

# Vincenzo Fiorentini

## List of Publications by Year in Descending Order

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

144  
papers

10,155  
citations

45  
h-index

99  
g-index

152  
ext. papers

10,964  
ext. citations

3.6  
avg, IF

6.12  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 144 | Efficient thermoelectricity in Sr <sub>2</sub> Nb <sub>2</sub> O <sub>7</sub> with energy-dependent relaxation times. <i>Physical Review Materials</i> , <b>2020</b> , 4,                                 | 3.2  | 5         |
| 143 | A three-order-parameter bistable magnetoelectric multiferroic metal. <i>Nature Communications</i> , <b>2020</b> , 11, 4922  | 17.4 | 4         |
| 142 | Influence of thermal conductivity and of non-constant relaxation time on thermoelectricity in Mg <sub>3</sub> Sb <sub>2</sub> . <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1226, 012010 | 0.3  | 2         |
| 141 | The electronic structure of $\bar{E}$ Ga <sub>2</sub> O <sub>3</sub> . <i>APL Materials</i> , <b>2019</b> , 7, 022522   | 5.7  | 33        |
| 140 | Singling out the effect of quenched disorder in the phase diagram of cuprates. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 184002  | 1.8  | 1         |
| 139 | High thermoelectric figure of merit and thermopower in layered perovskite oxides. <i>Physical Review Materials</i> , <b>2019</b> , 3,   | 3.2  | 7         |
| 138 | Theory of thermoelectricity in MgSb with an energy- and temperature-dependent relaxation time. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 065702                                      | 1.8  | 8         |
| 137 | Meta-screening and permanence of polar distortion in metallized ferroelectrics. <i>Physical Review B</i> , <b>2018</b> , 97,  | 3.3  | 24        |
| 136 | Ab initio thermal conductivity of thermoelectric Mg <sub>3</sub> Sb <sub>2</sub> : Evidence for dominant extrinsic effects. <i>Physical Review B</i> , <b>2018</b> , 98,                                  | 3.3  | 14        |
| 135 | Prediction of a native ferroelectric metal. <i>Nature Communications</i> , <b>2016</b> , 7, 11211   | 17.4 | 48        |
| 134 | Theoretical and experimental investigation of optical absorption anisotropy in $\bar{E}$ Ga <sub>2</sub> O <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2016</b> , 28, 224005           | 1.8  | 46        |
| 133 | Properties of (Ga <sub>1-x</sub> In <sub>x</sub> ) <sub>2</sub> O <sub>3</sub> over the whole x range. <i>Journal of Physics Condensed Matter</i> , <b>2016</b> , 28, 224001                              | 1.8  | 8         |
| 132 | Phase diagram and polarization of stable phases of (Ga <sub>1-x</sub> In <sub>x</sub> ) <sub>2</sub> O <sub>3</sub> . <i>Applied Physics Express</i> , <b>2016</b> , 9, 041102                            | 2.4  | 81        |
| 131 | Topological multiferroics. <i>Phase Transitions</i> , <b>2015</b> , 88, 953-961   | 1.3  | 4         |
| 130 | Intrinsic origin of two-dimensional electron gas at the (001) surface of SrTiO <sub>3</sub> . <i>Physical Review B</i> , <b>2015</b> , 91,  | 3.3  | 24        |
| 129 | Vibrational stability of graphene under combined shear and axial strains. <i>Physical Review B</i> , <b>2015</b> , 92,  | 3.3  | 1         |
| 128 | Giant oscillating thermopower at oxide interfaces. <i>Nature Communications</i> , <b>2015</b> , 6, 6678   | 17.4 | 52        |

