of MgO-Doped Lithium Niobate Crystals Covered by Resist Layer. 2015 , 476, 117-126	12
690	Optimization of electrooptic and piezoelectric coupling effects in tetragonal relaxor-PT ferroelectric single crystals. 2015 , 640, 64-67	7
689	The modification of ferroelectric LiNbO3(0001) surfaces using chromium oxide thin films. 2015 , 17, 9488-98	12
688	Phonon dispersion and zero-point renormalization of LiNbO3 from density-functional perturbation theory. 2015 , 27, 385402	23
687	Self-suspended micro-resonators patterned in Z-cut lithium niobate membranes. 2015 , 5, 2081	20
686	Scalable fabrication of a hybrid field-effect and acousto-electric device by direct growth of monolayer MoS2/LiNbO3. 2015 , 6, 8593	66
685	Unusual Conductivity Increase Related to UV-light Assisted Domain Inversion in Mg-doped Lithium Niobate Crystals. 2015 ,	

684	Polaronic deformation at the Fe ^{2+/3+} impurity site in Fe:LiNbO ₃ crystals. 2015 , 91,	31
683	Acousto-optic tunable filter for imaging application with high performance in the IR region. 2015 ,	3
682	Anisotropy of the acousto-optic figure of merit for LiNbO ₃ crystals: isotropic diffraction. 2015 , 54, 8176-86	10
681	Piezoelectric materials for high temperature transducers and actuators. 2015 , 26, 9256-9267	68
680	Advantages and Challenges of Relaxor-PbTiO Ferroelectric Crystals for Electroacoustic Transducers- A Review. 2015 , 68, 1-66	404
679	TE/TM polarization splitters in LiNbO ₃ photonic wires. 2015 , 126, 184-186	
678	Lab-on-Fiber Technology. 2015 ,	41
677	NMR spin-lattice relaxation study of ⁷ Li and ⁹³ Nb nuclei in Ti- or Fe-doped LiNbO ₃ :Mg single crystals. 2016 , 6, 045102	3
676	Impact of the photorefractive and pyroelectric-electro-optic effect in lithium niobate on whispering-gallery modes. 2016 , 41, 5474-5477	13
675	Modeling of Microdevices for SAW-Based Acoustophoresis - A Study of Boundary Conditions. 2016 , 7,	16
674	Optical generation of single-cycle 10 MW peak power 100 GHz waves. <i>Optics Express</i> , 2016 , 24, 21059-69,3	7
673	Enhanced 2.7 μ m mid-infrared emissions of Er ³⁺ via Pr ³⁺ deactivation and Yb ³⁺ sensitization in LiNbO ₃ crystal. <i>Optics Express</i> , 2016 , 24, 25202-25210	33 17
672	Patterned ion-sliced lithium niobate for hybrid photonic integration on silicon. 2016 , 6, 2460	16
671	Fabrication of polarization-independent single-mode waveguides in lithium niobate crystal with femtosecond laser pulses. 2016 , 6, 2554	16
670	Growth of Large Size Lithium Niobate Single Crystals of High Quality by Tilting-mirror-type Floating Zone Method. 2016 , 19, 505-512	1
669	Theoretical and experimental characterisation of a SAW delay line through its Y-matrix. 2016 , 10, 394-401	0
668	LiTaO phonon dispersion and ferroelectric transition calculated from first principles. 2016 , 253, 683-689	16
667	Development of metal-bonded Langevin transducer using LiNbO ₃ . 2016 ,	

666	Electro-optic effect and photoelastic effect of ferroelectric relaxors. 2016 , 55, 10TB05		3
665	Laser excitation of transversal and longitudinal polar modes in lithium niobate and tantalate crystals. 2016 ,		1
664	Dislocation structures and electrical conduction properties of low angle tilt grain boundaries in LiNbO ₃ . <i>Journal of Applied Physics</i> , 2016 , 120, 142107	2.5	11
663	High-resolution, high-linearity temperature sensor using surface acoustic wave device based on LiNbO ₃ /SiO ₂ /Si substrate. 2016 , 6, 095317		15
662	Fabrication and parameters calculation of terahertz detector with resonance cavity structure. 2016 ,		
661	Impact of longitudinal fields on second harmonic generation in lithium niobate nanopillars. 2016 , 1, 061302		11
660	Diamond micro-milling of lithium niobate for sensing applications. 2016 , 26, 095005		16
659	Periodic domain inversion in x-cut single-crystal lithium niobate thin film. 2016 , 108, 152902		37
658	Ultrafast acousto-optic mode conversion in optically birefringent ferroelectrics. 2016 , 7, 12345		32
657	Plasmonic gold nanodiscs using piezoelectric substrate birefringence for liquid sensing. 2016 , 108, 251601		3
656	Dynamic Measurements of Magnetoelectricity in Metglas-Piezocrystal Laminates. 2016 , 227-265		4
655	A Lithium Niobate Piezoelectric Transformer Resonant High-Voltage Power Source. 2016 , 44, 808-815		3
654	Microwave emission by nonlinear crystals irradiated with a high-intensity, mode-locked laser. 2016 , 18, 065503		1
653	Laser-writing inside uniaxially birefringent crystals: fine morphology of ultrashort pulse-induced changes in lithium niobate. <i>Optics Express</i> , 2016 , 24, 7456-76	3.3	17
652	Laser-Optical and X-Ray Characterization of an Operating High-Voltage Piezoelectric Transformer in Multiple Vibrational Modes. 2016 , 44, 629-637		2
651	Fabrication of low-loss ridge waveguides in z-cut lithium niobate by combination of ion implantation and UV picosecond laser micromachining. 2016 ,		1
650	Engineering the Magnetoelectric Response in Piezocrystal-Based Magnetoelectrics: Basic Theory, Choice of Materials, Model Calculations. 2016 , 189-226		1
649	Design of nanobeam photonic crystal resonators for a silicon-on-lithium-niobate platform. <i>Optics Express</i> , 2016 , 24, 5876-85	3.3	16

648	Tunable angular-dependent second-harmonic generation in glass by controlling femtosecond laser polarization. 2016 , 33, 741	20
647	Direction-dependent RBS channelling studies in ion implanted LiNbO ₃ . 2016 , 379, 195-199	14
646	Optical-waveguiding properties of single-crystal LiNbO ₃ microwires and nanowires synthesized by hydrothermal method. 2016 ,	
645	Shift-current-induced strain waves in LiNbO ₃ mapped by femtosecond x-ray diffraction. 2016 , 94,	6
644	Physical aspects of ferroelectric semiconductors for photovoltaic solar energy conversion. 2016 , 653, 1-40	112
643	Formation mechanism and elimination methods for anti-site defects in LiNbO ₃ /LiTaO ₃ crystals. 2016 , 18, 8136-8146	16
642	A surface acoustic resonator with template-patterned interdigitated fingers. 2016 , 248, 73-77	
641	Molecular Beam Epitaxy Growth of High Crystalline Quality LiNbO ₃ . 2016 , 45, 6292-6299	10
640	Real structure influencing the hydrogen defect chemistry in congruent LiNbO ₃ and LiTaO ₃ . 2016 , 244, 108-115	8
639	Femtosecond laser precipitation of non-centrosymmetric crystals in glasses. 2016 ,	
638	Nonlinear optical properties of TeO ₂ -P ₂ O ₅ -ZnO-LiNbO ₃ glass doped with Er ³⁺ ions. <i>Optical Materials</i> , 2016 , 60, 456-461	3-3 4
637	Surface phonon polaritons on anisotropic piezoelectric superlattices. 2016 , 93,	6
636	Vibrational properties of LiNb _{1-x} Ta _x O ₃ mixed crystals. 2016 , 93,	15
635	LiNbO ₃ electronic structure: Many-body interactions, spin-orbit coupling, and thermal effects. 2016 , 93,	33
634	Chip-scale cavity optomechanics in lithium niobate. 2016 , 6, 36920	29
633	High-Q Micro/Nanoresonators for Nonlinear/Quantum Photonics and Sensing. 2016 ,	
632	Optical and structural properties of lanthanum doped lithium niobate thin films. 2016 , 502, 9-18	17
631	Terahertz phase modulator with graphene based metasurface. 2016 ,	1

630	Simulation of Ti-indiffused lithium niobate waveguides and analysis of their mode structure. 2016 , 741, 012141		1
629	Surface topography and dielectric properties of polished PMN-PT single crystals. 2016 , 65, 541-544		10
628	High on/off ratio nanosecond laser pulses for a triggered single-photon source. 2016 , 9, 072702		6
627	Integrated Acousto-Optic Device Modules and Applications. 2016 , 1-16		
626	Argon plasma inductively coupled plasma reactive ion etching study for smooth sidewall thin film lithium niobate waveguide application. <i>Optical Materials</i> , 2016 , 53, 1-5	3-3	48
625	The morphology and structure of vanadyl phthalocyanine thin films on lithium niobate single crystals. 2016 , 4, 348-351		2
624	Anisotropy of acousto-optic figure of merit for LiNbO3 crystals: anisotropic diffraction. 2016 , 55, 2439-50		8
623	Fabricated Optical Strip Waveguide of Nanophotonics Lithium Niobate. 2016 , 8, 1-10		11
622	Fundamental investigations of ultrashort-pulse micromachining of different types of crystalline lithium niobate. 2016 ,		
621	Frequency tuning of single photons from a whispering-gallery mode resonator to MHz-wide transitions. 2016 , 63, 2058-2073		12
620	Compact TE/TM polarization splitters for 1.31 and 1.55 μ m wavelengths in LiNbO3 photonic wires. 2016 , 127, 1203-1206		0
619	Topochemical Nitridation with Anion Vacancy-Assisted N(3-)/O(2-) Exchange. 2016 , 138, 3211-7		37
618	When Halides Come to Lithium Niobate Nanopowders Purity and Morphology Assistance. 2016 , 55, 2246-51		1
617	Size-controllable synthesis of lithium niobate nanocrystals using modified Pechini polymeric precursor method. 2016 , 125, 17-22		14
616	Magnetocapacitance effect in ferromagnetic LiNbO3 nanoparticles. 2016 , 407, 291-298		7
615	Phase-mismatched localized fields in A-PPLN waveguide devices. 2016 , 41, 400-3		
614	Twofold Self-Assembling of Nanocrystals Into Nanocomposite Polymer. 2016 , 22, 1-7		4
613	Functional Perovskites by Atomic Layer Deposition [An Overview]. 2017 , 4, 1600903		39

