

Takahiko Yanagitani

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Negative-ion bombardment increases during low-pressure sputtering deposition and their effects on the crystallinities and piezoelectric properties of scandium aluminum nitride films. Journal Physics D: Applied Physics, 2022, 55, 105306. | 2.8 | 5 |
| 2 | c-Axis-tilted ScAlN films grown on silicon substrates for surface acoustic wave devices. Japanese Journal of Applied Physics, 2022, 61, SG1054. | 1.5 | 6 |
| 3 | Enhanced Electromechanical Coupling in Yb-Substituted III-V Nitride Alloys. ACS Applied Electronic Materials, 2022, 4, 3448-3456. | 4.3 | 3 |
| 4 | Theoretical and experimental study of shear mode bulk acoustic wave transformer based on c-axis zigzag ScAlN multilayer for rectenna application. Applied Physics Letters, 2021, 118, . | 3.3 | 13 |
| 5 | Polarization control of ScAlN, ZnO and PbTiO ₃ piezoelectric films: application to polarization-inverted multilayer bulk acoustic wave and surface acoustic wave devices. Japanese Journal of Applied Physics, 2021, 60, SD0803. | 1.5 | 19 |
| 6 | Bulk acoustic wave transformer based on the combination of the high- μ epitaxial PbTiO ₃ and low- μ ScAlN thin films. Applied Physics Letters, 2021, 118, . | 3.3 | 5 |
| 7 | Origin of Enhanced Electromechanical Coupling in (Yb,Al)N Nitride Alloys. Physical Review Applied, 2021, 16, . | 3.8 | 10 |
| 8 | Experimental and theoretical investigation of k_t^2 and velocity in YbGaN films by DFT. , 2021, , . | | 0 |
| 9 | Comparison of the k_t^2 Extraction Methods of Piezoelectric Films in Film/Substrate Structure and Self-Standing Film Structure. , 2021, , . | | 1 |
| 10 | A method for evaluating acoustic Bragg reflector by ultrasonic microscope. , 2021, , . | | 1 |
| 11 | Detection of protein binding by shear mode ultrasonic reflection coefficients using c-axis tilted ScAlN film above 100MHz. , 2021, , . | | 1 |
| 12 | GHz BAW piezoelectric transformers for passive voltage amplification using the epitaxial ZnO thin films. , 2021, , . | | 0 |
| 13 | Ion-beam-induced in-plane a-axis oriented (0001) AlN and ScAlN thin film BAW resonators. AIP Advances, 2021, 11, . | 1.3 | 3 |
| 14 | GHz BAW Piezoelectric Transformers with High Voltage Gain using the Combination of High and Low Dielectric Constant Thin Films. , 2020, , . | | 2 |
| 15 | Accurate extraction of k_{t}^2 of piezoelectric film/substrate structure by conversion loss method for subtracting experimental acoustic losses in the substrate. , 2020, , . | | 1 |
| 16 | Giga-hertz piezoelectric epitaxial PZT transducer for the application of fingerprint imaging. , 2020, , . | | 1 |
| 17 | Extraction of k_t^2 of piezoelectric film/substrate structure by conversion loss derived by electromagnetic signal including no acoustic losses. , 2020, , . | | 2 |
| 18 | c-Axis oriented ScAlN/SiO ₂ multilayer BAW transformer for rectifying antenna applications. , 2020, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | ScAlN nano-rods structure thin film grown by a self-shadowing oblique sputtering for high electromechanical coupling transducer applications. , 2020, , . | | 0 |
| 20 | Measurement of antiresonant frequency during DC bias voltage application for analysis of second harmonic response of ScAlN on SMR. , 2020, , . | | 0 |
| 21 | Deterioration in the piezoelectric property of ScAlN thin films by negative ion bombardment increased in low-pressure sputtering deposition. , 2020, , . | | 0 |
| 22 | Experimental and theoretical investigation of k_t^2 and mechanical quality factor Q_m in YbAlN films using DFT. , 2020, , . | | 0 |
| 23 | Enhancement of GHz electromechanical coupling coefficient k_{t}^2 of MgZnO and CaZnO thin film BAW resonators. , 2020, , . | | 3 |
