

# Jeremy Levy

## List of Publications by Year in descending order

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142  
papers

8,261  
citations

101496

36  
h-index

46771

89  
g-index

143  
all docs

143  
docs citations

143  
times ranked

8196  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Digital oximetry biomarkers for assessing respiratory function: standards of measurement, physiological interpretation, and clinical use. <i>Npj Digital Medicine</i> , 2021, 4, 1.  | 5.7 | 304       |
| 2  | One-dimensional Kronigâ€“Penney superlattices at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface. <i>Nature Physics</i> , 2021, 17, 782-787.  | 6.5 | 9         |
| 3  | Machine learning for nocturnal diagnosis of chronic obstructive pulmonary disease using digital oximetry biomarkers. <i>Physiological Measurement</i> , 2021, 42, 054001.  | 1.2 | 10        |
| 4  | Gate-tunable optical extinction of graphene nanoribbon nanoclusters. <i>APL Materials</i> , 2021, 9, 071101.   | 2.2 | 1         |
| 5  | Electronically reconfigurable complex oxide heterostructure freestanding membranes. <i>Science Advances</i> , 2021, 7, .   | 4.7 | 15        |
| 6  | Correlated oxide Dirac semimetal in the extreme quantum limit. <i>Science Advances</i> , 2021, 7, eabf9631.  | 4.7 | 19        |
| 7  | Spin-orbit-assisted electron pairing in one-dimensional waveguides. <i>Physical Review B</i> , 2021, 104, .  | 1.1 | 3         |
| 8  | Engineered spin-orbit interactions in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> -based 1D serpentine electron waveguides. <i>Science Advances</i> , 2020, 6, .  | 4.7 | 10        |
| 9  | Gate-Tunable Optical Nonlinearities and Extinction in Graphene/LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Nanostructures. <i>Nano Letters</i> , 2020, 20, 6966-6973.   | 4.5 | 6         |
| 10 | Nanoscale control of LaAlO <sub>3</sub> /SrTiO <sub>3</sub> metalâ€“insulator transition using ultra-low-voltage electron-beam lithography. <i>Applied Physics Letters</i> , 2020, 117, .  | 1.5 | 5         |
| 11 | Pre-formed Cooper pairs in copper oxides and LaAlO <sub>3</sub> â€“SrTiO <sub>3</sub> heterostructures. <i>Nature Physics</i> , 2020, 16, 712-717.   | 6.5 | 20        |
| 12 | Pascal conductance series in ballistic one-dimensional LaAlO <sub>3</sub> /SrTiO <sub>3</sub> channels. <i>Science</i> , 2020, 367, 769-772.   | 6.0 | 43        |
| 13 | Frictional drag between superconducting LaAlO <sub>3</sub> /SrTiO <sub>3</sub> nanowires. <i>Semiconductor Science and Technology</i> , 2020, 35, 09LT01.  | 1.0 | 3         |
| 14 | Coupled Nanowires: Longâ€“Range Nonâ€“Coulombic Electronâ€“Electron Interactions between LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Nanowires (Adv. Mater. Interfaces 15/2019). <i>Advanced Materials Interfaces</i> , 2019, 6, 1970098. | 1.9 | 0         |
| 15 | Strong Aharonov-Bohm quantum interference in simply connected LaAlO <sub>3</sub> /SrTiO <sub>3</sub> structures. <i>Physical Review B</i> , 2019, 100, .   |     | 1         |
| 16 | Inhomogeneous energy landscape in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> nanostructures. <i>Nanoscale Horizons</i> , 2019, 4, 1194-1201.   | 4.1 | 5         |
| 17 | Reconfigurable edge-state engineering in graphene using LaAlO <sub>3</sub> /SrTiO <sub>3</sub> nanostructures. <i>Applied Physics Letters</i> , 2019, 114, .   | 1.5 | 5         |
| 18 | Over 100-THz bandwidth selective difference frequency generation at LaAlO <sub>3</sub> /SrTiO <sub>3</sub> nanojunctions. <i>Light: Science and Applications</i> , 2019, 8, 24.  | 7.7 | 6         |

