

# Chou Mitch Ming-Chi

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/5643682/chou-mitch-ming-chi-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

177  
papers

2,594  
citations

24  
h-index

43  
g-index

182  
ext. papers

2,872  
ext. citations

3.4  
avg, IF

4.77  
L-index

| #   | Paper  | IF  | Citations |
|-----|--|-----|-----------|
| 177 | Rational design of hetero-dimensional C-ZnO/MoS nanocomposite anchored on 3D mesoporous carbon framework towards synergistically enhanced stability and efficient visible-light-driven photocatalytic activity. <i>Chemosphere</i> , <b>2021</b> , 266, 129148 | 8.4 | 14        |
| 176 | The Highly Uniform Photoresponsivity from Visible to Near IR Light in SbTe Flakes. <i>Sensors</i> , <b>2021</b> , 21,  | 3.8 | 1         |
| 175 | Anisotropic Strain on GaN Microdisks Grown by Plasma-Assisted Molecular Beam Epitaxy. <i>Crystals</i> , <b>2020</b> , 10, 899  | 2.3 |           |
| 174 | Anisotropic photoluminescence of nonpolar ZnO epilayers and ZnO/ZnMgO multiple quantum wells grown on LiGaO substrate. <i>Optics Express</i> , <b>2020</b> , 28, 5629-5638   | 3.3 | 4         |
| 173 | Observation of Landau Level-Dependent Aharonov-Bohm-Like Oscillations in a Topological Insulator. <i>Nanoscale Research Letters</i> , <b>2020</b> , 15, 171  | 5   |           |
| 172 | 2D CTAB-MoSe Nanosheets and 0D MoSe Quantum Dots: Facile Top-Down Preparations and Their Peroxidase-Like Catalytic Activity for Colorimetric Detection of Hydrogen Peroxide. <i>Nanomaterials</i> , <b>2020</b> , 10,  | 5.4 | 8         |
| 171 | Pressure and magnetic field effects on ferroelastic and antiferromagnetic orderings in honeycomb-lattice Mn <sub>2</sub> V <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2020</b> , 102,   | 3.3 | 4         |
| 170 | Fracture Resistance of Monolithic Zirconia Crowns in Implant Prostheses in Patients with Bruxism. <i>Materials</i> , <b>2019</b> , 12,   | 3.5 | 6         |
| 169 | Spectral and kinetic characteristics of pyroelectric luminescence in LiGaO <sub>2</sub> . <i>Optical Materials</i> , <b>2019</b> , 94, 15-20   | 3.3 | 1         |
| 168 | Epitaxial growth of Cu <sub>2</sub> O on Cu substrate via a combinatorial substrate approach. <i>Journal of Crystal Growth</i> , <b>2019</b> , 512, 124-130  | 1.6 | 3         |
| 167 | Facile Bottom-up Preparation of WS-Based Water-Soluble Quantum Dots as Luminescent Probes for Hydrogen Peroxide and Glucose. <i>Nanoscale Research Letters</i> , <b>2019</b> , 14, 271   | 5   | 12        |
| 166 | Indium-Incorporation with In <sub>x</sub> Ga <sub>1-x</sub> N Layers on GaN-Microdisks by Plasma-Assisted Molecular Beam Epitaxy. <i>Crystals</i> , <b>2019</b> , 9, 308   | 2.3 | 2         |
| 165 | Crystal field and hyperfine structure of Er <sup>3+</sup> in YPO <sub>4</sub> :Er single crystals: High-resolution optical and EPR spectroscopy. <i>Physical Review B</i> , <b>2019</b> , 99,  | 3.3 | 5         |
| 164 | Fracture Resistance of Monolithic Zirconia Crowns on Four Occlusal Convergent Abutments in Implant Prosthesis. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 2585   | 2.6 | 4         |
| 163 | Enhancing thermoelectric performance by Fermi level tuning and thermal conductivity degradation in (GeBi)Te crystals. <i>Scientific Reports</i> , <b>2019</b> , 9, 8616  | 4.9 | 24        |
| 162 | Zero Cu valence and superconductivity in high-quality Cu <sub>x</sub> Bi <sub>2</sub> Se <sub>3</sub> crystal. <i>Physical Review B</i> , <b>2019</b> , 100,   | 3.3 | 3         |
| 161 | Controlling Surface Morphology and Circumventing Secondary Phase Formation in Non-polar m-GaN by Tuning Nitrogen Activity. <i>Journal of Electronic Materials</i> , <b>2018</b> , 47, 359-367  | 1.9 | 1         |