612	Characterization and Optimization of an Eight-Channel Time-Multiplexed Pulse-Shaping System. 2017 , 35, 173-185	2
611	Preparation of Lithium Containing Oxides by the Solid State Reaction of Atomic Layer Deposited Thin Films. 2017 , 29, 998-1005	11
610	Temperature transition of p- to n- type conduction in the LiNbO ₃ /Nb ₂ O ₅ polycrystalline films. 2017 , 191, 35-44	6
609	Integrated nonlinear optics: lithium niobate-on-insulator waveguides and resonators. 2017 ,	
608	Molecular Beam Epitaxy of lithium niobium oxide multifunctional materials. 2017 , 463, 156-161	6
607	Microwave characterization of graphene field effect transistors on lithium niobate ferroelectric substrates. 2017 , 4, 035042	3
606	Equivalent Magnetic Noise in Magnetolectric Laminates Comprising Bidomain LiNbO Crystals. 2017 , 64, 1102-1119	22
605	High-Q photonic resonators and electro-optic coupling using silicon-on-lithium-niobate. 2017 , 7, 46313	56
604	Investigation of Li/Nb-sublattices in ion implanted LiNbO ₃ by RBS and NRA in channelling configuration. 2017 , 409, 126-132	5
603	Electric field distribution during polarization reversal in lithium niobate with inhomogeneous bulk conductivity. 2017 , 508, 26-30	
602	Highly efficient flexible piezoelectric nanogenerator and femtosecond two-photon absorption properties of nonlinear lithium niobate nanowires. <i>Journal of Applied Physics</i> , 2017 , 121, 175103	2.5 8
601	Optical properties of Mg ²⁺ , Yb ³⁺ , and Ho ³⁺ tri-doped LiNbO ₃ crystals. 2017 , 26, 044207	4
600	Experimental determination of the interatomic potential in LiNbO ₃ via ultrafast lattice control. 2017 , 110, 162901	20
599	Charge transport in LiNbO ₃ -based heterostructures. 2017 , 26, 1750011	9
598	Surface modification of LiNbO ₃ and KTa _{1-x} Nb _x O ₃ crystals irradiated by intense pulsed ion beam. 2017 , 409, 309-313	
597	Effects of mechanical processing and annealing on optical coherence properties of Er ³⁺ :LiNbO ₃ powders. 2017 , 191, 2-12	5
596	Strength distribution and fracture analyses of LiNbO ₃ and LiTaO ₃ single crystals under biaxial loading. 2017 , 37, 4397-4406	16
595	LiNbO ₃ :Pr : A Multipiezo Material with Simultaneous Piezoelectricity and Sensitive Piezoluminescence. 2017 , 29, 1606914	122

594	Fabrication of graded index single crystal in glass. 2017 , 7, 44327		23
593	Passive Tuning of Optical Couplers Using a Thin-Film Cladding Material. 2017 , 29, 775-778		1
592	Optical properties of lithium niobate and lithium tantalate crystals with impurities and defects. 2017 , 25, 10-19		11
591	Grating Coupler for an On-Chip Lithium Niobate Ridge Waveguide. 2017 , 9, 1-8		26
590	Pyroelectric energy harvesting for water splitting. 2017 , 42, 23437-23445		43
589	Ferroelectric glass-ceramics. 2017 , 42, 213-219		11
588	Periodic disruptions induced by high repetition rate femtosecond pulses on magnesium-oxide-doped lithium niobate surfaces. 2017 , 27, 026101		
587	Reducing the thermal stress in a heterogeneous material stack for large-area hybrid optical silicon-lithium niobate waveguide micro-chips. <i>Optical Materials</i> , 2017 , 66, 605-610	3-3	7
586	Generation and tunable enhancement of a sum-frequency signal in lithium niobate nanowires. 2017 , 50, 044002		13
585	Effect of point defects on Curie temperature of lithium niobate. 2017 , 100, 1118-1124		3
584	Z-scan analysis of elliptical Gaussian beams in Kerr media through the variational method: Toward integrative analytic solutions of Z-scan. 2017 , 17, 290-297		
583	Piezo-generated charge mapping revealed through direct piezoelectric force microscopy. 2017 , 8, 1113		32
582	Broadband characterization of congruent lithium niobate from mHz to optical frequencies. 2017 , 50, 36LT01		7
581	Shaping the light distribution with facet designs in lithium niobate nanowaveguides. 2017 , 111, 083101		1
580	Facile Fabrication of a Flexible LiNbO Piezoelectric Sensor through Hot Pressing for Biomechanical Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 34687-34695	9-5	19
579	Many-body effects in doped graphene on a piezoelectric substrate. 2017 , 96,		1
578	LiNbO surfaces from a microscopic perspective. 2017 , 29, 413001		39
577	Physical characteristics of PbO ₂ /rO ₂ /BiO ₂ :TiO ₂ glass ceramics embedded with Pb ₂ Ti ₂ O ₆ cubic pyrochlore crystal phase: Part-II piezo-optical acoustic and elastic properties. 2017 , 725, 318-325		9

576	Imaging ferroelectric domains via charge gradient microscopy enhanced by principal component analysis. 2017 , 3, 280-285		4
575	Generation of broadband surface acoustic waves using a dual temporal-spatial chirp method. 2017 , 142, EL108		8
574	Abnormal elemental redistribution in silicate glasses irradiated by ultrafast laser. 2017 , 727, 444-448		2
573	An organic-inorganic perovskite ferroelectric with large piezoelectric response. 2017 , 357, 306-309		506
572	White Paper: Nanoscale impedance and permittivity properties at microwave frequencies using SMM. 2017 , 42, 180-182		
571	Nano- and Microdomain Engineering of Lithium Niobate and Lithium Tantalate for Piezoelectric Applications. 2017 , 235-270		13
570	Asymmetric adiabatic couplers for fully-integrated broadband quantum-polarization state preparation. 2017 , 7, 16841		2
569	Analytic model for Rayleigh wave propagation in piezoelectric layer overlaid orthotropic substratum. 2017 , 228, 495-529		23
568	Pyroelektrische Röntgenquellen zum Einsatz in der Materialanalyse. 2017 , 29, 36-41		
567	Toolbox for the design of LiNbO ₃ -based passive and active integrated quantum circuits. 2017 , 19, 123009		37
566	Passive tuning of optical couplers using a thin-film cladding material. 2017 ,		
565	Lithium Niobate MEMS Chirp Compressors for Near Zero Power Wake-Up Radios. 2017 , 26, 1204-1215		24
564	Waveguide gratings in thin-film lithium niobate on insulator. 2017 ,		1
563	Control of Domain Structure in Artificial Ni Wires Fabricated on an LiNbO ₃ Substrate. 2017 , 53, 1-4		8
562	. 2017 ,		
561	Low-loss 3D-laser-written mid-infrared LiNbO ₃ depressed-index cladding waveguides for both TE and TM polarizations. <i>Optics Express</i> , 2017 , 25, 3722-3736	3-3	16
560	Nonlinearities of organic electro-optic materials in nanoscale slots and implications for the optimum modulator design. <i>Optics Express</i> , 2017 , 25, 2627-2653	3-3	75
559	Formation of curved nanostructures on lithium niobate surfaces using femtosecond laser pulses. <i>Optics Express</i> , 2017 , 25, 10843-10852	3-3	1

558	Nonlinear optical oscillation dynamics in high-Q lithium niobate microresonators. <i>Optics Express</i> , 2017 , 25, 13504-13516	3-3	35
557	Accurate measurement of electro-optic coefficients of undoped and MgO-doped stoichiometric LiNbO ₃ . 2017 , 7, 939		9
556	Grating coupler on lithium niobate thin film waveguide with a metal bottom reflector. 2017 , 7, 4010		36
555	Amorphous silicon-lithium niobate thin film strip-loaded waveguides. 2017 , 7, 4018		22
554	Geometric tuning: spectroscopy using whispering-gallery resonator frequency-synthesizers. 2017 , 4, 1205		6
553	High-quality lithium niobate photonic crystal nanocavities. 2017 , 4, 1251		86
552	Nonlinear mode switching in lithium niobate nanowaveguides to control light directionality. <i>Optics Express</i> , 2017 , 25, 3013-3023	3-3	7
551	Fast response of photorefraction in lithium niobate microresonators. 2017 , 42, 3267-3270		35
550	Electro-optically induced topological reactions of optical indicatrix orientation and polarization state defects. 2017 , 56, 9613-9619		0
549	Control of Intrinsic Defects in Lithium Niobate Single Crystal for Optoelectronic Applications. 2017 , 7, 23		30
548	Modal birefringence-free lithium niobate waveguides. 2017 , 42, 3578-3581		11
547	Dynamic modulation of refractive index in Y-X LiNbO ₃ slab through lamb wave. 2017 ,		
546	Birefringence-free lithium niobate waveguides. 2017 ,		
545	Enhanced second-harmonic generation in lithium niobate nanowires used for localized light delivery. 2017 , 237-263		
544	First-principles calculations of LiNbO ₃ optical properties: From far-infrared to ultraviolet. 2018 , 32, 1850063		5
543	Competitive Halogen Bond in the Molecular Ferroelectric with Large Piezoelectric Response. 2018 , 140, 3975-3980		106
542	Surface and interface properties of polar thin films on a ferroelectric substrate: ZnO on LiNbO ₃ (0001) and (000 1̄). 2018 , 36, 021511		1
541	Piezoelectric characterization of Sc _{0.26} Al _{0.74} N layers on Si (001) substrates. 2018 , 5, 036407		6

540	Intrinsic energy conversions for photon-generation in piezo-phototronic materials: A case study on alkaline niobates. 2018 , 47, 150-171	26
539	Structural, electronic and optical properties of LiNbO ₃ using GGA-PBE and TB-mBJ functionals: A DFT study. 2018 , 32, 1850168	14
538	Evolution of the composition, structure, and piezoelectric performance of (K _{1-x} Nax)NbO ₃ nanorod arrays with hydrothermal reaction time. 2018 , 112, 142904	4
537	Low-frequency magnetic sensing by magnetoelectric metglas/bidomain LiNbO ₃ long bars. 2018 , 51, 214001	22
536	High-performance piezoelectric energy harvesting of vertically aligned Pb(Zr,Ti)O nanorod arrays.. 2018 , 8, 7422-7427	32
535	Heterojunction-induced magnetic anisotropy and magnetization reversal of Ni wires on LiNbO ₃ substrate. 2018 , 453, 107-113	8
534	Metal Oxides in Photovoltaics: All-Oxide, Ferroic, and Perovskite Solar Cells. 2018 , 267-356	22
533	Enhancement of Nonlinear Optical Phenomena by Localized Resonances. <i>ACS Photonics</i> , 2018 , 5, 1521-1527	5
532	Optimization of pyroelectric electron sources for the generation of x-rays for x-ray fluorescence applications. 2018 , 36, 02C101	3
531	Diminish electrostatic in piezoresponse force microscopy through longer or ultra-stiff tips. 2018 , 439, 577-582	38
530	Domain shape instabilities and dendrite domain growth in uniaxial ferroelectrics. 2018 , 376,	11
529	Incipient plasticity and surface damage in LiTaO ₃ and LiNbO ₃ single crystals. 2018 , 153, 221-231	20
528	Growth and mechanical properties of near-stoichiometric LiNbO ₃ crystal. 2018 , 164, 385-389	2
527	Atomistic origins of the differences in anisotropic fracture behaviour of LiTaO ₃ and LiNbO ₃ single crystals. 2018 , 150, 373-380	12
526	Evolution of domain structure and formation of charged domain walls during polarization reversal in lithium niobate single crystals modified by vacuum annealing. 2018 , 60, 103-107	1
525	Optical features of novel fluorotellurite glasses based on TeO ₂ - LiNbO ₃ - BaF ₂ - La ₂ O ₃ - (Nb ₂ O ₅ or TiO ₂). 2018 , 156, 720-727	9
524	Electro-Optic Organic-Inorganic Hybrids for Signal Modulation. 2018 ,	
523	Piezoelectric Hafnium Oxide Thin Films for Energy-Harvesting Applications. 2018 ,	8