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|----|---|------|-----------|
| 19 | Long-Range Non-Coulombic Electron-Electron Interactions between LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Nanowires. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900301.            | 1.9  | 5         |
| 20 | One-Dimensional Nature of Superconductivity at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Interface. <i>Physical Review Letters</i> , 2018, 120, 147001.                              | 2.9  | 34        |
| 21 | Shubnikov-de Haas-like Quantum Oscillations in Artificial One-Dimensional Electron Channels. <i>Physical Review Letters</i> , 2018, 120, 076801.                                      | 2.9  | 19        |
| 22 | Physics of SrTiO <sub>3</sub> -based heterostructures and nanostructures: a review. <i>Reports on Progress in Physics</i> , 2018, 81, 036503.   | 8.1  | 202       |
| 23 | Quantized Ballistic Transport of Electrons and Electron Pairs in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Nanowires. <i>Nano Letters</i> , 2018, 18, 4473-4481.                         | 4.5  | 50        |
| 24 | Extreme Reconfigurable Nanoelectronics at the CaZrO <sub>3</sub> /SrTiO <sub>3</sub> Interface. <i>Advanced Materials</i> , 2018, 30, 1801794.  | 11.1 | 16        |
| 25 | Graphene-Complex-Oxide Nanoscale Device Concepts. <i>ACS Nano</i> , 2018, 12, 6128-6136.  | 7.3  | 6         |
| 26 | Room-Temperature Quantum Transport Signatures in Graphene/LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Heterostructures. <i>Advanced Materials</i> , 2017, 29, 1603488.                     | 11.1 | 12        |
| 27 | Electrostatically tuned dimensional crossover in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> heterostructures. <i>APL Materials</i> , 2017, 5, 106107.                                     | 2.2  | 6         |
| 28 | Direct imaging of sketched conductive nanostructures at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface. <i>Applied Physics Letters</i> , 2017, 111, 233104.                     | 1.5  | 4         |
| 29 | Tunable Electron-Electron Interactions in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Nanostructures. <i>Physical Review X</i> , 2016, 6, .  | 2.8  | 29        |
| 30 | Improving student understanding of lock-in amplifiers. <i>American Journal of Physics</i> , 2016, 84, 52-56.  | 0.3  | 14        |
| 31 | Electro-mechanical response of top-gated LaAlO <sub>3</sub> /SrTiO <sub>3</sub> . <i>Journal of Applied Physics</i> , 2016, 119, .  | 1.1  | 11        |
| 32 | Micrometer-Scale Ballistic Transport of Electron Pairs in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> . <i>Physical Review Letters</i> , 2016, 117, 096801.                                | 2.9  | 32        |
| 33 | Giant conductivity switching of LaAlO <sub>3</sub> /SrTiO <sub>3</sub> heterointerfaces governed by surface protonation. <i>Nature Communications</i> , 2016, 7, 10681.               | 5.8  | 68        |
| 34 | Development and evaluation of a tutorial to improve students' understanding of a lock-in amplifier. <i>Physical Review Physics Education Research</i> , 2016, 12, .                   | 1.4  | 12        |
| 35 | LaAlO <sub>3</sub> thickness window for electronically controlled magnetism at LaAlO <sub>3</sub> /SrTiO <sub>3</sub> heterointerfaces. <i>Applied Physics Letters</i> , 2015, 107, . | 1.5  | 14        |
| 36 | Electric field effects in graphene/LaAlO <sub>3</sub> /SrTiO <sub>3</sub> heterostructures and nanostructures. <i>APL Materials</i> , 2015, 3, 062502.                                | 2.2  | 17        |