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| 127 | Low In solubility and band offsets in the small-xGa <sub>2</sub> O <sub>3</sub> /(Ga <sub>1-x</sub> In <sub>x</sub> ) <sub>2</sub> O <sub>3</sub> system. <i>Applied Physics Express</i> , <b>2015</b> , 8, 021102 | 2.4 | 18  |
| 126 | Doping-dependent band structure of LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interfaces by soft x-ray polarization-controlled resonant angle-resolved photoemission. <i>Physical Review B</i> , <b>2014</b> , 89,     | 3.3 | 61  |
| 125 | Structure and gap of low-x(Ga <sub>1-x</sub> In <sub>x</sub> ) <sub>2</sub> O <sub>3</sub> alloys. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 566, 012016  | 0.3 | 9   |
| 124 | Multigap absorption in CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> and the prediction capability of ab initio methods. <i>Physical Review B</i> , <b>2014</b> , 90,  | 3.3 | 2   |
| 123 | Impurity-vacancy complexes and ferromagnetism in doped sesquioxides. <i>Physical Review B</i> , <b>2014</b> , 89,  | 3.3 | 7   |
| 122 | Multiferroicity in vanadium-doped La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> : insights from first principles. <i>European Physical Journal B</i> , <b>2013</b> , 86, 1  | 1.2 | 10  |
| 121 | Surface antiferromagnetism and incipient metal-insulator transition in strained manganite films. <i>Physical Review B</i> , <b>2013</b> , 87,  | 3.3 | 8   |
| 120 | Giant electroresistance and tunable magnetoelectricity in a multiferroic junction. <i>Physical Review B</i> , <b>2013</b> , 88,  | 3.3 | 3   |
| 119 | Large band offset as driving force of two-dimensional electron confinement: The case of SrTiO <sub>3</sub> /SrZrO <sub>3</sub> interface. <i>Physical Review B</i> , <b>2013</b> , 88,                             | 3.3 | 22  |
| 118 | Doping-induced dimensional crossover and thermopower burst in Nb-doped SrTiO <sub>3</sub> superlattices. <i>Physical Review B</i> , <b>2013</b> , 88,  | 3.3 | 34  |
| 117 | Multiferroicity in V-doped PbTiO <sub>3</sub> . <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 470, 012013   | 0.3 | 3   |
| 116 | Magnetism and unusual Cu valency in quadruple perovskites. <i>European Physical Journal B</i> , <b>2012</b> , 85, 1  | 1.2 | 9   |
| 115 | Ferromagnetism and orbital order in a topological ferroelectric. <i>Physical Review Letters</i> , <b>2012</b> , 109, 217204  | 2.4 | 19  |
| 114 | Thermopower in oxide heterostructures: The importance of being multiple-band conductors. <i>Physical Review B</i> , <b>2012</b> , 86,  | 3.3 | 43  |
| 113 | Ordering and multiple phase transitions in ultrathin nickelate superlattices. <i>Physical Review B</i> , <b>2012</b> , 86,   | 3.3 | 34  |
| 112 | Exchange interactions and magnetic phases of transition metal oxides: Benchmarking advanced ab initio methods. <i>Physical Review B</i> , <b>2011</b> , 84,  | 3.3 | 53  |
| 111 | Spontaneous 2-dimensional carrier confinement at the n-type SrTiO <sub>3</sub> /LaAlO <sub>3</sub> interface. <i>Physical Review Letters</i> , <b>2011</b> , 106, 166807   | 7.4 | 170 |
| 110 | Bound states of the Fe impurity in wurtzite GaN from hybrid density-functional calculations. <i>Physical Review B</i> , <b>2011</b> , 84,  | 3.3 | 16  |