|     |  |     |    |
|-----|--|-----|----|
| 160 | Anisotropic Behaviors in ( $\text{Li}_{1-x}\text{Fe}_x$ ) OHFeSe Superconducting Single Crystals. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2018</b> , 28, 1-5  | 1.8 | 1  |
| 159 | Strain of M-plane GaN epitaxial layer grown on LiGaO <sub>2</sub> (100) by plasma-assisted molecular beam epitaxy. <i>AIP Advances</i> , <b>2018</b> , 8, 075116   | 1.5 | 1  |
| 158 | Comparison of Luminescence in LiGaO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> -Ga and Al <sub>2</sub> O <sub>3</sub> -Li Crystals. <i>Latvian Journal of Physics and Technical Sciences</i> , <b>2018</b> , 55, 4-12 | 0.5 |    |
| 157 | The Extremely Enhanced Photocurrent Response in Topological Insulator Nanosheets with High Conductance. <i>Nanoscale Research Letters</i> , <b>2018</b> , 13, 371  | 5   | 1  |
| 156 | The thickness-induced magneto-transport and optic properties enhancement in SbTe flakes. <i>Scientific Reports</i> , <b>2018</b> , 8, 16690  | 4.9 |    |
| 155 | Finite growth of InGaN/GaN triple-quantum-well microdisks on LiAlO <sub>2</sub> substrate. <i>AIP Advances</i> , <b>2018</b> , 8, 095208   | 1.5 | 2  |
| 154 | The Aharonov-Bohm oscillation in the BiSbTe <sub>3</sub> topological insulator macroflake. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 203103  | 3.4 | 5  |
| 153 | Achieving high MgO content in wurtzite ZnO epilayer grown on ScAlMgO <sub>4</sub> substrate. <i>Journal of Crystal Growth</i> , <b>2017</b> , 477, 174-178   | 1.6 | 5  |
| 152 | Two-carrier transport-induced extremely large magnetoresistance in high mobility Sb <sub>2</sub> Se <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 015107   | 2.5 | 5  |
| 151 | Photoconduction properties and anomalous power-dependent quantum efficiency in non-polar ZnO epitaxial films grown by chemical vapor deposition. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 052101              | 3.4 | 6  |
| 150 | Optical properties of lithium gallium oxide. <i>Applied Surface Science</i> , <b>2017</b> , 421, 837-842   | 6.7 | 6  |
| 149 | Epitaxial growth of rocksalt Zn <sub>1-x</sub> Mg <sub>x</sub> O on MgO (100) substrate by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , <b>2017</b> , 477, 169-173   | 1.6 | 10 |
| 148 | Observation of surface oxidation resistant Shubnikov-de Haas oscillations in Sb <sub>2</sub> SeTe <sub>2</sub> topological insulator. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 054311                      | 2.5 | 6  |
| 147 | Extremely high-performance visible light photodetector in the SbSeTe nanoflake. <i>Scientific Reports</i> , <b>2017</b> , 7, 45413   | 4.9 | 25 |
| 146 | Luminescence properties of LiGaO <sub>2</sub> crystal. <i>Optical Materials</i> , <b>2017</b> , 69, 449-459  | 3.3 | 8  |
| 145 | Growth and Characterization of -Plane GaN Thin Films Grown on -LiAlO (100) Substrates. <i>Scanning</i> , <b>2017</b> , 2017, 2362084   | 1.6 | 1  |
| 144 | Growth and Characteristics of High-quality InN by Plasma- Assisted Molecular Beam Epitaxy <b>2017</b> ,  |     | 1  |
| 143 | Enhancement of carrier transport characteristic in the SbSeTe topological insulators by N adsorption. <i>Scientific Reports</i> , <b>2017</b> , 7, 5133  | 4.9 | 5  |