522	Microwave Radiation Coupling into a WGM Resonator for a High-Photonic-Efficiency Nonlinear Receiver. 2018 ,		2
521	Non-destructive characterization of surfaces and thin coatings using a large-bandwidth interdigital transducer. 2018 , 89, 124901		5
520	Mode tailoring of laser written waveguides in LiNbO3 crystals by multi-scan of femtosecond laser pulses. <i>Optical Materials</i> , 2018 , 86, 571-575	3-3	8
519	Integration of quantum dots with lithium niobate photonics. 2018 , 113, 221102		35
518	Ferroelectric Polarization Rotation in Order-Disorder-Type LiNbO Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41471-41478	9-5	6
517	Simulation and Analysis of Single-Mode Microring Resonators in Lithium Niobate Thin Films. 2018 , 8, 342		11
516	Transient transmission oscillations in doped and undoped lithium niobate induced by near-infrared femtosecond pulses. 2018 , 33, 4207-4214		0
515	Theory of the Photovoltaic and Light-Induced Effects in Multiferroics. 2018 , 195-238		
514	High extinction ratio integrated optical modulator for quantum telecommunication systems. 2018 , 951, 012002		9
513	Hybrid photosensitive structures based on nematic liquid crystals and lithium niobate substrates. 2018 , 4, 14-21		3
512	Epitaxial ferroelectric oxide thin films for optical applications. 2018 , 5, 041108		26
511	Thermally induced multi-wavelength filtering in electro-optic long period Ti:LiNbO3 waveguide grating. 2018 , 124, 1		2
510	Materials science applications of Neutron Depth Profiling at the PGAA facility of Heinz Maier-Leibnitz Zentrum. 2018 , 146, 127-134		11
509	Self-Organized Formation of Quasi-Regular Ferroelectric Nanodomain Structure on the Nonpolar Cuts by Grounded SPM Tip. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 36211-36217	9-5	16
508	Synthesis and thermoluminescence of erbium-activated lithium niobate. 2018 , 142, 64-70		3
507	Effects of Birefringence on the Electromagnetic Guidance of Structures Produced by Femtosecond Laser. 2018 , 17, 217-228		
506	First-Principles Calculations on Ferroelectrics for Energy Applications. 2018 , 311-348		1
505	Modulator material impact on chirp, DSP, and performance in coherent digital links: comparison of the lithium niobate, indium phosphide, and silicon platforms. <i>Optics Express</i> , 2018 , 26, 22471-22490	3-3	11

504	High-Brightness and Continuously Tunable Terahertz-Wave Generation. 2018,	0
503	Enhancing Photocurrent of Radially Polarized Ferroelectric BaTiO Materials by Ferro-Pyro-Phototronic Effect. 2018, 3, 208-216	43
502	Heterogeneous Thin-Film Lithium Niobate Integrated Photonics for Electrooptics and Nonlinear Optics. 2018, 24, 1-12	21
501	Optical Gating of Graphene on Photoconductive Fe:LiNbO. 2018, 12, 5940-5945	19
500	Interferometric imaging of nonlocal electromechanical power transduction in ferroelectric domains. 2018, 115, 5338-5342	8
499	Photoluminescence of Copper-Doped Lithium Niobate Crystals. 2018, 60, 906-911	
498	Magnetolectric metglas/bidomain y + 140°-cut lithium niobate composite for sensing FT magnetic fields. 2018, 112, 262906	31
497	Investigating translational motion of a dual friction-drive surface acoustic wave motor through modeling and finite element simulation. 2018, 003754971877877	7
496	Visualization of Surface-Acoustic-Wave Potential by Transmission-Mode Microwave Impedance Microscopy. 2018, 9,	13
495	Surface Chemistry Controls Anomalous Ferroelectric Behavior in Lithium Niobate. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 29153-29160	9.5 13
494	Rare earth ions feel the electric: A novel strategy to obtain efficient near-infrared photoluminescence. 2018, 768, 407-414	1
493	Cavity Enhancement of Anti-Stokes Scattering via Optomechanical Coupling with Surface Acoustic Waves. 2018, 10,	6
492	Understanding the effect of surface flaws on the strength distribution of brittle single crystals. 2018, 101, 5705-5716	7
491	Silicon grating coupler on a lithium niobate thin film waveguide. 2018, 8, 1253	13
490	Nonlinear frequency conversion in one dimensional lithium niobate photonic crystal nanocavities. 2018, 113, 021104	22
489	Structural and Magnetic Behavior of Oxidized and Reduced Fe Doped LiNbO ₃ Powders. 2018, 8, 108	9
488	Analysis of Waveguides on Lithium Niobate Thin Films. 2018, 8, 191	7
487	Optical Absorption and Reflectivity of a Molecular Cluster of Lithium Niobate Adsorbed on a Graphene Layer. 2018, 8, 208	3

486	Tailorable Optical Response of Au@LiNbO ₃ Hybrid Metamaterial Thin Films for Optical Waveguide Applications. 2018 , 6, 1800510	24
485	Tunable photonic band gaps in Lithium Niobate slab waveguide through Lamb waves. 2018 , 50, 1	
484	Femtosecond laser-induced periodic surface structures on lithium niobate crystal benefiting from sample heating. 2018 , 6, 789	15
483	Electrical driving of X-band mechanical waves in a silicon photonic circuit. 2018 , 3, 086102	17
482	Photoinduced Enhanced Raman from Lithium Niobate on Insulator Template. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30871-30878	9.5 11
481	Refractive index modulation in LiNbO ₃ : MgO slab through Lamb wave. 2018 ,	
480	Design of SAW sensor for longitudinal strain measurement with improved sensitivity. 2019 , 25, 351-359	5
479	Comparative study of the ion-slicing mechanism of Y-cut LiNbO ₃ . 2019 , 9, 085001	2
478	Characterizing Ferroelectricity with an Atomic Force Microscopy: An All-Around Technique. 2019 , 173-203	
477	Determination of the Chemical Composition of Lithium Niobate Powders. 2019 , 9, 340	7
476	Record-high thermal stability achieved in a novel single-component all-organic ferroelectric crystal exhibiting polymorphism. 2019 , 55, 9610-9613	6
475	Functional Oxides for Photoneuromorphic Engineering: Toward a Solar Brain. 2019 , 6, 1900471	14
474	Semiconductor Quantum Dots for Integrated Quantum Photonics. 2019 , 2, 1900020	29
473	Electrical Atomic Force Microscopy for Nanoelectronics. 2019 ,	12
472	A metasurface comprising spiral shaped local resonators for surface acoustic waves. 2019 , 52, 345306	2
471	Structural and dielectric studies for the conduction mechanism analyses of lithium-niobate oxide ferroelectric ceramics. 2019 , 571, 181-187	7
470	Effects of A-site ionic size on the phase transition behavior of lead-free niobate ceramics. 2019 , 45, 20323-20330	
469	. 2019 , 13, 18-33	23

468	Mid-Infrared Electro-Optical Modulation Using Monolithically Integrated Titanium Dioxide on Lithium Niobate Optical Waveguides. 2019 , 9, 15130		8
467	Analogy between growth of crystals and ferroelectric domains. Application of Wulff construction. 2019 , 526, 125236		5
466	Three-Dimensional Numerical Modeling of Surface-Acoustic-Wave Devices: Acoustophoresis of Micro- and Nanoparticles Including Streaming. 2019 , 12,		22
465	In praise and in search of highly-polarizable semiconductors: Technological promise and discovery strategies. 2019 , 7, 100902		9
464	Shutdown of the Proton Exchange Channel Waveguide in the Phase Modulator under the Influence of the Pyroelectric Effect. 2019 , 9, 4585		4
463	High performance Terahertz Absorption of Nanostructured NiCr Film for a pyroelectric detector. 2019 ,		1
462	Review of high-throughput approaches to search for piezoelectric nitrides. 2019 , 37, 060803		8
461	Design and Optimization of Proton Exchanged Integrated Electro-Optic Modulators in X-Cut Lithium Niobate Thin Film. 2019 , 9, 549		4
460	Fabrication Of Lithium Niobate Bulk Acoustic Resonator For 5G Filters. 2019 ,		6
459	Generalized Dynamic Analytical Model of Piezoelectric Materials for Characterization Using Electrical Impedance Spectroscopy. 2019 , 12,		3
458	Time evolution of Symmetry-forbidden Raman lines activated by photorefractivity. 2019 , 9, 13408		1
457	Second harmonic microscopy of poled x-cut thin film lithium niobate: Understanding the contrast mechanism. <i>Journal of Applied Physics</i> , 2019 , 126, 114105	2.5	16
456	Ferroelectric domain engineering of lithium niobate single crystal confined in glass. 2019 , 9, 334-339		5
455	Focusing of x-rays emitted by a pyroelectric x-ray generator for micro x-ray fluorescence. 2019 , 37, 011203		4
454	Effects of atmosphere, metal films, temperatures and holding time on the surface topography and electrical conductivity of LiNbO3 single crystals. 2019 , 45, 9736-9753		5
453	Optofluidic platform using liquid crystals in lithium niobate microchannel. 2019 , 9, 1062		10
452	On Fabry-Pérot Etalon-based Instruments. II. The Anisotropic (Birefringent) Case. 2019 , 242, 21		3
451	Observation of Kerr nonlinearity and Kerr-like nonlinearity induced by terahertz generation in LiNbO3. 2019 , 114, 201102		1

450	Multilevel Static-Dynamic Anticounterfeiting Based on Stimuli-Responsive Luminescence in a Niobate Structure. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20150-20156	9.5	40
449	Ferroelectric, Optical, and Photovoltaic Properties of Morphotropic Phase Boundary Compositions in the $\text{PbTiO}_3\text{BiFeO}_3\text{Bi}(\text{Ni}_{1/2}\text{Ti}_{1/2})\text{O}_3$ System. 2019 , 31, 4184-4194		21
448	Ultra-low-loss integrated visible photonics using thin-film lithium niobate. 2019 , 6, 380		100
447	Low-Frequency Vibration Energy Harvesting With Bidomain LiNbO_3 Single Crystals. 2019 , 66, 1480-1487		14
446	Ultrafast-laser vitrification of laser-written crystalline tracks in oxide glasses. 2019 , 516, 1-8		9
445	High efficiency second harmonic generation of nanojoule-level femtosecond pulses in the visible based on BiBO. 2019 , 7,		2
444	Enhanced structural, optical, thermal, mechanical and electrical properties by a novel approach (nanoparticle doping) on ferroelectric triglycine sulphate single crystal. 2019 , 125, 1		17
443	A molecular perovskite solid solution with piezoelectricity stronger than lead zirconate titanate. 2019 , 363, 1206-1210		253
442	High-Q 2D Lithium Niobate Photonic Crystal Slab Nanoresonators. 2019 , 13, 1800228		16
441	Shear Piezoelectric and Dielectric Properties of $\{\text{LiNbO}_3\}_3$, PMN-PT and PZT-5A at Low Temperatures. 2019 , 194, 285-301		2
440	Lithium Niobate Nanocubes as Linear and Nonlinear Ultraviolet Mie Resonators. <i>ACS Photonics</i> , 2019 , 6, 545-552	6.3	27
439	Sliding-friction-dependent stress at the graphene/ LiNbO_3 interface around the critical temperature of the stress-free state. 2019 , 9, 025316		2
438	Lithium Niobate Metasurfaces. 2019 , 13, 1800312		28
437	Femtosecond Laser-Induced Crystallization in Glasses: Growth Dynamics for Orientable Nanostructure and Nanocrystallization. 2019 , 19, 2189-2205		20
436	Experimental Setup of the Fast Current Controller for the Buenos Aires Heavy Ion Microbeam. 2019 , 3, 10		
435	Self-starting bi-chromatic LiNbO_3 soliton microcomb. 2019 , 6, 1138		121
434	Active Damping of Dynamical Structures Using Piezo Self Sensing. 2019 , 52, 543-548		0
433	Electro-optic entanglement source for microwave to telecom quantum state transfer. 2019 , 5,		28