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|-----|---|-----|----|
| 109 | Variational pseudo-self-interaction-corrected density functional approach to the ab initio description of correlated solids and molecules. <i>Physical Review B</i> , <b>2011</b> , 84,                             | 3-3 | 71 |
| 108 | First-principles calculation of electronic and structural properties of $\text{YBa}_2\text{Cu}_3\text{O}_{6+y}$ . <i>Physical Review B</i> , <b>2010</b> , 82,  | 3-3 | 15 |
| 107 | Reorientable dipolar CuCa antisite and anomalous screening in $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ . <i>Physical Review B</i> , <b>2010</b> , 81,  | 3-3 | 10 |
| 106 | Multiferroicity and orbital ordering in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ from first principles. <i>Physical Review B</i> , <b>2010</b> , 82,  | 3-3 | 13 |
| 105 | Band alignment at $\text{Cu}_2\text{O}/\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ interface: A combined experimental-theoretical determination. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 032115          | 3-4 | 11 |
| 104 | Indium on Cu(100) from first principles: Energetics, complex formation, and diffusion of adsorbates and vacancies on terraces and at steps. <i>Physical Review B</i> , <b>2009</b> , 79,                            | 3-3 | 2  |
| 103 | Dielectric and vibrational properties of bixbyite sesquioxides. <i>Physical Review B</i> , <b>2009</b> , 80,  | 3-3 | 6  |
| 102 | Fermi-surface pockets in $\text{YBa}_2\text{Cu}_3\text{O}_{6.5}$ : Comparison of ab initio techniques. <i>Physical Review B</i> , <b>2009</b> , 79,   | 3-3 | 9  |
| 101 | Modeling of Alternative High-k Dielectrics for Memory Based Applications. <i>ECS Transactions</i> , <b>2009</b> , 25, 131-145   | 1   | 3  |
| 100 | Fermi-surface pockets in magnetic underdoped cuprates from first principles. <i>Europhysics Letters</i> , <b>2009</b> , 88, 67009   | 1.6 | 2  |
| 99  | Magnetic couplings vs. stress and strain in epitaxial $(\text{La}, \text{Sr})\text{MnO}_3$ . <i>European Physical Journal B</i> , <b>2009</b> , 70, 343-346   | 1.2 | 4  |
| 98  | A practical first-principles band-theory approach to the study of correlated materials. <i>European Physical Journal B</i> , <b>2009</b> , 71, 139-183  | 1.2 | 40 |
| 97  | Jahn-Teller stabilization of magnetic and orbital ordering in rocksalt $\text{CuO}$ . <i>Physical Review B</i> , <b>2009</b> , 80,  | 3-3 | 21 |
| 96  | Te-induced modulation of the $\text{MoF}_2/\text{FeO}_2$ interface effective work function. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 113504   | 3-4 | 13 |
| 95  | Chain metallicity and competition between paramagnetism and antiferromagnetism in underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ : A first principles description. <i>Physical Review B</i> , <b>2008</b> , 78, | 3-3 | 12 |
| 94  | Interplay of strain and magnetism in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ from first principles. <i>Physical Review B</i> , <b>2008</b> , 78,   | 3-3 | 33 |
| 93  | Metal-insulator transitions and singlet polarons in one-dimensional $\text{Ca}_{2+x}\text{Y}_2\text{Cu}_5\text{O}_{10}$ . <i>Physical Review B</i> , <b>2008</b> , 77,  | 3-3 | 9  |
| 92  | Dielectric constant boost in amorphous sesquioxides. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 172903  | 3-4 | 14 |

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|----|---|-----|----|
| 91 | Conservation of dielectric constant upon amorphization in perovskite oxides. <i>Physical Review B</i> , <b>2007</b> , 76,   | 3-3 | 10 |
| 90 | Self-interaction-free density-functional band theory for magnetic cuprates. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 1648-1650   | 2-8 | 5  |
| 89 | Cation charge anomalies and high- $\epsilon$ dielectric behavior in DyScO <sub>3</sub> : Ab initio density-functional and self-interaction-corrected calculations. <i>Physical Review B</i> , <b>2007</b> , 75, | 3-3 | 31 |
| 88 | Magnetism of La <sub>0.625</sub> Sr <sub>0.375</sub> MnO <sub>3</sub> under high pressure from first principles. <i>Physical Review B</i> , <b>2007</b> , 76,   | 3-3 | 29 |
| 87 | Magnetic ordering under strain and spin-Peierls dimerization in GeCuO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2007</b> , 98, 196403  | 7-4 | 15 |
| 86 | A Theoretical View on the Dielectric Properties of Crystalline and Amorphous High- $\epsilon$ Materials and Films <b>2007</b> , 269-292   |     | 1  |
| 85 | Electronic Structure of Bulk and Defected CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> . <i>ECS Transactions</i> , <b>2006</b> , 3, 291-297  | 1   | 5  |
| 84 | Double-exchange driven ferromagnetic metal-paramagnetic insulator transition in Mn-doped CuO. <i>Physical Review B</i> , <b>2006</b> , 74,  | 3-3 | 24 |
| 83 | Large fluorine-vacancy clusters in Si and their capture efficiency for self-interstitials. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 092113  | 3-4 | 13 |
| 82 | Comment on "ab initio calculations to model anomalous fluorine behavior". <i>Physical Review Letters</i> , <b>2006</b> , 96, 039601; discussion 039602  | 7-4 | 8  |
| 81 | Dielectric properties and long-wavelength optical modes of the high- $\epsilon$ oxide LaAlO <sub>3</sub> . <i>Physical Review B</i> , <b>2005</b> , 71,   | 3-3 | 61 |
| 80 | Coexistence of ionic and metallic bonding in noble-metal oxides. <i>Physical Review B</i> , <b>2005</b> , 72,   | 3-3 | 61 |
| 79 | Magnetic ordering in CuO from first principles: a cuprate antiferromagnet with fully three-dimensional exchange interactions. <i>Physical Review Letters</i> , <b>2005</b> , 95, 086405                         | 7-4 | 82 |
| 78 | Theoretical electron affinities of PAHs and electronic absorption spectra of their mono-anions. <i>Astronomy and Astrophysics</i> , <b>2005</b> , 432, 585-594  | 5-1 | 50 |
| 77 | Dielectric properties of two phases of crystalline lutetium oxide. <i>Microelectronics Reliability</i> , <b>2005</b> , 45, 831-833  | 1-2 | 15 |
| 76 | Fluorine in Si: Native-defect complexes and the suppression of impurity diffusion. <i>Physical Review B</i> , <b>2005</b> , 72,   | 3-3 | 48 |
| 75 | Influence of point defects injection on the stability of a supersaturated Ga-Si solid solution. <i>Physical Review B</i> , <b>2005</b> , 71,  | 3-3 | 6  |
| 74 | Comparison between experimental and theoretical determination of the local structure of the GaAs <sub>1-x</sub> Ny dilute nitride alloy. <i>Physical Review B</i> , <b>2005</b> , 71,                           | 3-3 | 10 |