|     |   |      |    |
|-----|---|------|----|
| 142 | Thickness-dependent conductance in SbSeTe topological insulator nanosheets. <i>Scientific Reports</i> , <b>2017</b> , 7, 1896   | 4.9  | 15 |
| 141 | Highly responsive photoconductance in a Sb <sub>2</sub> SeTe <sub>2</sub> topological insulator nanosheet at room temperature. <i>RSC Advances</i> , <b>2017</b> , 7, 39057-39062   | 3.7  | 16 |
| 140 | Extremely large nonsaturating magnetoresistance and ultrahigh mobility due to topological surface states in the metallic Bi <sub>2</sub> Te <sub>3</sub> topological insulator. <i>Physical Review B</i> , <b>2017</b> , 95,              | 3.3  | 41 |
| 139 | In situ inward epitaxial growth of bulk macroporous single crystals. <i>Nature Communications</i> , <b>2017</b> , 8, 2178   | 17.4 | 11 |
| 138 | (Li <sub>1-x</sub> Fex)OFeSe Superconductors: Crystal Growth, Structure, and Electromagnetic Properties. <i>Crystals</i> , <b>2017</b> , 7, 167   | 2.3  | 4  |
| 137 | Fracture resistance of monolithic zirconia crowns with different occlusal thicknesses in implant prostheses. <i>Journal of Prosthetic Dentistry</i> , <b>2016</b> , 115, 76-83  | 4    | 21 |
| 136 | Photoconductivities in m-plane and c-plane ZnO epitaxial films grown by chemical vapor deposition on LiGaO <sub>2</sub> substrates: a comparative study. <i>RSC Advances</i> , <b>2016</b> , 6, 86095-86100                               | 3.7  | 5  |
| 135 | Robustness of a Topologically Protected Surface State in a SbTeSe Single Crystal. <i>Scientific Reports</i> , <b>2016</b> , 6, 36538  | 4.9  | 12 |
| 134 | Size and orientation effect on the mechanical properties of LiAlO <sub>2</sub> single crystal. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2016</b> , 677, 302-306 | 5.3  | 3  |
| 133 | Growth of InN hexagonal microdisks. <i>AIP Advances</i> , <b>2016</b> , 6, 085015   | 1.5  | 2  |
| 132 | Shubnikov-de Haas oscillation of Bi <sub>2</sub> Te <sub>3</sub> topological insulators with cm-scale uniformity. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 255303  | 3    | 10 |
| 131 | The linear magnetoresistance from surface state of the Sb <sub>2</sub> SeTe <sub>2</sub> topological insulator. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 245110   | 2.5  | 12 |
| 130 | The large linear magnetoresistance in Sb <sub>2</sub> Se <sub>2</sub> Te single crystal with extremely low mobility. <i>Materials Research Express</i> , <b>2016</b> , 3, 126101  | 1.7  | 6  |
| 129 | High-Pulse-Energy Topological Insulator Bi <sub>2</sub> Te <sub>3</sub> -Based Passive Q-Switched Solid-State Laser. <i>IEEE Photonics Journal</i> , <b>2016</b> , 8, 1-10  | 1.8  | 19 |
| 128 | The temperature dependence of the crossover magnetic field of linear magnetoresistance in the Cu <sub>0.1</sub> Bi <sub>2</sub> Se <sub>3</sub> . <i>Materials Research Express</i> , <b>2016</b> , 3, 086103                             | 1.7  | 5  |
| 127 | Characterization of M -plane GaN thin films grown on misoriented LiAlO <sub>2</sub> (100) substrates. <i>Journal of Crystal Growth</i> , <b>2016</b> , 450, 197-202   | 1.6  | 6  |
| 126 | Growth of c-plane ZnO on LiAlO <sub>2</sub> (1 0 0) substrate with a GaN buffer layer by plasma assisted molecular beam epitaxy. <i>Applied Surface Science</i> , <b>2015</b> , 351, 824-830  | 6.7  | 10 |
| 125 | Microstructural and optical properties of high-quality ZnO epitaxially grown on a LiGaO <sub>2</sub> substrate. <i>RSC Advances</i> , <b>2015</b> , 5, 35405-35411  | 3.7  | 11 |

|     |  |     |    |
|-----|--|-----|----|
| 124 | Ultrasensitive nonlinear absorption response of large-size topological insulator and application in low-threshold bulk pulsed lasers. <i>Scientific Reports</i> , <b>2015</b> , 5, 14856   | 4.9 | 39 |
| 123 | Epitaxial growth of nonpolar m-plane ZnO epilayers and ZnO/Zn <sub>0.55</sub> Mg <sub>0.45</sub> O multiple quantum wells on a LiGaO <sub>2</sub> (100) substrate. <i>RSC Advances</i> , <b>2015</b> , 5, 104798-104805                            | 3.7 | 4  |
| 122 | The synthesis route and the growth mechanism of aligned GaN nanobelts. <i>Chemical Communications</i> , <b>2014</b> , 50, 5695-8   | 5.8 | 10 |
| 121 | Epitaxy of triangular GaN nanoislands on (010) LiGaO <sub>2</sub> substrate. <i>Materials Letters</i> , <b>2014</b> , 120, 101-103   | 3.3 | 4  |
| 120 | Growth of MgO doped near stoichiometric LiNbO <sub>3</sub> single crystals by a hanging crucible Czochralski method using a ship lockage type powder feeding system assisted by numerical simulation. <i>CrystEngComm</i> , <b>2014</b> , 16, 6593 | 3.3 | 6  |
| 119 | Growth of nonpolar ZnO Films on (100) LiGaO <sub>2</sub> substrate by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , <b>2014</b> , 407, 11-16  | 1.6 | 13 |
| 118 | Growth and characterization of LiGaO <sub>2</sub> single crystal. <i>Journal of Crystal Growth</i> , <b>2014</b> , 402, 325-329  | 1.6 | 29 |
| 117 | Charge Transfer in Au Nanoparticle-Nonpolar ZnO Photocatalysts Illustrated by Surface-Potential-Derived Three-Dimensional Band Diagram. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 19814-19821                                    | 3.8 | 20 |
| 116 | Optical characteristics of nonpolar a-plane ZnO thin film on (010) LiGaO <sub>2</sub> substrate. <i>Semiconductor Science and Technology</i> , <b>2014</b> , 29, 085004  | 1.8 | 13 |
| 115 | Morphological control over nonpolar GaN nanostructures on (100) LiAlO <sub>2</sub> substrate. <i>Materials Letters</i> , <b>2014</b> , 130, 271-273  | 3.3 | 2  |
| 114 | Green light emission by InGaN/GaN multiple-quantum-well microdisks. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 102105   | 3.4 | 4  |
| 113 | Electrical contact for wurtzite GaN microdisks. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 082101   | 3.4 | 2  |
| 112 | Resonant Raman scattering and photoluminescent properties of nonpolar a-plane ZnO thin film on LiGaO <sub>2</sub> substrate. <i>Applied Physics Express</i> , <b>2014</b> , 7, 041101  | 2.4 | 9  |
| 111 | Self-assembly epitaxial growth of nanorods on nanowalls in hierarchical ZnO hexagonal nanocastle. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1  | 2.3 | 1  |
| 110 | Epitaxial growth of nonpolar and polar ZnO on LiAlO <sub>2</sub> (100) substrate by plasma-assisted molecular beam epitaxy. <i>Journal of Crystal Growth</i> , <b>2013</b> , 377, 82-87  | 1.6 | 11 |
| 109 | Rock-salt Zn <sub>1-x</sub> Mg <sub>x</sub> O epilayer having high Zn content grown on MgO (100) substrate by plasma-assisted molecular beam epitaxy. <i>Journal of Crystal Growth</i> , <b>2013</b> , 378, 168-171                                | 1.6 | 8  |
| 108 | Growth, structural, optical and thermal properties of Yb-doped and Yb/Mg codoped LiNbO <sub>3</sub> single crystals. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 564, 1-7   | 5.7 | 9  |
| 107 | Epitaxial growth of nonpolar ZnO on MgO (1 0 0) substrate by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , <b>2013</b> , 378, 172-176   | 1.6 | 10 |