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|----|--|------|-----------|
| 37 | Photoconductive response of a single Au nanorod coupled to LaAlO <sub>3</sub> /SrTiO <sub>3</sub> nanowires. Applied Physics Letters, 2015, 106, .   | 1.5  | 6         |
| 38 | Electron pairing without superconductivity. Nature, 2015, 521, 196-199.  | 13.7 | 141       |
| 39 | Non-local piezoresponse of LaAlO <sub>3</sub> /SrTiO <sub>3</sub> heterostructures. Applied Physics Letters, 2014, 104, 161606.  | 1.5  | 14        |
| 40 | Epitaxial Si encapsulation of highly misfitting SiC quantum dot arrays formed on Si (001). Applied Physics Letters, 2014, 104, 013108.   | 1.5  | 1         |
| 41 | Room-temperature electronically-controlled ferromagnetism at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface. Nature Communications, 2014, 5, 5019.   | 5.8  | 115       |
| 42 | Nanoscale Phenomena in Oxide Heterostructures. Annual Review of Materials Research, 2014, 44, 117-149.   | 4.3  | 121       |
| 43 | Writing and Low-Temperature Characterization of Oxide Nanostructures. Journal of Visualized Experiments, 2014, , .   | 0.2  | 4         |
| 44 | Creation of a two-dimensional electron gas and conductivity switching of nanowires at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface grown by 90o off-axis sputtering. Applied Physics Letters, 2013, 103, . | 1.5  | 13        |
| 45 | Anomalous High Mobility in LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Nanowires. Nano Letters, 2013, 13, 364-368.  | 4.5  | 39        |
| 46 | Parallel Conductive-AFM Lithography on LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Interfaces. IEEE Nanotechnology Magazine, 2013, 12, 518-520.   | 1.1  | 5         |
| 47 | Epitaxial ferroelectric oxides on semiconductors- A route towards negative capacitance devices. Microelectronic Engineering, 2013, 109, 290-293.   | 1.1  | 13        |
| 48 | Broadband Terahertz Generation and Detection at 10 nm Scale. Nano Letters, 2013, 13, 2884-2888.  | 4.5  | 26        |
| 49 | Oxide-based platform for reconfigurable superconducting nanoelectronics. Nanotechnology, 2013, 24, 375201.   | 1.3  | 26        |
| 50 | Materials issues for quantum computation. MRS Bulletin, 2013, 38, 783-789.   | 1.7  | 18        |
| 51 | Formation and thermal stability of 2D ordered SiC/Si(001) nanodots. Journal of Materials Research, 2013, 28, 261-267.  | 1.2  | 2         |
| 52 | Nonlocal current-voltage characteristics of gated superconducting sketched oxide nanostructures. Europhysics Letters, 2013, 103, 57001.  | 0.7  | 8         |
| 53 | Direct imaging of LaAlO <sub>3</sub> /SrTiO <sub>3</sub> nanostructures using piezoresponse force microscopy. APL Materials, 2013, 1, 052110.  | 2.2  | 20        |
| 54 | Anomalous Transport in Sketched Nanostructures at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Interface. Physical Review X, 2013, 3, .  | 2.8  | 23        |

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|----|--|------|-----------|
| 55 | Gigahertz-frequency operation of a LaAlO <sub>3</sub> /SrTiO <sub>3</sub> -based nanotransistor. Applied Physics Letters, 2013, 102, .                                 | 1.5  | 16        |
| 56 | Structure of Si-capped Ge/SiC/Si (001) epitaxial nanodots: Implications for quantum dot patterning. Applied Physics Letters, 2012, 100, 141603.                        | 1.5  | 3         |
| 57 | Challenges in Ceramic Science: A Report from the Workshop on Emerging Research Areas in Ceramic Science. Journal of the American Ceramic Society, 2012, 95, 3699-3712. | 1.9  | 59        |
| 58 | Coherent phonon generation and detection in ultrathin SrTiO <sub>3</sub> grown directly on silicon. Annalen Der Physik, 2012, 524, 429-433.                            | 0.9  | 3         |
| 59 | LaAlO <sub>3</sub> /SrTiO <sub>3</sub> -based device concepts. , 2012, , 364-388.  |      | 4         |
| 60 | Sketched oxide single-electron transistor. Nature Nanotechnology, 2011, 6, 343-347.  | 15.6 | 118       |
| 61 | Nanoscale rectification at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface. Applied Physics Letters, 2010, 97, 013102.  | 1.5  | 24        |
| 62 | Rewritable nanoscale oxide photodetector. Nature Photonics, 2010, 4, 849-852.  | 15.6 | 126       |
| 63 | “Water-cycle” mechanism for writing and erasing nanostructures at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface. Applied Physics Letters, 2010, 97, 173110.     | 1.5  | 143       |
| 64 | Thermal activation and quantum field emission in a sketch-based oxide nanotransistor. Nanotechnology, 2010, 21, 475201.  | 1.3  | 6         |
| 65 | Creation of a two-dimensional electron gas at an oxide interface on silicon. Nature Communications, 2010, 1, 94.   | 5.8  | 160       |
| 66 | Tailoring effective exchange interactions via domain walls in coupled Heisenberg rings. Physical Review B, 2009, 80, .   | 1.1  | 7         |
| 67 | Intrinsic quantum noise in Faraday-rotation measurements of a single-electron spin. Physical Review A, 2009, 79, .   | 1.0  | 2         |
| 68 | Electrical manipulation of an electronic two-state system in Ge quantum dots. Applied Physics Letters, 2009, 95, .   | 1.5  | 10        |
| 69 | Room-temperature electro-optic properties of strained SrTiO <sub>3</sub> films grown on DyScO <sub>3</sub> . Journal of Applied Physics, 2009, 105, .                  | 1.1  | 10        |
| 70 | Probing microwave capacitance of self-assembled quantum dots. Applied Physics Letters, 2009, 95, 032103.   | 1.5  | 0         |
| 71 | Oxide Nanoelectronics on Demand. Science, 2009, 323, 1026-1030.  | 6.0  | 432       |
| 72 | A Ferroelectric Oxide Made Directly on Silicon. Science, 2009, 324, 367-370.   | 6.0  | 347       |