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| 73 | Dielectric properties of high-kappa oxides: theory and experiment for Lu <sub>2</sub> O <sub>3</sub> . <i>Physical Review Letters</i> , <b>2005</b> , 94, 027602                                     | 7-4 | 54  |
| 72 | Tunable variation of the electron effective mass and exciton radius in hydrogenated GaAs <sub>1-x</sub> N <sub>x</sub> . <i>Physical Review B</i> , <b>2004</b> , 69,                                | 3-3 | 38  |
| 71 | Complexes, clustering, and native-defect-assisted diffusion of aluminum in silicon. <i>Physical Review B</i> , <b>2004</b> , 70,   | 3-3 | 7   |
| 70 | Lattice constant, effective mass, and gap recovery in hydrogenated GaAs <sub>1-x</sub> N <sub>x</sub> . <i>Physical Review B</i> , <b>2004</b> , 69,   | 3-3 | 8   |
| 69 | Structure, energetics, and extrinsic levels of small self-interstitial clusters in silicon. <i>Physical Review B</i> , <b>2004</b> , 69,   | 3-3 | 42  |
| 68 | Energetics of transient enhanced diffusion of boron in Ge and SiGe. <i>Physical Review B</i> , <b>2004</b> , 69,   | 3-3 | 30  |
| 67 | Structure and stability of rare-earth and transition-metal oxides. <i>Physical Review B</i> , <b>2004</b> , 69,  | 3-3 | 110 |
| 66 | Tuning of the electron effective mass and exciton wavefunction size in GaAs <sub>1-x</sub> N <sub>x</sub> . <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2004</b> , 21, 747-751 | 3   | 1   |
| 65 | Anomalous energetics and defect-assisted diffusion of Ga in silicon. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 4902-4904  | 3-4 | 15  |
| 64 | Vibrational modes of three-membered self-interstitial clusters in silicon. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, 7851-7857  | 1-8 | 7   |
| 63 | Electronics and sensors based on pyroelectric AlGa <sub>N</sub> /Ga <sub>N</sub> heterostructures. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2003</b> , 1878-1907   |     | 56  |
| 62 | Origin of the efficient light emission from inversion domain boundaries in GaN. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 1182-1184   | 3-4 | 26  |
| 61 | Ordered versus disordered growth of copper quantum wires on Mo and W vicinal surfaces. <i>Physical Review B</i> , <b>2003</b> , 67,  | 3-3 | 3   |
| 60 | Nonlinear Behavior of Spontaneous and Piezoelectric Polarization in III <sub>N</sub> Nitride Alloys. <i>Physica Status Solidi A</i> , <b>2002</b> , 190, 65-73                                       |     | 39  |
| 59 | Stability of Ge-related point defects and complexes in Ge-doped SiO <sub>2</sub> . <i>Physical Review B</i> , <b>2002</b> , 66,  | 3-3 | 15  |
| 58 | Theoretical evaluation of zirconia and hafnia as gate oxides for si microelectronics. <i>Physical Review Letters</i> , <b>2002</b> , 89, 266101  | 7-4 | 158 |
| 57 | Evidence for nonlinear macroscopic polarization in III <sub>N</sub> nitride alloy heterostructures. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 1204-1206                                     | 3-4 | 607 |
| 56 | First-principles calculation of the piezoelectric tensor d <sub>31</sub> of III <sub>N</sub> nitrides. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 4145-4147                                  | 3-4 | 107 |