432	Two rare-earth-based quaternary chalcogenides EuCdGeQ (Q = S, Se) with strong second-harmonic generation. 2019 , 48, 17620-17625	24
431	Piezoelectric materials for catalytic/photocatalytic removal of pollutants: Recent advances and outlook. 2019 , 241, 256-269	229
430	Piezoelectric energy harvesters for biomedical applications. 2019 , 57, 879-902	115
429	The Study on Magnetization Reversal of Stripe-Domain Structure in Ni Wires Fabricated on a LiNbO ₃ Substrate. 2019 , 55, 1-4	1
428	Composition dependence of the electro-optic properties of iron-doped lithium niobate crystals mounted as bulk modulator. 2019 , 102, 3535-3546	1
427	Thermally Induced Magnetic Anisotropy in Nickel Films on Surface Acoustic Wave Devices. 2019 , 55, 1-4	10
426	Analysis of a Length Extensional Piezoelectric Transformer for Compact and Efficient Particle Acceleration. 2019 , 47, 313-323	
425	Effect of Defects on Spontaneous Polarization in Pure and Doped LiNbO ₃ —First-Principles Calculations. 2018 , 12,	10
424	Epitaxial growth and dielectric characterization of atomically smooth 0.5Ba(Zr _{0.2} Ti _{0.8})O ₃ 0.5(Ba _{0.7} Ca _{0.3})TiO ₃ thin films. 2019 , 37, 011502	4
423	High piezoelectricity of BiScO ₃ -PbTiO ₃ ceramics prepared by two step sintering. 2019 , 241, 55-59	17
422	Enhanced nonlinear optical properties of LiNbO ₃ crystal embedded with CuZn alloy nanoparticles by ion implantation. 2019 , 778, 691-698	12
421	Synergy between pyroelectric and photovoltaic effects for optoelectronic nanoparticle manipulation. <i>Optics Express</i> , 2019 , 27, 804-815	33 12
420	The electromechanical features of LiNbO ₃ crystal for potential high temperature piezoelectric applications. 2019 , 5, 73-80	25
419	. 2019 , 47, 128-135	2
418	Ultra-fast tuning of refractive index in Lithium Niobate slab by GHz acoustic wave. 2019 , 178, 256-262	0
417	Scattering phenomenon of qP wave at the interface of FGPM and piezoelectric medium. 2019 , 29, 435-455	5
416	Tailorable Dynamics in Nonlinear Optical Metasurfaces. 2020 , 32, e1806317	21
415	A review on piezo-/ferro-electric properties of morphologically diverse ZnO nanostructures. 2020 , 816, 152491	36

4 ¹⁴	Epitaxial, electro-optically active barium titanate thin films on silicon by chemical solution deposition. 2020 , 103, 1209-1218		7
4 ¹³	Ferroelectric Sr _{0.6} Ba _{0.4} Nb ₂ O ₆ thin film based broadband waveguide coupled surface plasmon electro-optic modulator. 2020 , 122, 105880		4
4 ¹²	Bibliography. 2020 , 291-303		
4 ¹¹	The growth and characterization of six inch lithium niobate crystals with high homogeneity. 2020 , 22, 794-801		9
4 ¹⁰	On-demand sample injection: combining acoustic actuation with a tear-drop shaped nozzle to generate droplets with precise spatial and temporal control. 2020 , 20, 253-265		7
4 ⁰⁹	Piezoelectrics. 2020 , 157-206		1
4 ⁰⁸	Electro-optically, widely tunable optical parametric oscillator based on periodically poled lithium niobate. 2020 , 459, 125077		1
4 ⁰⁷	Utilizing plane group symmetry to favor noncentrosymmetry in three-dimensional crystals. 2020 , 98, 327-331		
4 ⁰⁶	Small-Polaron Hopping and Low-Temperature (45-25 K) Photo-Induced Transient Absorption in Magnesium-Doped Lithium Niobate. 2020 , 10, 809		2
4 ⁰⁵	A hybrid (Al)GaAs-LiNbO ₃ surface acoustic wave resonator for cavity quantum dot optomechanics. 2020 , 117, 121106		7
4 ⁰⁴	Reversed domains in x-cut lithium niobate thin films. <i>Optical Materials</i> , 2020 , 109, 110364	3-3	3
4 ⁰³	Enabling Higher Order Lamb Wave Acoustic Devices With Complementarily Oriented Piezoelectric Thin Films. 2020 , 29, 1332-1346		10
4 ⁰²	Effect of interface electric field on partitioning during the growth of conventional and true congruent-melting LiNbO ₃ crystals. 2020 , 549, 125864		1
4 ⁰¹	Second-Harmonic Generation in Resonant Nonlinear Metasurfaces Based on Lithium Niobate. 2020 , 20, 8608-8614		35
4 ⁰⁰	Low-Loss Unidirectional Acoustic Focusing Transducer in Thin-Film Lithium Niobate. 2020 , 67, 2731-2737		4
399	Rejuvenating a Versatile Photonic Material: Thin-Film Lithium Niobate. 2020 , 14, 2000088		34
398	High frequency lithium niobate film-thickness-mode optomechanical resonator. 2020 , 117, 131104		8
397	OES diagnostic of SF ₆ /Ar gas mixture of ICP discharges for LiNbO ₃ etching. 2020 , 919, 022018		3

396	Nonlinear Bound States in the Continuum of Etchless Lithium Niobate Metasurfaces. 2020 , 12, 1-9		3
395	Lithium Niobate Single Crystals and Powders Reviewed Part I. 2020 , 10, 973		7
394	Tunable Electromagnetically Induced Transparency-Like Spectrum in Lithium Niobate on Insulator Platform With Narrow Linewidth. 2020 , 12, 1-8		1
393	Coupled Nanogenerators for New Physical Effects. 2020 , 337-355		
392	Simultaneous tuning of optical and electrical properties in a multifunctional LiNbO matrix upon doping with Eu ions.. 2020 , 10, 31070-31086		12
391	High harmonic optomechanical oscillations in the lithium niobate photonic crystal nanocavity. 2020 , 117, 081102		6
390	Optically Reconfigurable Graphene/Metal Metasurface on Fe:LiNbO ₃ for Adaptive THz Optics. 2020 , 3, 9494-9501		2
389	Imaging Acoustic Waves by Microwave Microscopy: Microwave Impedance Microscopy for Visualizing Gigahertz Acoustic Waves. 2020 , 21, 60-71		5
388	Nanobenders as efficient piezoelectric actuators for widely tunable nanophotonics at CMOS-level voltages. 2020 , 3,		3
387	Ytterbium-implanted photonic resonators based on thin film lithium niobate. <i>Journal of Applied Physics</i> , 2020 , 128, 084302	2.5	9
386	Design rules for strong electro-optic materials. 2020 , 6,		12
385	Lithium Niobate Optomechanical Disk Resonators. 2020 ,		
384	Slow Surface Acoustic Waves via Lattice Optimization of a Phononic Crystal on a Chip. 2020 , 14,		3
383	Domain engineering in LiNbO ₃ crystals by e-beam and features of spatial distribution of electric field: Experiment and computer simulation. <i>Journal of Applied Physics</i> , 2020 , 128, 144101	2.5	5
382	Single-Crystal Lithium Niobate Piezoelectric Disk Gyroscope. 2020 ,		2
381	Incorporation of erbium ions into thin-film lithium niobate integrated photonics. 2020 , 116, 151103		20
380	Best stochastics model for percentage of transmittance of lithium niobate affected by wavelength of visible light. 2020 , 558, 222-239		1
379	Control of strong-field ionization in ferroelectric lithium niobate: Role of the spontaneous polarization. 2020 , 101,		1

378	Insulator-to-Metal Transition of Cr ₂ O ₃ Thin Films via Isovalent Ru ³⁺ Substitution. 2020 , 32, 5272-5279		3
377	Perovskite-Type CuNbO ₃ Exhibiting Unusual Noncollinear Ferrielectric to Collinear Ferroelectric Dipole Order Transition. 2020 , 32, 5016-5027		4
376	Ferroelectric Domain Wall Memristor. 2020 , 30, 2000109		47
375	Optimized, Omnidirectional Surface Acoustic Wave Source: 152° Y-Rotated Cut of Lithium Niobate for Acoustofluidics. 2020 , 67, 2176-2186		5
374	Poling thin-film x-cut lithium niobate for quasi-phase matching with sub-micrometer periodicity. <i>Journal of Applied Physics</i> , 2020 , 127, 193104	2.5	16
373	A novel SAW temperature-humidity-pressure (THP) sensor based on LiNbO ₃ for environment monitoring. 2020 , 53, 375401		5
372	Polarization reversal in lithium niobate with inhomogeneous stoichiometry deviation. 2020 , 559, 102-108		3
371	Analysis of Electronic and Optical Properties of Pristine LiNbO ₃ Using First-Principle Calculations. 2020 ,		
370	A Simple Method for Photoconductivity Measurement in Lithium Niobate. 2020 , 10, 461		
369	High-Speed FBG Interrogation With Electro-Optically Tunable Sagnac Loops. 2020 , 38, 4513-4519		6
368	Synthesis Techniques and Applications of Perovskite Materials. 2020 ,		2
367	Piezoelectric Transduction of a Wavelength-Scale Mechanical Waveguide. 2020 , 13,		17
366	Polarization sensitive microstructures fabricated on lithium niobate surfaces by using femtosecond laser pulses. <i>Optics Express</i> , 2020 , 28, 7165-7174	3.3	
365	Self-assembled shape evolution of the domain wall and formation of nanodomain wall traces induced by multiple IR laser pulse irradiation in lithium niobate. <i>Journal of Applied Physics</i> , 2020 , 127, 094103	2.5	5
364	5-GHz Antisymmetric Mode Acoustic Delay Lines in Lithium Niobate Thin Film. 2020 , 68, 573-589		21
363	Laser polarization dependence of strong-field ionization in lithium niobate. 2020 , 101,		0
362	Plasmonic monolithic lithium niobate directional coupler switches. 2020 , 11, 748		18
361	Polarity Control of ZnO Films Grown on Ferroelectric (0001) LiNbO Substrates without Buffer Layers by Pulsed-Laser Deposition. 2020 , 10,		1