| 24 | Extracting mechanical Q factor of the pure AlN, ScAlN, and ZnO films without etching substrate. , 2020, , . | | 1 |
| 25 | Self-Standing FBAR Transformer based on Shear Mode Zig-zag ScAlN Multilayer for Rectenna Application. , 2020, , . | | 2 |
| 26 | Zig-zag ScAlN multilayer SMR for high power BAW filter application such as RF base station. , 2020, , . | | 0 |
| 27 | Frequency-switchable polarity-inverted BAW resonators based on PZT/PTO epitaxial films using difference in coercive field. Applied Physics Letters, 2019, 114, 212902. | 3.3 | 12 |
| 28 | Frequency-switchable polarity-inverted BAW resonators based on electric-field-induced piezoelectric PMN-PT/PZT epitaxial film stacks. Journal of Applied Physics, 2019, 126, . | 2.5 | 5 |
| 29 | Ion beam induced a-axis in-plane oriented c-axis oriented AlN thin film growth for high-Q BAW resonator application. , 2019, , . | | 1 |
| 30 | Improvement of c-Axis Parallel Orientation of ZnO film on Silica Glass Pipes with Various Diameters for SH-SAW Pipe Sensor. , 2019, , . | | 1 |
| 31 | Effect of negative ions generation from sputtering target on crystalline orientation and k_t^2 of ScAlN thin films. , 2019, , . | | 1 |
| 32 | A Method for Extracting Mechanical Q Factor of the Piezoelectric Film without Etching Substrate. , 2019, , . | | 3 |
| 33 | ScAlN polarization inverted resonators and enhancement of k_t^2 in new YbAlN materials for BAW devices. , 2019, , . | | 8 |
| 34 | Shear Mode Polarity Inverted ScAlN Multilayer for Application to BAW Transformer in Rectifying Antenna. , 2019, , . | | 2 |
| 35 | A method to estimate k_t^2 of piezoelectric films from the change of lattice strain by XRD without removing substrate. , 2019, , . | | 1 |
| 36 | Shear Mode Polarity Inverted ScAlN Multilayer for Application to BAW Transformer in Rectifying Antenna. , 2019, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Ultrasonically-induced electrical potentials in demineralized bovine cortical bone. AIP Advances, 2018, 8, . | 1.3 | 7 |
| 38 | Extraction of Electromechanical Coupling Coefficient of Film/Substrate Structure by Using the Ratio of a Third Mode Resonant Frequency to a Fundamental Mode Resonant Frequency. , 2018, , . | | 1 |
| 39 | PZT Epitaxial Thick Film for Ultrasonic Transducer at Frequencies Below 100 MHz. , 2018, , . | | 0 |
| 40 | High Efficiency Ultrasonic Transducer Using Polarity Inverted ZnO Film. , 2018, , . | | 0 |
| 41 | DC-Induced Piezoelectric Cubic PMN - PT / Piezoelectric Tetragonal PZT Epitaxial Stack Polarity Inverted Resonators for Frequency Switchable Filters. , 2018, , . | | 0 |
| 42 | Investigation of Morphotropic Phase Boundary in Sputter-Grown Pb(Zr$\langle x \rangle$), Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (Ti$\langle y \rangle$) | | 2 |
| 43 | Shear Mode Polarity Inverted ScAlN Multilayer for Application to Transformer in Rectifying Antenna. , 2018, , . | | 4 |
| 44 | Temperature Characteristics of ScAlN/SiO₂ BAW Resonators. , 2018, , . | | 3 |
| 45 | ScAlN Free-Standing 0.1 mm Plates with 30â€“50 MHz Resonance Frequency. , 2018, , . | | 0 |
| 46 | The Influence of Negative Ions Generation on the Arc-Melted and Hot Press Sintered Scal Alloy Targets to the Crystalline Orientation and k$\langle t \rangle$² of the Scaln Films. , 2018, , . | | 1 |
| 47 | c-Axis Tilted ScAlN Film Shear Mode Resonators for Biosensing. , 2018, , . | | 2 |
| 48 | ScAlN Thick-Film Ultrasonic Transducer in 40â€“80 MHz. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 2097-2102. | 3.0 | 21 |
| 49 | Rapid Wave Velocity Measurement by Brillouin Scattering Using Coherent Phonons Induced by ScAlN Piezoelectric Thin-Film Transducer. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 1882-1887. | 3.0 | 1 |