|     |  |     |    |
|-----|--|-----|----|
| 106 | Growth and characterization of a-plane (110) GaN films on (010) LiGaO <sub>2</sub> substrate by chemical vapor deposition. <i>Journal of Crystal Growth</i> , <b>2013</b> , 363, 113-117   | 1.6 | 5  |
| 105 | ZnO Nanostructures Prepared on LiAlO <sub>2</sub> Substrates by Chemical Vapor Deposition. <i>ECS Transactions</i> , <b>2013</b> , 45, 13-19   | 1   |    |
| 104 | Strain Relaxation, Defects and Cathodoluminescence of m-Plane ZnO and Zn <sub>0.8</sub> Mg <sub>0.2</sub> O Epilayers Grown on $\sqrt{3}\times\sqrt{3}$ -LiAlO <sub>2</sub> Substrate. <i>ECS Journal of Solid State Science and Technology</i> , <b>2013</b> , 2, P338-P345 | 2   | 7  |
| 103 | Preparation of CsI(Tl) Scintillation Film by RF Magnetron Sputter Method and its Structural and Optical Characterization. <i>Advanced Materials Research</i> , <b>2013</b> , 652-654, 628-633  | 0.5 |    |
| 102 | Spectral and Spatial Luminescence Distribution of m-Plane ZnO Epitaxial Films Containing Stacking Faults: A Cathodoluminescence Study. <i>Applied Physics Express</i> , <b>2013</b> , 6, 061101  | 2.4 | 9  |
| 101 | Characterization of GaN microstructures grown by plasma-assisted molecular beam epitaxy. <i>AIP Advances</i> , <b>2013</b> , 3, 062134   | 1.5 |    |
| 100 | Optical, scintillation and thermally stimulated luminescence properties of Sc <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> :Ce single crystal grown by floating zone method. <i>Optical Materials</i> , <b>2012</b> , 34, 1003-1006   | 3.3 | 5  |
| 99  | Characterization of M-plane GaN thin film grown on pre-annealing $\sqrt{3}\times\sqrt{3}$ -LiGaO <sub>2</sub> (100) substrate. <i>Thin Solid Films</i> , <b>2012</b> , 526, 87-91  | 2.2 |    |
| 98  | Photoassisted Scanning Tunneling Microscopy Investigation on the ZnO(0001)-Zn Surface Treated by Alkaline Solution. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 10664-10671  | 3.8 | 3  |
| 97  | Deformation twinning in LiAlO <sub>2</sub> at elevated temperatures. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2012</b> , 551, 218-221  | 5.3 | 2  |
| 96  | Improvement of M-plane GaN thin film grown on pre-annealing $\sqrt{3}\times\sqrt{3}$ -LiGaO <sub>2</sub> (100) substrate. <i>Journal of Crystal Growth</i> , <b>2012</b> , 340, 61-65  | 1.6 | 6  |
| 95  | Growth and Characterization of Vertically Aligned Nonpolar [11 00] Orientation ZnO Nanostructures on (100) $\sqrt{3}\times\sqrt{3}$ -LiAlO <sub>2</sub> Substrate. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 6208-6214  | 3.5 | 7  |
| 94  | Optical and thermoluminescence properties of Lu <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> :Pr single crystal. <i>Journal of Rare Earths</i> , <b>2012</b> , 30, 775-779  | 3.7 | 11 |
| 93  | Microstructure Characterization of Nonpolar ZnO and Zn <sub>1-x</sub> Mg <sub>x</sub> O Epilayers Grown on (100) $\sqrt{3}\times\sqrt{3}$ -LiAlO <sub>2</sub> by Chemical Vapor Deposition. <i>ECS Transactions</i> , <b>2012</b> , 45, 63-71                                | 1   | 3  |
| 92  | InGaN/GaN single-quantum-well microdisks. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 242101   | 3.4 | 9  |
| 91  | Growth Behavior of m-Plane ZnO Epilayer on (100) LiGaO <sub>2</sub> by Chemical Vapor Deposition. <i>Journal of the Electrochemical Society</i> , <b>2011</b> , 158, H1166   | 3.9 | 7  |
| 90  | Characterization of M-plane GaN film grown on $\sqrt{3}\times\sqrt{3}$ -LiGaO <sub>2</sub> (100) by plasma-assisted molecular beam epitaxy. <i>Thin Solid Films</i> , <b>2011</b> , 519, 3569-3572   | 2.2 | 8  |
| 89  | Nonpolar a-plane ZnO growth and nucleation mechanism on (100) (La, Sr)(Al, Ta)O <sub>3</sub> substrate. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 125, 791-795  | 4.4 | 12 |