360	Efficient bidirectional piezo-optomechanical transduction between microwave and optical frequency. 2020 , 11, 1166			71
359	Predictions on structural, electronic, optical and thermal properties of lithium niobate via first-principle computations. 2020 , 100, 1150-1171			6
358	S-band delay lines in suspended lithium niobate. <i>Journal of Applied Physics</i> , 2020 , 127, 054501	2.5		6
357	An all-optical technique enables instantaneous single-shot demodulation of images at high frequency. 2020 , 11, 549			8
356	Dispersion Measurement of Electro-Optic Coefficient $\chi^{(2)}$ of Lithium Niobate Based on Photoelastic Modulation. 2020 , 10, 395			2
355	Type I phase matching in thin film of lithium niobate on insulator. <i>Results in Physics</i> , 2020 , 16, 103011	3.7		8
354	Ultrafast reversal of the ferroelectric polarization by a midinfrared pulse. 2020 , 101,			7
353	GHz Broadband SH0 Mode Lithium Niobate Acoustic Delay Lines. 2020 , 67, 402-412			18
352	Dual Vibration and Magnetic Energy Harvesting With Bidomain LiNbO-Based Composite. 2020 , 67, 1219-1229		11	
351	A Unidirectional Transducer Design for Scaling GHz AlN-Based RF Microsystems. 2020 , 67, 1250-1257			4
350	Cleavage and surface energies of LiNbO ₃ . 2020 , 193, 338-349			6
349	. 2020 ,			0
348	Hybrid plasmonic-phononic cavity design for enhanced optomechanical coupling in lithium niobate. 2020 , 10, 1395-1407			3
347	Integrated electro-optic modulators in x-cut lithium niobate thin film. 2020 , 212, 164691			5
346	A P-matrix-based model for the frequency analysis of IDT/AlScN/Sapphire SAW-delay line. 2020 , 307, 111980			4
345	A1 Resonators in 128° Y-cut Lithium Niobate with Electromechanical Coupling of 46.4%. 2020 , 29, 313-319			30
344	A silicon-organic hybrid platform for quantum microwave-to-optical transduction. 2020 , 5, 034004			15
343	Laser Micromachining of Lithium Niobate-Based Resonant Sensors towards Medical Devices Applications. 2020 , 20,			7

342	Engineering optical anisotropy in nonlinear crystals with ultrafast light. <i>Journal of Applied Physics</i> , 2020 , 127, 153104	2.5	2
341	Relaxation dynamics associated with the multiple polymorphic phase transitions in morphotropic phase boundaries BiScO ₃ -PbTiO ₃ solid solutions. 2021 , 190, 174-178		0
340	Bulk piezo-photovoltaic effect in LiNbO ₃ . 2021 , 604, 412706		0
339	Significant enhancement in microstructural and electrical properties of lead-free (1-x)Ba _{0.9} Sr _{0.1} Ti _{0.9} Zr _{0.1} O ₃ -xLiNbO ₃ ceramic composites. 2021 , 857, 158244		4
338	Broadband and Compact TE-Pass Polarizer Based on Hybrid Plasmonic Grating on LNOI Platform. 2021 , 13, 1-9		3
337	Deep Etching of LiNbO ₃ Using Inductively Coupled Plasma in SF ₆ -Based Gas Mixture. 2021 , 30, 90-95		1
336	Linear Electro-Optic Modulation in Highly Polarizable Organic Perovskites. 2021 , 33, e2006368		8
335	Lead-Free Piezoelectric Composite With Lithium Niobate and Barium Titanate Fabricated by Interdigital Pair Bonding Technique. 2021 , 9, 85894-85902		0
334	Gigahertz Phononic Integrated Circuits on Thin-Film Lithium Niobate on Sapphire. 2021 , 15,		10
333	Reversible photoluminescence modulation of monolayer MoS on a ferroelectric substrate by light irradiation and thermal annealing. 2021 , 23, 17265-17270		
332	Strong modulation of electronic properties of monolayer MoTe ₂ using a ferroelectric LiNbO ₃ (0001) substrate.		1
331	Elucidating the role of precursors in synthesizing single crystalline lithium niobate nanomaterials: a study of effects of lithium precursors on nanoparticle quality. 2021 , 13, 3214-3226		0
330	Tunable Optical Delay for OTDM. 2021 , 527-534		
329	Photorefractive-induced Bragg scattering in cryogenic lithium niobate ring resonators. 2021 , 46, 432-435		2
328	Vanadiumgruppe: Elemente der fünften Nebengruppe. 2021 , 531-571		
327	Stable tuning of photorefractive microcavities using an auxiliary laser. 2021 , 46, 328-331		6
326	Defect formation in chemically reduced congruent LiTaO ₃ : ab initio simulations and inelastic neutron scattering.		0
325	Crack-free femtosecond laser processing of lithium niobate benefited by high substrate temperature. <i>Journal of Applied Physics</i> , 2021 , 129, 063102	2.5	1

324	Wavefront shaping and modulation with resonant electro-optic phase gradient metasurfaces. 2021 , 118, 071104		7
323	Mitigating photorefractive effect in thin-film lithium niobate microring resonators. <i>Optics Express</i> , 2021 , 29, 5497-5504	3-3	11
322	Piezoelectric glass-ceramics: Crystal chemistry, orientation mechanisms, and emerging applications. 2021 , 104, 1915-1944		2
321	Comprehensive Study of all-in-one Simultaneous Multiple Optical Logic Gate Devices Using Mach-Zehnder Interferometer based on the Electro-optic Effect. 1-13		3
320	Electro-Optic Control of Lithium Niobate Bulk Whispering Gallery Resonators: Analysis of the Distribution of Externally Applied Electric Fields. 2021 , 11, 298		2
319	The correlation between experimental polarized Raman spectra and their density functional theory prediction in the LCAO framework: The R3c LiNbO3 crystal as a test case. 2021 , 52, 995-1010		4
318	Ion-cut lithium niobate on insulator technology: Recent advances and perspectives. 2021 , 8, 011307		51
317	Evaluation of similarities and differences of LiTaO3 and LiNbO3 based on high-T-conductivity, nonlinear optical fs-spectroscopy and ab initio modeling of polaronic structures. 2021 , 23, 033016		4
316	Nonlinear Lithium Niobate Metasurfaces for Second Harmonic Generation. 2021 , 15, 2000521		15
315	High quality and low loss surface acoustic wave SAW resonator based on chromium-doped AlN on sapphire. 2021 , 127, 1		3
314	Electro-optic response in epitaxially stabilized orthorhombic mm2 BaTiO3. 2021 , 5,		1
313	Photonic devices based on thin-film lithium niobate on insulator. 2021 , 42, 041304		4
312	Low loss ridge-waveguide grating couplers in lithium niobate on insulator. 2021 , 11, 1366		4
311	Magnetoelastic effect in CoNi particles caused by thermal resizing of a lithium niobate crystal substrate. 2021 , 574, 65-71		
310	Transformation of initial domain structure by ac electric field in lithium tantalate crystals with composition gradient. 2021 , 574, 136-143		0
309	Highly efficient polarization-entangled photon-pair generation in lithium niobate waveguides based on bound states in continuum. <i>Optics Express</i> , 2021 , 29, 12110-12123	3-3	2
308	Optical coherence and energy-level properties of a Tm3+-doped LiNbO3 waveguide at subkelvin temperatures. 2021 , 103,		0
307	Ion irradiation induced strain and structural changes in LiTaOperovskite. 2021 , 33,		1

306	Design study of efficient far-UVC second-harmonic generation using an integrated approach. 2021 ,		
305	Epitaxy of LiNbO ₃ : Historical Challenges and Recent Success. 2021 , 11, 397		0
304	Ab initio Calculations on the Electronic Properties of Fe-doped LiNbO ₃ Through Modified Becke-Johnson Exchange Potential. 2021 , 34, 1933-1939		0
303	Hydrogen diffusion in proton-exchanged lithium niobate single crystals. <i>Journal of Applied Physics</i> , 2021 , 129, 135105	2.5	1
302	Third-order optical nonlinearity of niobium-rich lithium niobate thin films. <i>Optical Materials</i> , 2021 , 114, 110914	3.3	0
301	Observation of the Pockels Effect in Ionic Liquids and Insights into the Length Scale of Potential-Induced Ordering. 2021 , 37, 5193-5201		2
300	Efficient and Wideband Acousto-Optic Modulation on Thin-Film Lithium Niobate for Microwave to Photonic Conversion.		5
299	High-Speed Plasmonic Electro-Optic Beam Deflectors. 2021 , 21, 4051-4056		0
298	Design and fabrication of high-performance multimode interferometer in lithium niobate thin film. <i>Optics Express</i> , 2021 , 29, 15689-15698	3.3	2
297	Hybrid Silicon and Lithium Niobate Modulator. 2021 , 27, 1-12		9
296	Submicron periodical poling in Z-cut lithium niobate thin films. 2021 , 576, 119-128		2
295	Multi-tip edge coupler for integration of a distributed feedback semiconductor laser with a thin-film lithium niobate modulator. 2021 , 60, 4814-4819		0
294	Integrated lithium niobate electro-optic modulators: when performance meets scalability. 2021 , 8, 652		36
293	Integrated photonics on thin-film lithium niobate. 2021 , 13, 242		112
292	Electrical Tuning of Fresnel Lens in Reflection. <i>ACS Photonics</i> , 2021 , 8, 1576-1581	6.3	4
291	In situ surface acoustic wave field probing in microfluidic structures using optical transmission interferometry. <i>Journal of Applied Physics</i> , 2021 , 129, 244503	2.5	0
290	Broadband, High-Sensitivity Graphene Photodetector Based on Ferroelectric Polarization of Lithium Niobate. 2021 , 9, 2100245		3
289	The First High-Temperature Supramolecular Radical Ferroics. 2021 , 133, 16804-16809		0

288	40 GHz high-efficiency Michelson interferometer modulator on a silicon-rich nitride and thin-film lithium niobate hybrid platform. 2021 , 46, 2811-2814		3
287	Piezoelectric Disk Gyroscope Fabricated With Single-Crystal Lithium Niobate. 2021 , 30, 384-391		1
286	Ultrabright Multiplexed Energy-Time-Entangled Photon Generation from Lithium Niobate on Insulator Chip. 2021 , 15,		7
285	Holographic x-ray detection: A method for high resolution, high efficiency x-ray detection with differential phase contrast. 2021 , 118, 261105		1
284	The First High-Temperature Supramolecular Radical Ferroics. 2021 , 60, 16668-16673		9
283	Microresonators in Lithium Niobate Thin Films. 2021 , 9, 2100539		4
282	Centrosymmetric or Noncentrosymmetric? Transition Metals Talking in KTGeS ($T = \text{Co, Fe}$). 2021 , 60, 10603-10613		3
281	The Cryogenic Space Charge Measurement Using Pulsed Electro-Acoustic Method. 2021 , 28, 1088-1091		2
280	Electro-optic modulation in integrated photonics. <i>Journal of Applied Physics</i> , 2021 , 130, 010901	2.5	20
279	Ultrafast electron cycloids driven by the transverse spin of a surface acoustic wave. 2021 , 7,		2
278	Investigations on Ion implantation induced strain in rotated Y-cut LiNbO_3 and LiTaO_3 .		
277	Lithium tracer diffusion in proton-exchanged lithium niobate. 2021 , 365, 115657		1
276	Bidirectional interconversion of microwave and light with thin-film lithium niobate. 2021 , 12, 4453		6
275	Broadband integrated optical modulators: achievements and prospects. 2021 , 64, 722-739		5
274	Surface acoustic wave-assisted spin-orbit torque switching of the Pt/Co/Ta heterostructure. 2021 , 119, 012401		3
273	Gigahertz Low-Loss and High Power Handling Acoustic Delay Lines Using Thin-Film Lithium-Niobate-on-Sapphire. 2021 , 69, 3246-3254		3
272	Ultralow-Loss Etchless Lithium Niobate Integrated Photonics at Near-Visible Wavelengths. 2021 , 9, 2100060		2
271	Highly-efficient thin film LiNbO_3 surface couplers connected by ridge-waveguide subwavelength gratings. 2021 , 32, 21932-21943		1