| 50 | Thick ScAlN film for high efficient ultrasonic transducer in low frequency of 81 MHz. , 2017, , . | | 0 |
| 51 | Effect of anisotropy on stress-induced electrical potentials in bovine bone using ultrasound irradiation. Applied Physics Letters, 2017, 110, . | 3.3 | 10 |
| 52 | Evaluation of the acoustoelectric effect in the thickness direction of $\langle i \rangle$-plane ZnO single crystals by Brillouin scattering. Journal of Applied Physics, 2017, 121, . | 2.5 | 1 |
| 53 | Broadband frequency viscositymeasurement using low TCF shear mode resonators consisting of C-axis tilted scaln thin film on thick at-cut quartz plate. , 2017, , . | | 2 |
| 54 | The frequency switchable multi-layered BST/BaTiO3 epitaxial film resonator. , 2017, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | The frequency switchable multi-layered BST/BaTiO ₃ epitaxial film resonator. , 2017, , . | | 0 |
| 56 | Film growth of c-axis tilted ScAlN on the sapphire substrate for SAW devices. , 2017, , . | | 3 |
| 57 | High electromechanical coefficient $k^2 \geq 19\%$ thick ScAlN piezoelectric films for ultrasonic transducer in low frequency of 80 MHz. , 2017, , . | | 4 |
| 58 | Notice of Removal: Effects of negative oxygen ions generated during Sc ingot sputtering on electromechanical coupling of ScAlN film. , 2017, , . | | 0 |
| 59 | c-Axis zig-zag polarization inverted ScAlN multilayer for FBAR transformer rectifying antenna. , 2017, , . | | 2 |
| 60 | Quantitative thickness measurement of polarity-inverted piezoelectric thin-film layer by scanning nonlinear dielectric microscopy. Japanese Journal of Applied Physics, 2017, 56, 10PF18. | 1.5 | 0 |
| 61 | High electromechanical coefficient $k^2 = 19\%$ thick ScAlN piezoelectric films for ultrasonic transducer in low frequency of 80 MHz. , 2017, , . | | 2 |
| 62 | A new type wide-frequency-range shear viscosity sensor using c-axis tilted ScAlN thin film on temperature stable AT-cut quartz thick plate. , 2017, , . | | 0 |
| 63 | Film growth of c-axis tilted ScAlN on the sapphire substrate for SAW devices. , 2017, , . | | 1 |
| 64 | c-Axis zig-zag polarization inverted ScAlN multilayer for FBAR transformer rectifying antenna. , 2017, , . | | 3 |
| 65 | A new type wide-frequency-range shear viscosity sensor using c-axis tilted ScAlN thin film on temperature stable AT-cut quartz thick plate. , 2017, , . | | 0 |
| 66 | Notice of Removal: Film growth of c-axis parallel oriented ZnO on entire surface of silica glass pipe for SH-SAW pipe sensor. , 2017, , . | | 0 |
| 67 | Method for measuring polarity-inverted layered structure in dielectric thin films using scanning nonlinear dielectric microscopy. Ferroelectrics, 2016, 498, 47-51. | 0.6 | 1 |
| 68 | Effects of energetic negative ions generated from sputtering targets on ScAlN film growth. , 2016, , . | | 6 |
| 69 | Acoustic-Wave Velocities and Refractive Indices in an m-Plane GaN Single-Crystal Plate and c-Axis-Oriented ScAlN Films Measured by Brillouin Scattering Techniques. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 717-725. | 3.0 | 8 |
| 70 | Rapid and simultaneous measurement of longitudinal and shear wave velocities by Brillouin scattering from artificially induced phonons. , 2016, , . | | 0 |
| 71 | Shear mode properties of c-axis parallel oriented ScAlN films grown by RF bias sputtering. , 2015, , . | | 1 |
| 72 | Fast wave velocity measurement by Brillouin scattering using coherent induced phonon from ScAlN piezoelectric thin film. , 2015, , . | | 0 |

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| 73 | High-coupling relaxed PZT-based single crystal thin films. Journal of Applied Physics, 2015, 117, . | 2.5 | 11 |
| 74 | Effects of microstructure and water on the electrical potentials in bone induced by ultrasound irradiation. Applied Physics Letters, 2015, 106, . | 3.3 | 16 |