|    |   |     |    |
|----|---|-----|----|
| 88 | Microstructure of non-polar GaN on LiGaO <sub>2</sub> grown by plasma-assisted MBE. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 425  | 5   | 7  |
| 87 | Mechanisms of impurity incorporation during MOVPE growth of m-plane GaN layers on LiAlO <sub>2</sub> . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2011</b> , 8, 2050-2052   |     |    |
| 86 | Growth and Optical Properties of Nonpolar ( $\bar{1}00$ ) Zn <sub>1-x</sub> CoxO Epitaxial Film on a LiAlO <sub>2</sub> Substrate. <i>Chemical Vapor Deposition</i> , <b>2011</b> , 17, 88-92   |     | 1  |
| 85 | Effect of indium incorporation on optical and structural properties of m-plane InGaN/GaN MQW on LiAlO <sub>2</sub> substrates. <i>Journal of Crystal Growth</i> , <b>2011</b> , 315, 246-249  | 1.6 | 12 |
| 84 | Growth of non-polar GaN on LiGaO <sub>2</sub> by plasma-assisted MBE. <i>Journal of Crystal Growth</i> , <b>2011</b> , 323, 76-79   | 1.6 | 3  |
| 83 | Growth of nonpolar m-plane GaN ( $10\bar{1}0$ ) single crystal on (100) LiAlO <sub>2</sub> substrate by a newly designed hydride vapor phase epitaxy. <i>Journal of Crystal Growth</i> , <b>2011</b> , 316, 6-9   | 1.6 | 2  |
| 82 | Growth of nonpolar m-plane GaN epitaxial film on a lattice-matched (100) LiGaO <sub>2</sub> substrate by chemical vapor deposition. <i>Thin Solid Films</i> , <b>2011</b> , 519, 5066-5069  | 2.2 | 17 |
| 81 | Epitaxial growth of nonpolar m-plane ZnO ( $10\bar{1}0$ ) on large-size LiGaO <sub>2</sub> (100) substrates. <i>Thin Solid Films</i> , <b>2011</b> , 519, 3627-3631   | 2.2 | 24 |
| 80 | Growth, Characterization, and Polarity Identification of (0001) Zn <sub>1-x</sub> Mg <sub>x</sub> O Epitaxial Films on Lattice-Matched LiGaO <sub>2</sub> (001) Substrates. <i>Journal of the Electrochemical Society</i> , <b>2011</b> , 158, D28                                | 3.9 | 8  |
| 79 | Formation Mechanism of {0001} ZnO Epitaxial Layer on LiAlO <sub>2</sub> (100) Substrate by Chemical Vapor Deposition. <i>Journal of the Electrochemical Society</i> , <b>2011</b> , 158, H38  | 3.9 | 8  |
| 78 | m-plane (101 0) InN heteroepitaxied on (100)-LiAlO <sub>2</sub> substrate: Growth orientation control and characterization of structural and optical anisotropy. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 073502  | 2.5 | 10 |
| 77 | Improved quality of nonpolar m-plane GaN [ $10\bar{1}0$ ] on LiAlO <sub>2</sub> substrate using a modified chemical vapor deposition. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 013502   | 2.5 | 12 |
| 76 | Self-confined GaN heterophased quantum wells. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 222105   | 3.4 | 3  |
| 75 | Epitaxial Growth of ZnO on LiAlO <sub>2</sub> and LiGaO <sub>2</sub> Substrates by Chemical Vapor Deposition. <i>ECS Transactions</i> , <b>2010</b> , 28, 33-44   | 1   | 2  |
| 74 | A Novel Method to Synthesize a Large Area of Single Crystalline LiAl <sub>5</sub> O <sub>8</sub> Nanorods. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 191-194   | 3.5 | 3  |
| 73 | Acoustic velocities of shear waves in La <sub>3</sub> Ga <sub>(5.5)</sub> Ta <sub>(0.5)</sub> O <sub>14</sub> piezoelectric crystal using singular value decomposition. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2010</b> , 57, 1813-7 | 3.2 | 1  |
| 72 | MOVPE growth and properties of non-polar InGaN/GaN multiple quantum wells on LiAlO <sub>2</sub> substrates. <i>Journal of Crystal Growth</i> , <b>2010</b> , 312, 1329-1333   | 1.6 | 7  |
| 71 | A proper solution to study the etch pits on LiAlO <sub>2</sub> single crystal. <i>Journal of Crystal Growth</i> , <b>2010</b> , 313, 42-46  | 1.6 | 0  |