270	Near-Zero Drift and High Electromechanical Coupling Acoustic Resonators at > 3.5 GHz. 2021 , 69, 3706-3714	5	
269	A micro-transducer matrix design for the detection of flexural guided waves. 2021 , 115, 106430		0
268	Dual-color upconversion luminescence emission from Er:LiNbO ₃ on-chip ridge waveguides. <i>Results in Physics</i> , 2021 , 27, 104526	3.7	1
267	Performance enhancement of 8(times)8 dilated banyan network using crosstalk suppressed GMZI crossbar photonic switches. 2021 , 42, 123		
266	Effect of metal doping on visible light absorption and optical properties of lithium niobate (LiNbO ₃) crystal: a first-principles calculation. 2021 , 44, 1		1
265	Optofluidic Platform Based on Liquid Crystals in X-Cut Lithium Niobate: Thresholdless All-Optical Response. 2021 , 11, 908		2
264	Possible existence of tristable polarization states in LiNbO ₃ under an open-circuit boundary condition. 2021 , 104,		0
263	Geometrical prediction of cleavage planes in crystal structures. 2021 , 8, 793-804		1
262	Synthesis, crystal structure, linear and nonlinear optical properties of quaternary sulfides Ba ₆ (Cu ₂ X)Ge ₄ S ₁₆ (X=Mg, Mn, Cd). 2021 , 300, 122226		1
261	Design Optimization of Silicon and Lithium Niobate Hybrid Integrated Traveling-Wave Mach-Zehnder Modulator. 2021 , 13, 1-6		2
260	High Q Resonant SbS-Lithium Niobate Metasurface for Active Nanophotonics. 2021 , 11,		0
259	Demonstration of on-chip gigahertz acousto-optic modulation at near-visible wavelengths. <i>Nanophotonics</i> , 2021 ,	6.3	0
258	Effect of thickness variations of lithium niobate on insulator waveguide on the frequency spectrum of spontaneous parametric down-conversion.		0
257	Ultraviolet second harmonic generation from Mie-resonant lithium niobate nanospheres. <i>Nanophotonics</i> , 2021 ,	6.3	3
256	. <i>ACS Photonics</i> ,	6.3	4
255	Actuation mechanisms in mixed-phase K _{0.5} Bi _{0.5} TiO ₃ -BiFeO ₃ -PbTiO ₃ ceramics. 2021 , 41, 6414-6423		1
254	Dimensionality increase of ferroelectric domain shape by pulse laser irradiation. 2021 , 219, 117270		3
253	Electrostatic doping determined by band alignment in graphene on ferroelectric LiNbO ₃ (0001) polar surfaces. 2021 , 200, 110811		1

252 Overview of Physical Properties and Applications: Ferroelectric Lithium Niobate (LiNbO₃). **2021**, 345-352

251 Efficient second-harmonic generation in high Q-factor asymmetric lithium niobate metasurfaces. **2021**, 46, 633-636 11

250 Curie temperature of nonstoichiometric lithium tantalate and lithium niobate by a mixed vacancy model. 1

249 Kinetics of the hydrogen defect in congruent LiMO₃. **2021**, 9, 2350-2367 3

248 Acousto-optical Devices. 1

247 Lithium Niobate Electro-Optic Switching. **2006**, 39-81 1

246 Lithium Niobate For Optoelectronic Applications. **1996**, 293-339 0

245 Nonlinear Plasmon Optics. **2015**, 155-181 2

244 Lithium Niobate for M/NEMS Resonators. **2017**, 99-129 4

243 Piezoelectric Mechanical Energy Harvesters and Related Materials. **2016**, 113-138 1

242 Energy Harvesting Smart Textiles. **2017**, 199-231 8

241 New Insights into Ferroelectric Domain Imaging with Piezoresponse Force Microscopy. **2009**, 209-228 3

240 Micro-Structuring and Ferroelectric Domain Engineering of Single Crystal Lithium Niobate. **2014**, 3-19 2

239 Ion Implantation of Electro-Optical Ceramics. **1989**, 389-397 1

238 A mathematical framework for ejecta cloud dynamics with application to source models and piezoelectric mass measurements. *Journal of Applied Physics*, **2021**, 130, 144501 2.5 1

237 Algorithms for target transformations of lattice basis vectors. **2020**, 76, 713-718 4

236 Optical Properties of LiNbO₃-Ag Nanocomposites. **2018**, 133, 860-863 1

235 Piezoresponse force microscopy on proton exchanged LiNbO₃ layers. **2012**, 1

234	Remotely biasing the electro-optic response of an electric field sensing-detection system using LiNbO asymmetric Mach-Zehnder optical retarders. 2018 , 57, 9677-9682		1
233	Laser crystallization of silicon on lithium niobate. 2014 ,		1
232	Low-loss ridge waveguides in thin film lithium niobate-on-insulator (LNOI) fabricated by reactive ion etching. 2016 ,		2
231	Characterization of thin-film optical properties by THz near-field imaging method. 2019 , 36, 2593		5
230	High efficiency terahertz generation in a multi-stage system. <i>Optics Express</i> , 2018 , 26, 29744-29768	3-3	9
229	Electro-optic deflection in a lithium niobate quasi-single mode waveguide with microstructured electrodes. <i>Optics Express</i> , 2018 , 26, 30100-30107	3-3	6
228	Refractive micro-lenses and micro-axicons in single-crystal lithium niobate. <i>Optics Express</i> , 2018 , 26, 32324-32331	3-3	9
227	Integrated photonic devices based on adiabatic transitions between supersymmetric structures. <i>Optics Express</i> , 2018 , 26, 33797-33806	3-3	6
226	Wideband and compact TM-pass polarizer based on hybrid plasmonic grating in LNOI. <i>Optics Express</i> , 2019 , 27, 34857-34863	3-3	12
225	Pockels-effect-based adiabatic frequency conversion in ultrahigh-Q microresonators. <i>Optics Express</i> , 2020 , 28, 2939-2947	3-3	8
224	A Compact Thin-Film Lithium Niobate Platform with Arrayed Waveguide Gratings and MMIs. 2018 ,		3
223	High optical damage threshold on-chip lithium tantalate microdisk resonator. 2020 , 45, 4100-4103		4
222	Parity-time-symmetric frequency-tunable optoelectronic oscillator with a single dual-polarization optical loop. 2020 , 45, 3139-3142		7
221	Second-harmonic generation and its nonlinear depolarization from lithium niobate thin films. 2020 , 45, 145		6
220	Cryogenic microwave-to-optical conversion using a triply resonant lithium-niobate-on-sapphire transducer. 2020 , 7, 1737		26
219	Microwave-to-optical conversion using lithium niobate thin-film acoustic resonators. 2019 , 6, 1498		75
218	Excitation of symmetry protected modes in a lithium niobate membrane photonic crystal for sensing applications. 2020 , 3, 3008		2
217	Acousto-optical modulation of thin film lithium niobate waveguide devices. 2019 , 7, 1003		32

216	Angular Dependence of the Second Harmonic Generation Induced by Femtosecond Laser Irradiation in Silica-Based Glasses: Variation with Writing Speed and Pulse Energy. 2015 , 05, 96-106	10
215	Optimization of magnetoelectricity in thickness shear mode LiNbO ₃ /magnetostrictive laminated composite. 2017 , 66, 067502	2
214	Development of metal-bonded Langevin transducer using LiNbO ₃ . 2016 , 55, 07KC04	1
213	High Absorption of Goldblack Film for a pyroelectric detector based on ultra-thin LiTaO ₃ crystal. 2021 ,	
212	Thin Patterned Lithium Niobate Films by Parallel Additive Capillary Stamping of Aqueous Precursor Solutions. 2101159	1
211	Enhancement of spin-orbit torques by change in uniaxial in-plane magnetic anisotropy of Py/Pt bilayers on single crystal 128° Y-Cut LiNbO ₃ substrate. 2021 , 119, 152407	
210	Strongly Enhanced Second Harmonic Generation in a Thin Film Lithium Niobate Heterostructure Cavity. 2021 , 127, 153901	2
209	Thick BaTiO Epitaxial Films Integrated on Si by RF Sputtering for Electro-Optic Modulators in Si Photonics. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 51230-51244	9.5 3
208	Planare optische Schaltungen. 2002 , 461-504	
207	Abkürzungsverzeichnis, physikalische Konstanten und Materialdaten. 2002 , 1-11	1
206	Optical damage and photovoltaic current in proton-exchanged LiNbO ₃ waveguides. 2003 ,	
205	Frequency mixing of photorefractive and ferroelectric gratings in lithium niobate crystals. 2007 ,	
204	Micro-Structuring and Ferroelectric Domain Engineering of Single Crystal Lithium Niobate. 2009 , 3-19	1
203	Free Standing Single Crystal LiNbO ₃ Micro-wires Fabricated by Ion Slicing, Transferred and Bonded to SiO ₂ /Si. 2010 ,	
202	High-Temperature Piezoelectric Sensors for the Energy Industry. 2012 , 1,	0
201	Propagation Characteristics of LN Photonic Wires. 2012 ,	
200	Lithium Niobate Dielectric Function and Second-Order Polarizability Tensor From Massively Parallel Ab Initio Calculations. 2013 , 93-104	
199	Polarization Dependent Water Adsorption on the Lithium Niobate Z-Cut Surfaces. 2013 , 155-166	

- 198 Fabrication of Electrooptical Waveguides by Means of Ion Implantation. **1989**, 379-387
- 197 Acoustic Response of YBa₂Cu₃O_x Films. **1990**, 241-248
- 196 Materials for Waveguide Optoelectronics. **1992**, 1-19
- 195 An Electrode-Less Integrated Mach-Zehnder Interferometer Electric Field Sensor. **1995**, 35-43
- 194 Crystallization of sol-gel derived ferroelectric thin films with preferred orientation. **1999**, 547-558
- 193 Optofluidic Applications for Photorefractive Optoelectronic Tweezers. **2015**, 79-103
- 192 Einzeldarstellungen. **2016**, 9-43
- 191 Optimizing Plasmonic Modulators for In-Device Nonlinearities of up to 275 pm/V. **2016**, o
- 190 Exploiting Material Resonances to Reduce Losses in Plasmonic Modulators. **2017**,
- 189 Micro/Nanoelectromechanical Systems. **2017**, 297-318
- 188 High-quality two-dimensional lithium niobate photonic crystal slab nanoresonators. **2018**,
- 187 Magnetoelectric effect in stretch-shear mode self-biased LiNbO₃ based composite with high-frequency resonant response. **2018**, 67, 157502
- 186 Optomechanical oscillation in the lithium niobate photonic crystal nanocavity. **2018**,
- 185 Fabrication of high extinction ratio lithium niobate integrated optical modulators using photorefractive trimming. **2018**,
- 184 Fabrication of high-performance lithium niobate photonic integrated circuits using laser microtrimming. **2018**,
- 183 Patterned Nanofoam Fabrication from a Variety of Materials via Femtosecond Laser Pulses. **2019**, 10, 186-196
- 182 Tunable phase plate in a wide wavelength range. **2019**,
- 181 Vanadiumgruppe: Elemente der fünften Nebengruppe. **2019**, 1-42