| 75 | High-coupling perovskite thin films. , 2014, , . | | 1 |
| 76 | Polarity-inverted ScAlN film growth by ion beam irradiation and application to overtone acoustic wave (000-1)/(0001) film resonators. Applied Physics Letters, 2014, 104, . | 3.3 | 39 |
| 77 | Effect of Sc concentration on shear wave velocities in ScAlN films measured by micro-Brillouin scattering technique. , 2014, , . | | 9 |
| 78 | Enhanced piezoelectricity in YbGaN films near phase boundary. Applied Physics Letters, 2014, 104, . | 3.3 | 28 |
| 79 | Multiple shear wave roundtrips liquid sensor by c-axis parallel oriented ZnO film/silica glass pipe structure. , 2014, , . | | 2 |
| 80 | Gigahertz acoustic wave velocity measurement in GaN single crystals considering acousto-electric effect. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2014, 61, 1307-1313. | 3.0 | 3 |
| 81 | Second harmonic mode polarization inverted resonator consisting of PbTiO ₃ thin film. , 2014, , . | | 3 |
| 82 | High electromechanical coupling in PZT epitaxial thick film resonators at 550 °C. , 2014, , . | | 10 |
| 83 | Electromechanical coupling and gigahertz elastic properties of ScAlN films near phase boundary. Applied Physics Letters, 2014, 105, . | 3.3 | 105 |
| 84 | Electrical potentials in bone induced by ultrasound irradiation in the megahertz range. Applied Physics Letters, 2013, 103, . | 3.3 | 23 |
| 85 | High-performance Brillouin spectroscopy of phonons induced by a piezoelectric thin film with a coaxial microwave resonator. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 873-876. | 3.0 | 4 |
| 86 | PZT-based high coupling with low permittivity thin films. , 2013, , . | | 1 |
| 87 | Significant shear mode softening in a c-axis tilt nanostructured hexagonal thin film induced by a self-shadowing effect. Scripta Materialia, 2013, 69, 724-727. | 5.2 | 8 |
| 88 | Effect of metal mode and oxide mode on unusual c-axis parallel oriented ZnO film growth on Al/glass substrate in a reactive magnetron sputtering of Zn target. Journal of Crystal Growth, 2013, 363, 22-24. | 1.5 | 7 |
| 89 | A method for predicting thickness of the unoriented layer in ZnO film using piezoelectricity distribution in depth direction. Journal Physics D: Applied Physics, 2013, 46, 315305. | 2.8 | 4 |
| 90 | Polarization inverted (0001) / (000-1) ScAlN film resonators operating in second overtone mode. , 2012, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Unusual growth of polycrystalline oxide film induced by negative ion bombardment in the capacitively coupled plasma deposition. Applied Physics Letters, 2012, 101, 232902. | 3.3 | 34 |
| 92 | Fast hypersonic velocity measurement by Brillouin scattering from induced phonons. , 2012, , . | | 0 |
| 93 | Wideband Multimode Transducer Consisting of c -Axis Tilted ZnO/ c -Axis Normal ZnO Multilayer. Japanese Journal of Applied Physics, 2012, 51, 07GC08. | 1.5 | 10 |
| 94 | Relationships between the anisotropy of longitudinal wave velocity and hydroxyapatite crystallite orientation in bovine cortical bone. Ultrasonics, 2012, 52, 377-386. | 3.9 | 10 |
| 95 | Wideband Multimode Transducer Consisting of c -Axis Tilted ZnO/ c -Axis Normal ZnO Multilayer. Japanese Journal of Applied Physics, 2012, 51, 07GC08. | 1.5 | 6 |
| 96 | Quantitative analysis of the effect of energetic particle bombardment during deposition on (1120) texture formation in ZnO films. , 2011, , . | | 2 |
| 97 | Observation of induced longitudinal and shear acoustic phonons by Brillouin scattering. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 1255-1260. | 3.0 | 5 |
| 98 | Polarization-inverted multilayered pure shear mode AlN film resonator. , 2011, , . | | 3 |
| 99 | Shear Mode Piezoelectric Thin Film Resonators. , 2011, , . | | 5 |