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|----|---|-----|-----|
| 55 | Pyroelectric properties of Al(In)GaN/GaN hetero- and quantum well structures. <i>Journal of Physics Condensed Matter</i> , <b>2002</b> , 14, 3399-3434  | 1.8 | 689 |
| 54 | Multiscale approaches for metal thin film growth. <i>Computational Materials Science</i> , <b>2002</b> , 24, 58-65  | 3.2 | 12  |
| 53 | First-principles prediction of structure, energetics, formation enthalpy, elastic constants, polarization, and piezoelectric constants of AlN, GaN, and InN: Comparison of local and gradient-corrected density-functional theory. <i>Physical Review B</i> , <b>2001</b> , 64, | 3.3 | 366 |
| 52 | Roughening of close-packed singular surfaces. <i>Physical Review B</i> , <b>2001</b> , 63,  | 3.3 | 2   |
| 51 | Nonlinear macroscopic polarization in III-V nitride alloys. <i>Physical Review B</i> , <b>2001</b> , 64,  | 3.3 | 238 |
| 50 | Accurate calculation of polarization-related quantities in semiconductors. <i>Physical Review B</i> , <b>2001</b> , 63,   | 3.3 | 146 |
| 49 | Proof of the thermodynamical stability of the EQ center in SiO <sub>2</sub> . <i>Physical Review Letters</i> , <b>2001</b> , 86, 3064-7.4   | 7.4 | 45  |
| 48 | Stress and reconstruction on (001) transition-metal surfaces. <i>Computational Materials Science</i> , <b>2001</b> , 20, 423-428  | 3.2 | 3   |
| 47 | Polarization fields in nitride nanostructures: 10 points to think about. <i>Applied Surface Science</i> , <b>2000</b> , 166, 23-29  | 6.7 | 63  |
| 46 | Doping screening of polarization fields in nitride heterostructures. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 3950-3952.50  | 5.0 | 50  |
| 45 | Incorporation, diffusion, and electrical activity of Li in GaN. <i>Physical Review B</i> , <b>2000</b> , 61, 12598-12601  | 3.3 | 7   |
| 44 | Band offsets and stability of BeTe/ZnSe (100) heterojunctions. <i>Physical Review B</i> , <b>2000</b> , 62, R16302-R16305   | 3.5 | 14  |
| 43 | Connection between charge transfer and alloying core-level shifts based on density-functional calculations. <i>Physical Review B</i> , <b>2000</b> , 61, 5229-5236  | 3.3 | 26  |
| 42 | Theory and applications of the stress density. <i>Physical Review B</i> , <b>2000</b> , 61, 8433-8442   | 3.3 | 109 |
| 41 | Theoretical evidence for the semi-insulating character of AlN. <i>Journal of Applied Physics</i> , <b>1999</b> , 85, 2001-2003  | 2.0 | 47  |
| 40 | Atomistic modeling of large-scale metal film growth fronts. <i>Physical Review B</i> , <b>1999</b> , 59, R7856-R7859  | 3.3 | 21  |
| 39 | Free-carrier screening of polarization fields in wurtzite GaN/InGaN laser structures. <i>Applied Physics Letters</i> , <b>1999</b> , 74, 2002-2004  | 3.4 | 233 |
| 38 | Quasiharmonic versus exact surface free energies of Al: A systematic study employing a classical interatomic potential. <i>Physical Review B</i> , <b>1999</b> , 60, 5055-5064  | 3.3 | 44  |