180	High-quality Lithium Niobate Optomechanical Crystal. 2019 ,			
179	Analysis on the evolution of subwavelength ripples fabricated by ultrafast laser pulses on lithium niobate crystal surface. 2019 ,			
178	Intracavity second harmonic generation for higher-order laser modes. 2019 ,			1
177	Double-stadium Si-MZI racetrack microring resonator circuits: way to generate optical digital patterns. 2020 , 37, 1434			0
176	Digital laser for on-demand intracavity selective excitation of second harmonic higher-order modes. <i>Optics Express</i> , 2020 , 28, 16907-16923	3-3		2
175	Bidomain ferroelectric crystals: properties and prospects of application. 2020 , 23, 5-56			1
174	Electrically generated optical waveguide in a lithium-niobate thin film. <i>Optics Express</i> , 2020 , 28, 29895-29903	3-3		1
173	Electrically tunable SERS active substrate exploiting electro-optic property of LiNbO ₃ on Au-grating. <i>Optical Materials</i> , 2021 , 122, 111735	3-3		0
172	Stress reduction and wafer bow accommodation for the fabrication of thin film lithium niobate on oxidized silicon. 2021 , 39, 062208			2
171	Electrooptic Properties of Dielectric Waveguides. 2020 , 175-193			
170	Fast and Slow Nonlinearities in Epsilon-Near-Zero Materials. 2021 , 15, 2000291			10
169	Lithium Niobate Resonant Photoelastic Modulator for Time-of-Flight Imaging. 2020 ,			
168	Ultra-broadband spontaneous parametric downconversion in periodically poled lithium niobate and electro-optic tuning of the optical parametric oscillation. 2020 ,			
167	Plasmonic-Organic-Hybrid (POH) Modulators - a Powerful Platform for Next-Generation Integrated Circuits. 2021 ,			0
166	Investigation of Surface Acoustic Wave Propagation Characteristics in New Multilayer Structure: SiO ₂ /IDT/LiNbO ₃ /Diamond/Si. 2021 , 12,			1
165	Periodic Poling of X-Cut Thin-Film Lithium Niobate: The Route to Submicrometer Periods. 2020 ,			
164	Acousto-Optic Switching. 2006 , 83-109			
163	LiNbO ₃ [F] Survey, 2A-1. 1-10			

162	Auger electron spectroscopy for surface ferroelectric domain differentiation in selectively poled MgO:LiNbO ₃ . 2020 , 10, 2379		2
161	Grating Coupler Design for Vertical Light Coupling in Silicon Thin Films on Lithium Niobate. 2020 , 10, 850		2
160	Polarization state dependence of laser-induced domain nucleation in lithium niobate crystals investigated by digital holography. 2020 , 59, 10026-10034		2
159	Power Flow Angles of GHz Propagating Acoustic Waves in Thin-Film Lithium Niobate. 2021 ,		1
158	Visualization of acoustic power flow in suspended thin-film lithium niobate phononic devices. 2021 , 119, 214101		1
157	FEM Analysis of Various Multilayer Structures for CMOS Compatible Wearable Acousto-Optic Devices. 2021 , 21,		
156	propSym: a tool to establish relationships between property constants for material property tensors of any order. 2021 , 54, 1894-1901		1
155	Light and Thermally Induced Charge Transfer and Ejection of Micro-/Nanoparticles from Ferroelectric Crystal Surfaces. 2100761		0
154	Passive and Active Materials for Advanced Photonic Integrated Circuitry in Visible and Near-Infrared. 2021 ,		
153	Tunable Metasurface Using Thin-Film Lithium Niobate in the Telecom Regime. <i>ACS Photonics</i> ,	6.3	3
152	Demodulation of Fiber Bragg Grating Accelerometer Using In-line Sagnac Interferometers. 2022 , 1-1		2
151	Lithium niobate particles with a tunable diameter and porosity for optical second harmonic generation.. 2021 , 12, 822-833		0
150	Lead-free Piezoelectric Composite with Configurable Material Properties by Interdigital Pair-bonding. 2020 ,		
149	Ytterbium implanted lithium niobate ring resonators on insulator: Fabrication and Characterization. 2020 ,		
148	Compact MZI modulators on thin film Z-cut lithium niobate.. <i>Optics Express</i> , 2022 , 30, 4543-4552	3.3	1
147	The definition and expression of non-symmetric physical properties in space for uniaxial crystals.		
146	Cryogenic integrated spontaneous parametric down-conversion. 2022 , 9, 108		0
145	Piezoelectric and ferroelectric materials: Fundamentals, recent progress, and applications. 2022 ,		0

144	Measurement of the electric permittivity using Bleustein-Gulyaev wave sensor. 2022 , 32, 034004	0
143	Discovery of amantadine formate: Toward achieving ultrahigh pyroelectric performances in organics.. 2022 , 3, 100204	0
142	Electronic energy loss and ion velocity correlation effects in track production in swift-ion-irradiated LiNbO ₃ : A quantitative assessment between structural damage morphology and energy deposition. 2022 , 116, 30-40	1
141	APS (A = Ba and Pb): a good platform to study the polymorph effect and lone pair effect to form an acentric structure.. 2022 ,	2
140	Neuron Compatibility and Antioxidant Activity of Barium Titanate and Lithium Niobate Nanoparticles.. 2022 , 23,	3
139	Deepening of domains at e-beam writing on the \bar{z} surface of lithium niobate. 2022 , 55, 195302	1
138	High-Quality-Factor Silicon-on-Lithium Niobate Metasurfaces for Electro-optically Reconfigurable Wavefront Shaping.. 2022 ,	5
137	Multi-mode readout via opto-mechano-photothermo-responsive luminescence from electron trapping material for optical information storage application. 2022 , 26, 101376	2
136	Design of high-speed mid-infrared electro-optic modulator based on thin film lithium niobate. 2022 , 1-1	1
135	Interfacial Pockels Effect of Solvents with a Larger Static Dielectric Constant than Water and an Ionic Liquid on the Surface of a Transparent Oxide Electrode. 2022 , 12, 2454	
134	Tunable Microcavities Coupled to Rare-Earth Quantum Emitters.	4
133	A Theoretical Description of Node-Aligned Resonant Waveguide Gratings. 2022 , 3, 60-69	
132	Low loss titanium dioxide strip loaded waveguide on thin-film lithium niobate at 1550nm. 2022 ,	0
131	Phase modulators in hybrid silicon and lithium niobate thin films. 2022 , 12, 1314	1
130	Pyroelectric material property considerations for x-ray generation. <i>Journal of Applied Physics</i> , 2022 , 131, 114503	2.5 2
129	Electro-optic high-speed optical beam shifting based on a lithium niobate tapered waveguide.. <i>Optics Express</i> , 2022 , 30, 14530-14537	3.3
128	Trials to achieve high-quality c-axis-oriented LiNbO ₃ thin films: Sputter-deposition on a-SiO ₂ , ZnO/SiO ₂ , quartz(0001), and SrTiO ₃ (111) substrates. 2022 , 748, 139148	
127	Thermal and Electron Plasma Effects on Phase Separation Dynamics Induced by Ultrashort Laser Pulses. 2022 , 12, 496	1

126	Non-intrusive movable energy harvesting devices: Materials, designs, and their prospective uses on transportation infrastructures. 2022 , 160, 112340		2
125	Electronic and optical properties of lithium niobate (LiNbO ₃) under tensile and compressive strain for optoelectronic applications: Insights from DFT-computations. 2022 , 144, 106606		
124	Research Progress of Lithium Niobate Waveguide and Its Application in Quantum Information Technology. 2021 ,		
123	Fabrication of the electro-optic polymer modulator for O-band intra-datacenter communications. 2021 ,		
122	Superconducting NbN thin films on various (X/Y/Z-cut) lithium niobate substrates. 2022 , 35, 025012		
121	Bidomain Ferroelectric Crystals: Properties and Prospects of Application. 2021 , 50, 571-616		1
120	Thin-Film Lithium Niobate Based Acousto-Optic Modulation Working at Higher-Order TE ₁ Mode. 2022 , 9, 12		1
119	Overtone Raman Scattering in Lithium Niobate Single Crystals Doped with Terbium. 2022 , 67, 252-255		2
118	Simulation of printed surface acoustic wave thermometer. 2022 ,		
117	Modeling temperature, frequency, and strain effects on the linear electro-optic coefficients of ferroelectric oxides. <i>Journal of Applied Physics</i> , 2022 , 131, 163101	2.5	1
116	Enhanced Terahertz Generation From the Lithium Niobate Metasurface. 2022 , 10,		
115	Characterizations of Single-Crystal Lithium Niobate Thin Films. 2022 , 12, 667		0
114	Realizing quasi-monochromatic switchable thermal emission from electro-optically induced topological phase transitions.. 2022 , 12, 7400		1
113	Second harmonic generation by quasi-phase matching in a lithium niobate thin film.		
112	Cryogenic electro-optic modulation in titanium in-diffused lithium niobate waveguides.		
111	Bound polaron formation in lithium niobate from ab initio molecular dynamics. 2022 , 128,		0
110	Large regular arrays with submicron domains written by low-voltage e-beam on X-cut of lithium niobate. <i>Optical Materials</i> , 2022 , 128, 112405	3.3	0
109	The role of glass composition in the 3D laser fabrication of lithium niobate single crystal in lithium niobosilicate glass. <i>Optical Materials</i> , 2022 , 128, 112380	3.3	1

108	Modulation of electronic and magnetic properties of monolayer 1T-VSe ₂ by ferroelectric LiNbO ₃ (0001) surface. 2022 , 167, 110745		0
107	CMOS-Integrated Aluminum Nitride MEMS: A Review. 2022 , 1-24		3
106	Surface acoustic wave coupling between micromechanical resonators. 2022 , 5,		
105	High-temperature electrical conductivity in piezoelectric lithium niobate. <i>Journal of Applied Physics</i> , 2022 , 131, 194102	2.5	1
104	Effects of interdigitated electrodes to the formation of travelling surface acoustic wave. 2022 ,		
103	The structure and optical properties of lithium niobate thin film (LiNbO ₃) grown on silicon for various lanthanum concentration and molarity. 2022 , 589, 12-21		
102	Effects of uniaxial strain on structural, electronic, and optical properties of LiNbO ₃ : Ab-initio calculations. 2022 , e00694		
101	Mechanical strain modulation of domain wall currents across LiNbO ₃ nanosensors. 2022 ,		
100	Tip-induced domain growth on the non-polar cut of lithium niobate with various stoichiometry deviations. <i>Journal of Applied Physics</i> , 2022 , 131, 214103	2.5	
99	High-bandwidth CMOS-voltage-level electro-optic modulation of 780 nm light in thin-film lithium niobate. <i>Optics Express</i> ,	3.3	2
98	A Review of Capabilities and Scope for Hybrid Integration Offered by Silicon-Nitride-Based Photonic Integrated Circuits. 2022 , 22, 4227		0
97	Multiple Scattering and Random Quasi-Phase-Matching in Disordered Assemblies of LiNbO ₃ Nanocubes. <i>ACS Photonics</i> ,	6.3	0
96	Tracer diffusion in proton-exchanged congruent LiNbO ₃ crystals as a function of hydrogen content.		0
95	Electro-optically tunable single-frequency lasing from neodymium-doped lithium niobate microresonators. <i>Optics Express</i> ,	3.3	0
94	Electronic and Magnetic properties of nitrogen substituted cubic perovskites of RbNbO ₃ and CsNbO ₃ using PBE-GGA and TB-mBJ methods. <i>Materials Research Innovations</i> , 1-12	1.9	
93	Tutorial: Piezoelectric and magnetoelectric N/MEMS Materials, devices, and applications. <i>Journal of Applied Physics</i> , 2022 , 131, 241101	2.5	1
92	Research progress on periodically poled lithium niobate for nonlinear frequency conversion. <i>Infrared Physics and Technology</i> , 2022 , 104243	2.7	2
91	The optical bandgap of lithium niobate (LiNbO ₃) and its dependence with temperature. <i>Results in Physics</i> , 2022 , 39, 105736	3.7	0