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|----|--|------|-----------|
| 73 | Nanoscale control of an interfacial metal-insulator transition at room temperature. Nature Materials, 2008, 7, 298-302.  | 13.3 | 525       |
| 74 | Gigahertz optical spin transceiver. Optics Express, 2007, 15, 11756.   | 1.7  | 2         |
| 75 | Flying spin qubits: A method for encoding and transporting qubits within a dimerized Heisenberg spin- $\frac{1}{2}$ chain. Physical Review B, 2007, 76, .  | 1.1  | 25        |
| 76 | GHz Apertureless Near-Field Scanning Optical Microscopy of Ferroelectric Nanodomain Dynamics. Nano Letters, 2006, 6, 341-344.  | 4.5  | 12        |
| 77 | c-axis oriented epitaxial BaTiO <sub>3</sub> films on (001) Si. Journal of Applied Physics, 2006, 100, 024108.   | 1.1  | 106       |
| 78 | Localized Deposition of Coronene Molecules on Si(001)-2 $\times$ 1 Using a Scanning Tunneling Microscope Tip Source. Nano Letters, 2006, 6, 138-143.   | 4.5  | 13        |
| 79 | Formation of carbon-induced dimer vacancy defects on Si(001)-2 $\times$ 1 by thermal decomposition of organic molecules-lack of dependence on the molecules' structure. Surface Science, 2006, 600, 366-369. | 0.8  | 5         |
| 80 | Direct measurement of the direction of interface motion in the oxidation of metals and covalent solids-Al(111) and Si(100) oxidation with O <sub>2</sub> at 300 K. Thin Solid Films, 2006, 496, 426-430.     | 0.8  | 11        |
| 81 | Group IV solid state proposals for quantum computation. Journal of Physics Condensed Matter, 2006, 18, S745-S766.  | 0.7  | 14        |
| 82 | The chemisorption of coronene on Si(001)-2 $\times$ 1. Journal of Chemical Physics, 2006, 124, 054701.   | 1.2  | 19        |
| 83 | All-Electrical Control of Single Ion Spins in a Semiconductor. Physical Review Letters, 2006, 97, 106803.  | 2.9  | 47        |
| 84 | Phase transitions and domain structures in strained pseudocubic (100)SrTiO <sub>3</sub> thin films. Physical Review B, 2006, 73, .   | 1.1  | 160       |
| 85 | Localized microwave resonances in strained SrTiO <sub>3</sub> thin films. Applied Physics Letters, 2006, 88, 042902.   | 1.5  | 14        |
| 86 | Three-dimensional polarization imaging of (Ba,Sr)TiO <sub>3</sub> :MgO composites. Applied Physics Letters, 2005, 86, 042903.  | 1.5  | 27        |
| 87 | 320-channel dual phase lock-in optical spectrometer. Review of Scientific Instruments, 2005, 76, 013103.   | 0.6  | 4         |
| 88 | Patterning of sub-10-nm Ge islands on Si(100) by directed self-assembly. Applied Physics Letters, 2005, 87, 171902.  | 1.5  | 26        |
| 89 | Development and performance of the nanoworkbench: A four tip STM for conductivity measurements down to submicrometer scales. Review of Scientific Instruments, 2005, 76, 045107.                             | 0.6  | 42        |
| 90 | Quantum-dot cluster-state computing with encoded qubits. Physical Review A, 2005, 72, .  | 1.0  | 52        |