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| 37 | Anomalous relaxations and chemical trends at III-V semiconductor nitride nonpolar surfaces. <i>Physical Review B</i> , <b>1999</b> , 59, 8026-8031  | 3-3 | 56  |
| 36 | Faceting and stress of missing-row reconstructed transition-metal (110) surfaces. <i>Physical Review B</i> , <b>1999</b> , 60, 14366-14371  | 3-3 | 15  |
| 35 | Spontaneous versus Piezoelectric Polarization in III-V Nitrides: Conceptual Aspects and Practical Consequences. <i>Physica Status Solidi (B): Basic Research</i> , <b>1999</b> , 216, 391-398 | 1-3 | 241 |
| 34 | Effects of macroscopic polarization in III-V nitride multiple quantum wells. <i>Physical Review B</i> , <b>1999</b> , 60, 8849-8858   | 3-3 | 432 |
| 33 | Ionicity and Relaxation Anomalies at III-V Nitride Surfaces. <i>Physica Status Solidi A</i> , <b>1998</b> , 170, 265-269  |     | 8   |
| 32 | Macroscopic polarization and band offsets at nitride heterojunctions. <i>Physical Review B</i> , <b>1998</b> , 57, R9427-R9430  | 3-3 | 340 |
| 31 | Extracting convergent surface formation energies from slab calculations. <i>Journal of Physics Condensed Matter</i> , <b>1998</b> , 10, 895-895   | 1.8 | 14  |
| 30 | Electronic dielectric constants of insulators calculated by the polarization method. <i>Physical Review B</i> , <b>1998</b> , 58, 15292-15295   | 3-3 | 71  |
| 29 | No In-Plane Reconstruction of Cu(001). <i>Physical Review Letters</i> , <b>1998</b> , 81, 4278-4278   | 7-4 | 8   |
| 28 | Theoretical evidence for efficient p-type doping of GaN using beryllium. <i>Applied Physics Letters</i> , <b>1997</b> , 70, 2990-2992   | 3-4 | 95  |
| 27 | Polarization-Based Calculation of the Dielectric Tensor of Polar Crystals. <i>Physical Review Letters</i> , <b>1997</b> , 79, 3958-3961   | 7-4 | 210 |
| 26 | Reconstructions of Ir(110) and (100): an ab initio study. <i>Surface Science</i> , <b>1997</b> , 377-379, 112-116   | 1.8 | 45  |
| 25 | Ab initio study of oxygen vacancies in Quartz. <i>Journal of Non-Crystalline Solids</i> , <b>1997</b> , 221, 89-96  | 3-9 | 30  |
| 24 | Spontaneous polarization and piezoelectric constants of III-V nitrides. <i>Physical Review B</i> , <b>1997</b> , 56, R10024-R10027  | 3-3 | 379 |
| 23 | Extracting convergent surface energies from slab calculations. <i>Journal of Physics Condensed Matter</i> , <b>1996</b> , 8, 6525-6529  | 1.8 | 259 |
| 22 | Offsets and Polarization at Strained AlN/GaN Polar Interfaces. <i>Materials Research Society Symposia Proceedings</i> , <b>1996</b> , 449, 923  |     | 7   |
| 21 | Inhibited Al Diffusion and Growth Roughening of Ga-Coated Al(100). <i>Physical Review Letters</i> , <b>1996</b> , 77, 695-698   | 7-4 | 8   |
| 20 | Homoepitaxial Growth of Metals and the Role of Surfactants <b>1996</b> , 219-231  |     |     |



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|----|---|-----|-----|
| 19 | Effective-mass single and double acceptor spectra in GaAs. <i>Physical Review B</i> , <b>1995</b> , 51, 10161-10163   | 3.3 | 10  |
| 18 | Dielectric scaling of the self-energy scissor operator in semiconductors and insulators. <i>Physical Review B</i> , <b>1995</b> , 51, 17196-17198   | 3.3 | 119 |
| 17 | Local norm-conserving pseudo-Hamiltonians. <i>Physical Review A</i> , <b>1995</b> , 52, 236-257   | 2.6 | 47  |
| 16 | Towards an understanding of surfactant action in the epitaxial growth of metals: The case of Sb on Ag (111). <i>Applied Physics A: Materials Science and Processing</i> , <b>1995</b> , 60, 399-402               | 2.6 | 19  |
| 15 | Structure and Quasiparticle Energies of Cubic, Wurtzite and Hexagonal BN. <i>Materials Research Society Symposia Proceedings</i> , <b>1995</b> , 395, 429   |     | 5   |
| 14 | Simulated Thermal Effects on Structural and Electronic Properties of GaN. <i>Materials Research Society Symposia Proceedings</i> , <b>1995</b> , 395, 435   |     |     |
| 13 | Hydrogen, Acceptors, and H-Acceptor Complexes in GaN. <i>Materials Research Society Symposia Proceedings</i> , <b>1995</b> , 395, 503   |     | 20  |
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