90	Optimization of periodic poling of x-cut lithium niobate thin film. <i>Optical Materials</i> , 2022 , 131, 112562	3.3	
89	Perovskites: Application and Structure. 2022 , 19-36		
88	Ultra-broadband and low-loss edge coupler for highly efficient second harmonic generation in thin-film lithium niobate. 2022 , 1,		2
87	Optical Switches. 2022 , 13-30		
86	Mirror symmetric on-chip frequency circulation of light. <i>Nature Photonics</i> ,	33.9	1
85	Fast Operations of Nonvolatile Ferroelectric Domain Wall Memory with Inhibited Space Charge Injection. <i>ACS Applied Materials & Interfaces</i> ,	9.5	1
84	Photonic Assemblies of Randomly Oriented Nanocrystals for Engineered Nonlinear and Electro-Optic Effects. <i>ACS Photonics</i> ,	6.3	0
83	On the flexoelectric effect on size-dependent static and free vibration responses of functionally graded piezo-flexoelectric cylindrical shells. <i>Thin-Walled Structures</i> , 2022 , 179, 109699	4.7	0
82	FEA_LiNbO3: Finite element analysis of novel LiNbO3 material based fiber for optical communication properties of nonlinear applications. <i>AEJ - Alexandria Engineering Journal</i> , 2022 , 61, 12915-12923	6.1	0
81	Toward a universal metasurface for optical imaging, communication, and computation. <i>Nanophotonics</i> , 2022 ,	6.3	2
80	Spectrally multiplexed and bright entangled photon pairs in a lithium niobate microresonator. 2022 , 65,		0
79	Conductive domain walls in x-cut lithium niobate crystals. 2022 , 132, 044102		1
78	Integrated Photonics Based on Rare-Earth Ion-Doped Thin-Film Lithium Niobate. 2200059		6
77	Omni-functional crystal: Advanced methods to characterize the composition and homogeneity of lithium niobate melts and crystals. 20220059		0
76	Plasmonic Lithium Niobate Mach-Zehnder Modulators. 2022 , 22, 6471-6475		1
75	Heterogeneously integrated III-V-on-Lithium Niobate broadband light sources and photodetectors.		4
74	Spontaneous parametric down-conversion in bottom-up grown lithium niobate microcubes. 2022 , 12, 3696		2
73	Electro-optic metasurfaces.		

- 72 Microstructural analysis and electro-optic properties of thick epitaxial BaTiO₃ films integrated on silicon (001). **2022**, 6, 0
- 71 Non-Hermitian Optical Tunable System Based on Lithium Niobate Coupling Resonator. **2022**, 14, 1-5 0
- 70 Emission from Arrays of Tm³⁺ Ions in Solid-State Microphotonics. **2022**, 0
- 69 Electromechanical Brillouin scattering. **2022**, 287-311 0
- 68 High-speed optical links for data transfer out of 3.4K to room temperature. **2022**, 0
- 67 Investigation and optimization of thin-film-lithium-niobate array-waveguide-grating with the influence of fabrication tolerance. **2022**, 0
- 66 Electro-Optic Sensor for Measuring Electrostatic Fields in the Frequency Domain. **2022**, 12, 8544 0
- 65 Thermally tunable and efficient second-harmonic generation on thin-film lithium niobate with integrated micro-heater. **2022**, 47, 4921 1
- 64 Room-Temperature Generation of Heralded Single Photons on Silicon Chip with Switchable Orbital Angular Momentum. 2200388 0
- 63 Ultrafast and hypersensitive phase imaging of propagating internodal current flows in myelinated axons and electromagnetic pulses in dielectrics. **2022**, 13, 0
- 62 Raman Scattering in a Double-Doped Single Crystal LiTaO₃:Cr(0.2):Nd(0.45 wt%). **2022**, 9, 712 2
- 61 A multiscale view in functional materials. **2022**, 0
- 60 Direct graphene synthesis on LiNbO₃ substrate by C implantation on Cu covering layer. 0
- 59 Tuning domain wall conductivity in bulk lithium niobate by uniaxial stress. **2022**, 106, 0
- 58 A 2.79- μ m Efficient Acousto-Optic Q-switched Er,Cr:YSGG Laser with a Specially Designed LiNbO₃ Crystal Modulator. 0
- 57 High-Q Thin Film Lithium Niobate Microrings Fabricated with Wet Etching. 2208113 0
- 56 Ferroelectric hybrid organic-inorganic perovskites and their structural and functional diversity. 5
- 55 Heterogeneous silicon-on-lithium niobate electro-optic modulator for 100-Gbaud modulation. 0

54	Uniaxial in-plane magnetic anisotropy mechanism in Ni, Fe, and Ni-Fe alloy films deposited on single crystal Y-cut 128° LiNbO ₃ using magnetron sputtering. 2022 , 170177	○
53	Lithium Niobate Meta-Optics.	○
52	Li diffusion and surface segregation in K _{0.5} Na _{0.5} NbO ₃ films grown by Pulsed Laser Deposition. 2022 , 763, 139576	○
51	Third-order susceptibility of lithium niobate:Influence of polarons and bipolarons.	○
50	A GMM-FBG Current Sensor with Enhanced Sensitivity Based on a Double-Ring Lever. 2022 , 1-1	○
49	Chemical environment and occupation sites of hydrogen in LiMO ₃ .	○
48	Opto-electronic behavior of LN as a dielectric films: Improved using low temperatures treatment. 2022 ,	○
47	Lithium niobate Based sensors: A review. 2022 ,	○
46	Arrayed-waveguide-grating based on proton exchange and etching combined fabrication over bulk Lithium-Niobate substrate. 2022 ,	○
45	Analytical and numerical modeling of optical second harmonic generation in anisotropic crystals using ?SHAARP package. 2022 , 8,	1
44	Giant Second Harmonic Generation from Membrane Metasurfaces. 2022 , 22, 9652-9657	1
43	Peculiarities of the pyroelectric current generated using a LiNbO ₃ single crystal driven by low-frequency sinusoidal temperature variation. 2022 , 132, 204101	○
42	Pockel's effect inspired Toffoli Gate: an MZI count optimized design and logical applications. 2023 , 55,	○
41	Integrated active lithium niobate photonic devices.	1
40	Crystallization of LiNbO ₃ and NaNbO ₃ in niobosilicate glass/ceramics.	○
39	Estimation of interfacial-layer thickness from voltage-dependent domain switching times in LiNbO ₃ single-crystal domain wall memory.	○
38	Piezoelectrically enhanced stimulated Brillouin scattering in LiNbO ₃ thin films. 2022 ,	○
37	Quantum Frequency Conversion. 2023 , 51-65	○

- 36 Revisiting Optical Material Platforms for Efficient Linear and Nonlinear Dielectric Metasurfaces in the Ultraviolet, Visible, and Infrared. ○
- 35 Strain engineering for tuning the electronic and optical properties of lithium niobate for optoelectronic applications. **2023**, 361, 115074 ○
- 34 Increasing Measurements Range of Electro-Optic Sensors for Electric Field by Using a Mach-Zehnder Interferometer Modulators Array. **2022**, 86, S119-S123 ○
- 33 d_6 versus d_{10} , Which Is Better for Second Harmonic Generation Susceptibility? A Case Study of $K_2\text{TeGe}_3\text{Ch}_8$ (T = Fe, Cd; Ch = S, Se). **2023**, 62, 574-582 ○
- 32 Droplet Detection and Sorting System in Microfluidics: A Review. **2023**, 14, 103 ○
- 31 Introduction to perovskites. **2023**, 3-29 ○
- 30 A Review of the Recent Advances in Piezoelectric Materials, Energy Harvester Structures, and Their Applications in Analytical Chemistry. **2023**, 13, 1300 ○
- 29 Integrated photonics on dielectrically loaded lithium niobate on insulator platform. ○
- 28 Perspective on Lithium-Niobate-on-Insulator Photonics Utilizing the Electro-optic and Acousto-optic Effects. ○
- 27 Improved Fabrication of Scalable Hybrid Silicon Nitride / Thin-film Lithium Niobate Electro-optic Modulators. ○
- 26 Modulation of Brillouin Optomechanical Interactions via Acoustoelectric Phonon-Electron Coupling. **2023**, 19, ○
- 25 Chiral metasurfaces in anisotropic thin film lithium niobate and its nonlinear effect. ○
- 24 Growing, Structure and Optical Properties of $\text{LiNbO}_3:\text{B}$ Crystals, a Material for Laser Radiation Transformation. **2023**, 16, 732 ○
- 23 Stiffness tensor estimation of anisotropic crystal using point contact method and unscented Kalman filter. **2023**, 131, 106939 ○
- 22 Vibrational properties of LiNbO_3 and LiTaO_3 under uniaxial stress. **2023**, 7, ○
- 21 Shallow etched low-loss thin film lithium niobate waveguides with bound states in the continuum. **2023**, 13, 035332 ○
- 20 Versatile Tuning of Compact Microring Waveguide Resonator Based on Lithium Niobate Thin Films. **2023**, 10, 424 ○
- 19 Morphology of lithium niobium oxide thin film ultrasonic transducers deposited by RF magnetron sputtering. **2023**, 49, 16297-16304 ○

- 18 Epitaxial LiNbO₃ thin films grown on Al₂O₃ by rf-sputtering. **1994**, ○
- 17 High-efficiency thin-film lithium niobate modulator with highly confined optical modes. **2023**, 48, 1602 ○
- 16 Supercontinuum in integrated photonics: generation, applications, challenges, and perspectives. **2023**, 12, 1199-1244 ○
- 15 Stimulated Brillouin scattering by surface acoustic waves in lithium niobate waveguides. **2023**, 40, D56 1
- 14 Forward growth and formation of 1D domain arrays by focused ion beam in Y-cut MgOLN. **2023**, 604, 53-61 ○
- 13 Wafer-scale heterogeneous integration of thin film lithium niobate on silicon-nitride photonic integrated circuits with low loss bonding interfaces. **2023**, 31, 12005 ○
- 12 Vanadiumgruppe: Elemente der fünften Nebengruppe. **2022**, 1-45 ○
- 11 Electrical properties of flexible ceramics. **2023**, 75-127 ○
- 10 Ultra-high-speed high-resolution laser lithography for lithium niobate integrated photonics. **2023**, ○
- 9 Active basis choice for quantum key distribution with entangled states. **2023**, 20, 055201 ○
- 8 Raman spectroscopy of lithium niobate (LiNbO₃) as a function of sample temperature and laser spot size effects. **2023**, 47, 106380 ○
- 7 Li self-diffusion and ion conductivity in congruent LiNbO₃ and LiTaO₃ single crystals. **2023**, 7, ○
- 6 Controlling single rare earth ion emission in an electro-optical nanocavity. **2023**, 14, ○
- 5 Optical Isolation by Temporal Modulation: Size, Frequency, and Power Constraints. ○
- 4 Local variations of the piezoelectric properties of an LiNb(1-x)Ta_xO₃ crystal. **2023**, 56, 539-544 ○
- 3 Growth and assessment of optical and non-linear optical properties of lithium sulphamate single crystal for optoelectronic applications. **2023**, 34, ○
- 2 Electro-Optic Frequency Combs: Theory, Characteristics, and Applications. ○
- 1 Nonlocal electro-optic metasurfaces for free-space light modulation. **2023**, ○