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|-----|--|------|-----------|
| 91  | Variable-temperature scanning optical and force microscope. Review of Scientific Instruments, 2004, 75, 2971-2975.   | 0.6  | 5         |
| 92  | Room-temperature ferroelectricity in strained SrTiO <sub>3</sub> . Nature, 2004, 430, 758-761.   | 13.7 | 1,857     |
| 93  | (Ba, Sr)TiO <sub>3</sub> thin films grown by pulsed laser deposition with low dielectric loss at microwave frequencies. Applied Physics A: Materials Science and Processing, 2004, 79, 99-101.   | 1.1  | 15        |
| 94  | Electron-beam-induced deposition of carbon films on Si(100) using chemisorbed ethylene as a precursor molecule. Surface Science, 2004, 571, 128-138.   | 0.8  | 31        |
| 95  | Formation and thermal stability of sub-10-nm carbon templates on Si(100). Applied Physics Letters, 2004, 85, 2352-2354.  | 1.5  | 35        |
| 96  | Quantum Computing with Spin Cluster Qubits. Physical Review Letters, 2003, 90, 047901.   | 2.9  | 221       |
| 97  | Quantum computing with antiferromagnetic spin clusters. Physical Review B, 2003, 68, .   | 1.1  | 153       |
| 98  | Gigahertz Electron Spin Manipulation Using Voltage-Controlled g-Tensor Modulation. Science, 2003, 299, 1201-1204.  | 6.0  | 254       |
| 99  | Imaging, Manipulating, and Analyzing with Nanometer Precision: Application of the Nanoworkbench. Materials Research Society Symposia Proceedings, 2003, 803, 36.   | 0.1  | 0         |
| 100 | Study of the Ferroelectric Domain Structure and Phase Transitions by Confocal Scanning Optical Microscopy. Ferroelectrics, 2003, 292, 161-169.   | 0.3  | 10        |
| 101 | Lattice-Scale Domain Wall Dynamics in Ferroelectrics. Physical Review Letters, 2003, 91, 217601.   | 2.9  | 17        |
| 102 | Epitaxial growth and magnetic properties of EuO on (001) Si by molecular-beam epitaxy. Applied Physics Letters, 2003, 83, 975-977.   | 1.5  | 76        |
| 103 | Local Ferroelectricity in SrTiO <sub>3</sub> Thin Films. Physical Review Letters, 2002, 89, 147601.  | 2.9  | 55        |
| 104 | Low-noise variable-temperature preamplifier for piezoelectric tuning fork force sensors. Review of Scientific Instruments, 2002, 73, 486-487.  | 0.6  | 7         |
| 105 | Oxide-Semiconductor Materials for Quantum Computation. Physica Status Solidi (B): Basic Research, 2002, 233, 467-471.  | 0.7  | 7         |
| 106 | Universal Quantum Computation with Spin-1/2 Pairs and Heisenberg Exchange. Physical Review Letters, 2002, 89, 147902.  | 2.9  | 335       |
| 107 | Spintronics and Quantum Computing with Quantum Dots. , 2001, , 293-306.  |      | 1         |
| 108 | Field-induced growth of a quantum dot from Ge[ <sub>2</sub> ]H[ <sub>6</sub> ] precursor gas using the scanning tunneling microscope. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 567. | 1.6  | 0         |

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|-----|--|-----|-----------|
| 109 | Nanopolar reorientation in ferroelectric thin films. <i>Applied Physics Letters</i> , 2001, 79, 2058-2060.   | 1.5 | 25        |
| 110 | Quantum-information processing with ferroelectrically coupled quantum dots. <i>Physical Review A</i> , 2001, 64, .   | 1.0 | 91        |
| 111 | Morphological and optical characterization of GaN prepared by pulsed laser deposition. <i>Surface and Coatings Technology</i> , 2000, 124, 272-277.  | 2.2 | 9         |
| 112 | Visualization of 180° domain structures in uniaxial ferroelectrics using confocal scanning optical microscopy. <i>Journal of Applied Physics</i> , 2000, 87, 1932-1936.  | 1.1 | 23        |
| 113 | Mesoscopic Microwave Dispersion in Ferroelectric Thin Films. <i>Physical Review Letters</i> , 2000, 85, 1998-2001.   | 2.9 | 36        |
| 114 | Confocal microscopy of electro-optic materials: effect of aberrations on the axial response in ac mode. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2000, 17, 1214. | 0.8 | 3         |
| 115 | Ferroelectric polarization imaging using apertureless near-field scanning optical microscopy. <i>Journal of Chemical Physics</i> , 2000, 112, 7848-7855.   | 1.2 | 19        |
| 116 | Direct observation of local ferroelectric phase transitions in Ba <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> thin films. <i>Applied Physics Letters</i> , 2000, 77, 2048-2050.                                | 1.5 | 29        |
| 117 | GHz polarization dynamics in ferroelectric thin films. <i>Integrated Ferroelectrics</i> , 2000, 28, 227-236.   | 0.3 | 1         |
| 118 | High-resolution scanning optical microscopy of ferroelectric thin films. <i>Ferroelectrics</i> , 1999, 222, 181-188.   | 0.3 | 1         |
| 119 | New optical probe of GHz polarization dynamics in ferroelectric thin films. <i>Review of Scientific Instruments</i> , 1999, 70, 3684-3687.   | 0.6 | 16        |
| 120 | Local Optical Probes of Microwave Dielectric Dispersion in Ferroelectric Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1999, 603, 277.  | 0.1 | 0         |
| 121 | Nanometer-scale imaging of domains in ferroelectric thin films using apertureless near-field scanning optical microscopy. <i>Applied Physics Letters</i> , 1998, 73, 3229-3231.                                    | 1.5 | 43        |
| 122 | Structure/property relationships in ferroelectric thin films for frequency agile microwave electronics. <i>Integrated Ferroelectrics</i> , 1998, 22, 279-289.  | 0.3 | 63        |
| 123 | Spatiotemporal behavior in a $\mu$ 4 model of lattice dynamics. <i>Physical Review E</i> , 1997, 56, 6082-6089.  | 0.8 | 0         |
| 124 | High-Resolution Optical Microscopy Of Ba <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> Films. <i>Materials Research Society Symposia Proceedings</i> , 1997, 493, 69.  | 0.1 | 0         |
| 125 | Confocal scanning optical microscopy of Ba <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> thin films. <i>Applied Physics Letters</i> , 1997, 71, 3353-3355.   | 1.5 | 62        |
| 126 | Near-field optical spectroscopy of localized excitons in strained CdSe quantum dots. <i>Physical Review B</i> , 1996, 54, R17312-R17315.   | 1.1 | 172       |