| 100 | Texture modification of wurtzite piezoelectric films by ion beam irradiation. Surface and Coatings Technology, 2011, 206, 816-819. | 4.8 | 9 |
| 101 | c -Axis Zig-Zag ZnO film ultrasonic transducers for designing longitudinal and shear wave resonant frequencies and modes. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 1062-1068. | 3.0 | 55 |
| 102 | Three-Dimensional Anisotropy of Ultrasonic Wave Velocity in Bovine Cortical Bone: Effects of Hydroxyapatite Crystallites Orientation and Microstructure. Japanese Journal of Applied Physics, 2011, 50, 07HF18. | 1.5 | 11 |
| 103 | Brillouin scattering from induced phonons excited by the ZnO piezoelectric thin film with a coaxial resonator. , 2011, , . | | 2 |
| 104 | C-axis parallel oriented AlN film resonator fabricated by ion-beam assisted RF magnetron sputtering. , 2011, , . | | 1 |
| 105 | C-axis parallel oriented ZnO film SH-SAW sensor for electrical conductivity measurement in liquid. , 2011, , . | | 0 |
| 106 | Three-Dimensional Anisotropy of Ultrasonic Wave Velocity in Bovine Cortical Bone: Effects of Hydroxyapatite Crystallites Orientation and Microstructure. Japanese Journal of Applied Physics, 2011, 50, 07HF18. | 1.5 | 3 |
| 107 | A method for measuring in-plane unidirectional electrical properties in a wide band-gap semiconductor using a Brillouin scattering method. Journal of Applied Physics, 2010, 108, 024910. | 2.5 | 5 |
| 108 | Giant shear mode electromechanical coupling coefficient k_{eff} in c -axis tilted ScAlN films. , 2010, , . | | 35 |

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| 109 | A simple technique for obtaining (1120) or (1010) textured ZnO films by RF bias sputtering. , 2010, , . | | 4 |
| 110 | Large-Area Growth of In-Plane Oriented (1120) ZnO Films by Linear Cathode Magnetron Sputtering. Japanese Journal of Applied Physics, 2010, 49, 07HD16. | 1.5 | 10 |
| 111 | Influence of shadowing effect on shear mode acoustic properties in the c-axis tilted AlN films. , 2010, , . | | 5 |
| 112 | Deposition techniques of c-axis-tilted ScAlN films by conventional RF magnetron sputtering. , 2010, , . | | 13 |
| 113 | Anisotropy of Longitudinal Wave Velocity in Spherically Shaped Bovine Cortical Bone. IFMBE Proceedings, 2010, , 102-105. | 0.3 | 0 |
| 114 | Distribution of longitudinal wave velocity and hydroxyapatite crystallite orientation in bovine cortical bone. Acoustical Science and Technology, 2009, 30, 306-309. | 0.5 | 5 |
| 115 | Measurement of electric properties in a ZnO single crystal via electromechanical coupling using Brillouin scattering method. , 2009, , . | | 0 |
| 116 | Anisotropy of Longitudinal Wave Velocity and Hydroxyapatite Orientation in Bovine Cortical Bone. Japanese Journal of Applied Physics, 2009, 48, 07GK06. | 1.5 | 5 |
| 117 | Multilayered shear wave resonator consisting of c-axis tilted ZnO films. , 2009, , . | | 1 |
| 118 | Correlation between Hydroxyapatite Crystallite Orientation and Ultrasonic Wave Velocities in Bovine Cortical Bone. Calcified Tissue International, 2008, 82, 162-169. | 3.1 | 42 |
| 119 | Distribution of hydroxyapatite crystallite orientation and ultrasonic wave velocity in ring-shaped cortical bone of bovine femur. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 1298-1303. | 3.0 | 12 |
| 120 | Pure-shear mode BAW resonator consisting of (112̄,0) textured AlN films. , 2008, , . | | 1 |
| 121 | Propagation characteristics of shear horizontal surface acoustic waves in (1120) ZnO film/silica glass substrate structures. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 2709-2713. | 3.0 | 23 |
| 122 | Electromechanical coupling coefficient of semiconducting hexagonal crystal measured by Brillouin scattering. , 2008, , . | | 7 |