|    |  |     |    |
|----|--|-----|----|
| 70 | Growth and characterizations of nonpolar [11 $\bar{2}$ 0] ZnO on [100] (La,Sr)(Al,Ta)O <sub>3</sub> substrate by chemical vapor deposition. <i>Journal of Crystal Growth</i> , <b>2010</b> , 312, 1170-1174  | 1.6 | 14 |
| 69 | Growth of A-plane GaN on (010) LiGaO <sub>2</sub> by plasma-assisted MBE. <i>Journal of Crystal Growth</i> , <b>2010</b> , 312, 1665-1669  | 1.6 | 13 |
| 68 | Growth of M-plane GaN on (100) LiGaO <sub>2</sub> by plasma-assisted molecular beam epitaxy. <i>Thin Solid Films</i> , <b>2010</b> , 518, 6773-6776  | 2.2 | 11 |
| 67 | Growth of free-standing non-polar GaN on (100) LiAlO <sub>2</sub> substrates by hydride vapor phase epitaxy. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2010</b> , 7, 1764-1766  |     | 5  |
| 66 | Self-assembled GaN hexagonal micropillar and microdisk. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 062105  | 3.4 | 17 |
| 65 | Growth behavior and microstructure of ZnO epilayer on LiAlO <sub>2</sub> (100) substrate by chemical vapor deposition. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2009</b> , 206, 215-219  | 1.6 | 7  |
| 64 | Impact of nitridation on structural and optical properties of MOVPE-grown m-plane GaN layers on LiAlO <sub>2</sub> . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2009</b> , 6, S482-S485  |     | 4  |
| 63 | Visfatin-induced expression of inflammatory mediators in human endothelial cells through the NF-kappaB pathway. <i>International Journal of Obesity</i> , <b>2009</b> , 33, 465-72   | 5.5 | 75 |
| 62 | Growth and characterization of m-plane GaN-based layers on LiAlO <sub>2</sub> (1 0 0) grown by MOVPE. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 452-455  | 1.6 | 15 |
| 61 | Growth behavior of nonpolar GaN on the nearly lattice-matched (100) LiAlO <sub>2</sub> substrate by chemical vapor deposition. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 448-451   | 1.6 | 11 |
| 60 | Optical characteristics of m-plane InGaN/GaN multiple quantum well grown on LiAlO <sub>2</sub> (100) by MOVPE. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 2919-2922   | 1.6 | 7  |
| 59 | Growth and characterization of c-plane AlGaIn on LiAlO <sub>2</sub> . <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 3726-3730  |     | 1  |
| 58 | Crystal Growth of Nonpolar m-Plane ZnO on a Lattice-Matched (100) LiAlO <sub>2</sub> Substrate. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 2073-2078  | 3.5 | 31 |
| 57 | Growth and Characterization of Nonpolar (101 0) Zn <sub>1-x</sub> Mg <sub>x</sub> O (0 $\leq$ x $\leq$ 0.113) Epitaxial Films: A Comparison of LiAlO <sub>2</sub> (100) and Sapphire (101 0) Substrates. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 3301-3306 | 3.5 | 14 |
| 56 | Self-Assembled c-Plane GaN Nanopillars on LiAlO <sub>2</sub> Substrate Grown by Plasma-Assisted Molecular-Beam Epitaxy. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 891-895   | 1.4 | 13 |
| 55 | Antiphase ordering and surface phases in lithium aluminate. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 093530  | 0.5 | 2  |
| 54 | Line defects of M-plane GaN grown on LiAlO <sub>2</sub> by plasma-assisted molecular beam epitaxy. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 202106   | 3.4 | 15 |
| 53 | m -plane GaN/InGaIn on LiAlO <sub>2</sub> grown by MOVPE. <i>Physica Status Solidi (B): Basic Research</i> , <b>2008</b> , 245, 893-895  | 1.3 | 3  |