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|-----|--|-----|-----------|
| 127 | Femtosecond near-field spin microscopy in digital magnetic heterostructures (invited). Journal of Applied Physics, 1996, 79, 6095.                             | 1.1 | 34        |
| 128 | Femtosecond synchronization of two passively mode-locked Ti:sapphire lasers. Review of Scientific Instruments, 1996, 67, 2068-2071.                            | 0.6 | 36        |
| 129 | Spatiotemporal Near-Field Spin Microscopy in Patterned Magnetic Heterostructures. Physical Review Letters, 1996, 76, 1948-1951.                                | 2.9 | 97        |
| 130 | Growth Dynamics and Exciton Localization in Strained CdSe Quantum Structures. Materials Research Society Symposia Proceedings, 1995, 417, 169.                 | 0.1 | 4         |
| 131 | Enhanced Spin Interactions in Digital Magnetic Heterostructures. Physical Review Letters, 1995, 75, 505-508.   | 2.9 | 116       |
| 132 | Three-dimensional wavefront imaging by near-field scanning optical microscopy. Review of Scientific Instruments, 1995, 66, 3385-3387.                          | 0.6 | 8         |
| 133 | Mode-locking hysteresis in the globally coupled model of charge-density waves. Physical Review B, 1994, 50, 11227-11230.                                       | 1.1 | 8         |
| 134 | Impulse response of switching NbSe <sub>3</sub> . Solid State Communications, 1994, 89, 175-179.   | 0.9 | 1         |
| 135 | Time-domain study of low-dimensional chaos in the switching charge-density-wave conductor NbSe <sub>3</sub> . Physical Review Letters, 1993, 70, 2597-2600.    | 2.9 | 11        |
| 136 | Impulse response of the switching charge-density-wave conductor NbSe <sub>3</sub> . Physical Review B, 1993, 48, 12223-12234.                                  | 1.1 | 2         |
| 137 | Low-dimensional chaos and high-dimensional behavior in the switching charge-density-wave conductor NbSe <sub>3</sub> . Physical Review B, 1993, 48, 7857-7865. | 1.1 | 3         |
| 138 | Unified model of switching and nonswitching charge-density-wave dynamics. Physical Review Letters, 1992, 68, 2968-2971.  | 2.9 | 35        |
| 139 | Conduction delays in switching NbSe <sub>3</sub> : Sensitive dependence on the initial configuration. Physical Review B, 1991, 43, 8391-8394.                  | 1.1 | 15        |
| 140 | Poincaré sections of charge-density-wave dynamics: Mode locking. Physical Review Letters, 1991, 67, 2846-2849.   | 2.9 | 11        |
| 141 | Search for a Bhabha-scattering resonance near 1.8 MeV/c <sup>2</sup> . Physical Review D, 1987, 36, 707-712.   | 1.6 | 19        |
| 142 | Improving Students' Understanding of Lock-In Amplifiers. , 0, , .  |     | 3         |