| 123 | P3H-3 Thin Film Stack Transducer for Simultaneous Generation of Longitudinal and Shear Waves at Same Frequency. Proceedings IEEE Ultrasonics Symposium, 2007, , . | 0.0 | 4 |
| 124 | P1G-5 Ion Beam Sputter-Deposited ZnO Thin Film for Broadband Shear Wave Excitation in the GHz Range. Proceedings IEEE Ultrasonics Symposium, 2007, , . | 0.0 | 0 |
| 125 | Effects of Sputtering Gas Conditions on Formation of (112̄,0) Textured ZnO Films. Japanese Journal of Applied Physics, 2007, 46, 4660. | 1.5 | 20 |
| 126 | Highly Oriented ZnO Thin Films Deposited by Grazing Ion-Beam Sputtering: Application to Acoustic Shear Wave Excitation in the GHz Range. Japanese Journal of Applied Physics, 2007, 46, L1167-L1169. | 1.5 | 9 |

| # | ARTICLE | IF | CITATIONS |
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| 127 | Observation of Induced Shear Acoustic Phonons by Brillouin Scattering. Japanese Journal of Applied Physics, 2007, 46, 4626. | 1.5 | 8 |
| 128 | Control of in-plane and out-of-plane texture in shear mode piezoelectric ZnO films by ion-beam irradiation. Journal of Applied Physics, 2007, 102, . | 2.5 | 63 |
| 129 | Shear mode electromechanical coupling coefficient k_{15} and crystallites alignment of (112 \hat{A}) textured ZnO films. Journal of Applied Physics, 2007, 102, . | 2.5 | 63 |
| 130 | Characteristics of Pure-shear Mode BAW Resonators Consisting of (1120) Textured ZnO Films. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 1680-1686. | 3.0 | 38 |
| 131 | 4E-4 Propagation Characteristics of SH-SAW in (1120) ZnO Layer/Silica Glass Substrate Structures. , 2007, , . | | 1 |
| 132 | P0-12 Highly Oriented C-Axis ZnO Tilted ZnO Films with High Quasi-Shear Mode Electromechanical Coupling Coefficients. , 2007, , . | | 13 |
| 133 | Electromechanical coupling coefficient k_{15} of polycrystalline ZnO films with the c-axes lie in the substrate plane. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 701-704. | 3.0 | 33 |
| 134 | Conversion Characteristics of the Shear Wave Transducer Made of Unidirectionally Aligned ZnO Film in Plane. Japanese Journal of Applied Physics, 2006, 45, 4201-4203. | 1.5 | 7 |
| 135 | P3F-8 Elastic Anisotropy and Crystallites Orientation in Bovine Cortical Bone. , 2006, , . | | 0 |
| 136 | P1J-2 Electromechanical Coupling Coefficient k_{15} and Crystallites Alignment of (1120) Textured ZnO Films. , 2006, , . | | 2 |
| 137 | P1M-4 Study on Formation Mechanism of (1120) Textured ZnO Films. , 2006, , . | | 2 |
| 138 | P1J-1 Temperature Characteristics of Pure Shear Mode FBARs Consisting of (1120) Textured ZnO Films. , 2006, , . | | 0 |
| 139 | Effect of sputtering geometry on (1120) textured ZnO piezofilm. Acoustical Science and Technology, 2006, 27, 53-55. | 0.5 | 5 |
| 140 | Formation of uniaxially (112 \hat{A}) textured ZnO films on glass substrates. Journal of Crystal Growth, 2005, 276, 424-430. | 1.5 | 30 |
| 141 | Characteristics of (101 \sim 0) and (112 \sim 0) textured ZnO piezofilms for a shear mode resonator in the VHF-UHF frequency ranges. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 2140-2145. | 3.0 | 25 |
| 142 | Characterization of (11 \hat{A} 20) Textured ZnO Films Fabricated by RF Magnetron Sputtering. Japanese Journal of Applied Physics, 2004, 43, 3004-3007. | 1.5 | 28 |
| 143 | Higher-order shear mode FBAR using polarization-inverted layers of (1120) textured zno films. , 0, , . | | 0 |
| 144 | Shear wave transducer using (1120) textured ZnO film. , 0, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|----|-----------|
| 145 | Non-destructive evaluation of thin ZnO shear wave transducer by brillouin scattering. , 0, , . | | 5 |
| 146 | Electromechanical coupling coefficient k_{15} of (1120) textured ZnO films. , 0, , . | | 0 |