|    |  |     |    |
|----|--|-----|----|
| 52 | Growth and investigation of m-plane (In)GaN buffer layers on LiAlO <sub>2</sub> substrates. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 4976-4978  | 1.6 | 4  |
| 51 | Zone-leveling Czochralski growth and characterization of undoped and MgO-doped near-stoichiometric lithium tantalate crystals. <i>Journal of Crystal Growth</i> , <b>2008</b> , 311, 66-71   | 1.6 | 7  |
| 50 | Czochralski growth and defect study of (La,Sr)(Al,Ta)O <sub>3</sub> single crystals. <i>Journal of Physics and Chemistry of Solids</i> , <b>2008</b> , 69, 425-429   | 3.9 | 9  |
| 49 | Temperature Dependence of the Stokes Shift in Tensile InGaN/GaN MQWs with Advanced Buffer Layers. <i>Journal of the Korean Physical Society</i> , <b>2008</b> , 53, 1584-1588  | 0.6 | 5  |
| 48 | Crystal growth and polishing method of lithium aluminum oxide crystal. <i>Journal of Crystal Growth</i> , <b>2007</b> , 303, 585-589   | 1.6 | 24 |
| 47 | Growth and characterization of nonpolar ZnO (101̄0) epitaxial film on LiAlO <sub>2</sub> substrate by chemical vapor deposition. <i>Journal of Crystal Growth</i> , <b>2007</b> , 308, 412-416   | 1.6 | 41 |
| 46 | Diagnosis of an asymptomatic uterine rupture in a twin pregnancy with four-dimensional ultrasound examination and magnetic resonance imaging. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2007</b> , 30, 364-6                 | 5.8 | 3  |
| 45 | P-wave-enhanced spin field effect transistor and recent patents. <i>Recent Patents on Nanotechnology</i> , <b>2007</b> , 1, 169-75   | 1.2 |    |
| 44 | Crystal growth and properties of LiAlO <sub>2</sub> and nonpolar GaN on LiAlO <sub>2</sub> substrate. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 103106  | 2.5 | 29 |
| 43 | Influence of an Advanced Buffer Layer on the Optical Properties of an InGaN/GaN MQW Grown on a (111) Silicon Substrate. <i>Journal of the Korean Physical Society</i> , <b>2007</b> , 50, 797  | 0.6 | 6  |
| 42 | Differential expression of vascular endothelial growth factor, placenta growth factor and their receptors in placentae from pregnancies complicated by placenta accreta. <i>Placenta</i> , <b>2006</b> , 27, 70-8                      | 3.4 | 54 |
| 41 | Defects and acoustic properties of LiAlO <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2006</b> , 88, 161906  | 3.4 | 15 |
| 40 | Experimental measurements of the phase and group velocities of body waves in a transversely isotropic medium. <i>NDT and E International</i> , <b>2006</b> , 39, 162-168   | 4.1 | 9  |
| 39 | Defect characterizations of LiAlO <sub>2</sub> single crystals. <i>Journal of Crystal Growth</i> , <b>2006</b> , 291, 485-490  | 1.6 | 27 |
| 38 | Study on Czochralski growth and defects of LiAlO <sub>2</sub> single crystals. <i>Journal of Crystal Growth</i> , <b>2006</b> , 292, 542-545   | 1.6 | 9  |
| 37 | Usefulness of gray-scale ultrasound and complementary color Doppler ultrasound in the prenatal diagnosis of placenta previa accreta. <i>American Journal of Obstetrics and Gynecology</i> , <b>2005</b> , 192, 1349; author reply 1350 | 6.4 | 3  |
| 36 | Diagnosis of an interstitial pregnancy with 4-dimensional volume contrast imaging. <i>American Journal of Obstetrics and Gynecology</i> , <b>2005</b> , 193, 1551-3  | 6.4 | 15 |
| 35 | Grain boundary effect on electron-beam-induced current in La <sub>3</sub> Ga <sub>5.5</sub> Ta <sub>0.5</sub> O <sub>14</sub> crystal. <i>Materials Research Bulletin</i> , <b>2005</b> , 40, 1883-1890                                | 5.1 |    |

|    |  |     |     |
|----|--|-----|-----|
| 34 | Cesarean scar pregnancy: quantitative assessment of uterine neovascularization with 3-dimensional color power Doppler imaging and successful treatment with uterine artery embolization. <i>American Journal of Obstetrics and Gynecology</i> , <b>2004</b> , 190, 866-8 | 6.4 | 63  |
| 33 | Internal iliac artery embolization before hysterectomy for placenta accreta. <i>Journal of Vascular and Interventional Radiology</i> , <b>2003</b> , 14, 1195-9  | 2.4 | 51  |
| 32 | Defects in m-face GaN films grown by halide vapor phase epitaxy on LiAlO <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2003</b> , 83, 1139-1141   | 3.4 | 13  |
| 31 | Structural Properties of Free-Standing 50 mm Diameter GaN Wafers with (1010) Orientation Grown on LiAlO <sub>2</sub> . <i>Materials Research Society Symposia Proceedings</i> , <b>2003</b> , 764, 1   |     | 10  |
| 30 | Fetal axillary hemangiolympangioma with secondary intralesional bleeding: serial ultrasound findings. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2002</b> , 19, 403-6   | 5.8 | 11  |
| 29 | Prenatal sonographic appearance of congenital axillary fibrosarcoma with intrathoracic invasion. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2002</b> , 20, 98-100   | 5.8 | 7   |
| 28 | The application of three-dimensional color power Doppler ultrasound in the depiction of abnormal uteroplacental angioarchitecture in placenta previa percreta. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2002</b> , 19, 625-7                                  | 5.8 | 22  |
| 27 | In utero diagnosis of fetal gastroschisis with eviscerated gastric perforation. <i>Prenatal Diagnosis</i> , <b>2002</b> , 22, 163-4  | 3.2 | 0   |
| 26 | Varix of the portal vein: prenatal diagnosis in a fetus with mosaic trisomy 9 syndrome. <i>Prenatal Diagnosis</i> , <b>2002</b> , 22, 495-7  | 3.2 | 1   |
| 25 | Polarization effects in photoluminescence of C- and M-plane GaN/AlGa <sub>N</sub> multiple quantum wells. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 4130-4132   | 3.4 | 90  |
| 24 | Role of polarization in the photoluminescence of C- and M-plane oriented GaN/AlGa <sub>N</sub> multiple quantum wells. <i>Materials Research Society Symposia Proceedings</i> , <b>2002</b> , 743, L5.3.1  |     |     |
| 23 | GaN homoepitaxy on freestanding (11 00) oriented GaN substrates. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 3194-3196  | 3.4 | 72  |
| 22 | In utero sonographic diagnosis of a communicating enteric duplication cyst in a giant omphalocele. <i>Prenatal Diagnosis</i> , <b>2001</b> , 21, 540-2   | 3.2 | 11  |
| 21 | Three-dimensional color power Doppler imaging in the assessment of uteroplacental neovascularization in placenta previa increta/percreta. <i>American Journal of Obstetrics and Gynecology</i> , <b>2001</b> , 185, 1257-60  | 6.4 | 40  |
| 20 | Sonographic appearance of tornado blood flow in placenta previa accreta/increta. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2001</b> , 17, 362-3  | 5.8 | 12  |
| 19 | Prenatal diagnosis of placenta previa accreta by transabdominal color Doppler ultrasound. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2000</b> , 15, 28-35   | 5.8 | 189 |
| 18 | Prenatal diagnosis of intrahepatic arteriovenous shunts. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2000</b> , 15, 441-4  | 5.8 | 7   |
| 17 | Ultrasonic diagnosis of ureteral injury after laparoscopically-assisted vaginal hysterectomy. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2000</b> , 16, 279-83  | 5.8 | 5   |

|    |  |      |     |
|----|--|------|-----|
| 16 | In utero diagnosis of cardiac hemangioma. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>1999</b> , 13, 363-5   | 5.8  | 34  |
| 15 | The p35/Cdk5 kinase is a neuron-specific Rac effector that inhibits Pak1 activity. <i>Nature</i> , <b>1998</b> , 395, 194-8  | 5.4  | 349 |
| 14 | Color Doppler sonographic appearance of a Krukenberg tumor in pregnancy. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>1998</b> , 11, 459-60   | 5.8  | 7   |
| 13 | Recombinant human relaxin as a cervical ripening agent. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , <b>1997</b> , 104, 775-80  | 3.7  | 39  |
| 12 | Prenatal diagnosis of placenta previa accreta with power amplitude ultrasonic angiography. <i>American Journal of Obstetrics and Gynecology</i> , <b>1997</b> , 177, 1523-5  | 6.4  | 47  |
| 11 | SEVERE LIMB REDUCTION DEFECTS AFTER UTERINE LAVAGE AT 78 WEEKS OF GESTATION <b>1997</b> , 17, 77   |      | 1   |
| 10 | Termination of pathological pregnancy in second and early third trimesters with extraamniotic instillation of 16-phenoxo-omega-tetranor prostaglandin E2 methylsulfonylamide. <i>International Journal of Gynecology and Obstetrics</i> , <b>1994</b> , 47, 157-61   | 4    | 1   |
| 9  | Prenatal diagnosis of placental chorioangioma: contribution of color Doppler ultrasound. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>1994</b> , 4, 332-4   | 5.8  | 8   |
| 8  | A prospective, double-blind, randomized comparison of prophylactic intramyometrial 15-methyl prostaglandin F2 alpha, 125 micrograms, and intravenous oxytocin, 20 units, for the control of blood loss at elective cesarean section. <i>American Journal of Obstetrics and Gynecology</i> , <b>1994</b> , 171, 1356-60 | 6.4  | 39  |
| 7  | Early prenatal diagnosis of type III bilateral congenital cystic adenomatoid malformation of the lung. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>1992</b> , 2, 126-8   | 5.8  | 3   |
| 6  | Prenatal diagnosis of placenta previa/accreta with color Doppler ultrasound. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>1992</b> , 2, 293-6   | 5.8  | 32  |
| 5  | Role of liver in insulin physiology. <i>Diabetes Care</i> , <b>1980</b> , 3, 255-60  | 14.6 | 12  |
| 4  | Time-action characteristics of regular and NPH insulin in insulin-treated diabetics. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1980</b> , 50, 475-9   | 5.6  | 53  |
| 3  | Effects of thyroid-stimulating hormone on human thyroid carcinoma and adjacent normal tissue. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1978</b> , 47, 1052-8   | 5.6  | 34  |
| 2  | Experimental investigation of the BAW device potentials of singly rotated Y-cut ordered Langasite-structure crystals   |      | 7   |
| 1  | Investigation of crystal growth and material constants of ordered langasite structure compounds  |      | 8   |