# Chih-Kang Shih

## List of Publications by Year in Descending Order



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| 135 papers | 8,600 citations | 46 h-index | 91 g-index |
| 145 ext. papers | 9,605 ext. citations | 9 avg, IF | 5.84 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 135 | Monolayer 1T-NbSe as a 2D-correlated magnetic insulator. *Science Advances*, **2021**, 7, eabi6339 | 14.3 | 6 |
| 134 | PTCDA Molecular Monolayer on Pb Thin Films: An Unusual Electron Kondo System and Its Interplay with a Quantum-Confined Superconductor. *Physical Review Letters*, **2021**, 127, 186805 | 7.4 | 2 |
| 133 | Phonon renormalization in reconstructed MoS moir superlattices. *Nature Materials*, **2021**, 20, 1100-1105 | 27 | 31 |
| 132 | Tuning of Two-Dimensional Plasmon-Exciton Coupling in Full Parameter Space: A Polaritonic Non-Hermitian System. *Nano Letters*, **2021**, 21, 2596-2602 | 11.5 | 4 |
| 131 | Momentum-Resolved Electronic Structures of a Monolayer-MoS2/Multilayer-MoSe2 Heterostructure. *Journal of Physical Chemistry C*, **2021**, 125, 16591-16597 | 3.8 | 1 |
| 130 | Engineering Giant Rabi Splitting via Strong Coupling between Localized and Propagating Plasmon Modes on Metal Surface Lattices: Observation of Scaling Rule. *Nano Letters*, **2021**, 21, 605-611 | 11.5 | 10 |
| 129 | Epitaxial Growth of Two-Dimensional Insulator Monolayer Honeycomb BeO. *ACS Nano*, **2021**, 15, 2497-2505 | 16.7 | 13 |
| 128 | Time-resolved ARPES Determination of a Quasi-Particle Band Gap and Hot Electron Dynamics in Monolayer MoS. *Nano Letters*, **2021**, 21, 7363-7370 | 11.5 | 5 |
| 127 | Influence of Nanosize Hole Defects and their Geometric Arrangements on the Superfluid Density in Atomically Thin Single Crystals of Indium Superconductor. *Physical Review Letters*, **2021**, 127, 127003 | 7.4 | 1 |
| 126 | Unveiling defect-mediated carrier dynamics in monolayer semiconductors by spatiotemporal microwave imaging. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 13908-13913 | 11.5 | 16 |
| 125 | Optical dielectric constants of single crystalline silver films in the long wavelength range. *Optical Materials Express*, **2020**, 10, 693 | 2.6 | 7 |
| 124 | Epitaxial aluminum plasmonics covering full visible spectrum. *Nanophotonics*, **2020**, 10, 627-637 | 6.3 | 6 |
| 123 | Critical role of parallel momentum in quantum well state couplings in multi-stacked nanofilms: An angle resolved photoemission study. *AIP Advances*, **2020**, 10, 125211 | 1.5 | |
| 122 | Moir potential impedes interlayer exciton diffusion in van der Waals heterostructures. *Science Advances*, **2020**, 6, | 14.3 | 29 |
| 121 | Behavior of superconductivity in a Pb/Ag heterostructure. *Physical Review B*, **2019**, 100, | 3.3 | 3 |
| 120 | Engineering Point-Defect States in Monolayer WSe. *ACS Nano*, **2019**, 13, 1595-1602 | 16.7 | 28 |
| 119 | Dielectric impact on exciton binding energy and quasiparticle bandgap in monolayer WS 2 and WSe 2. *2D Materials*, **2019**, 6, 025028 | 5.9 | 25 |

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| 118 | Separation of valley excitons in a MoS2 monolayer using a subwavelength asymmetric groove array. *Nature Photonics*, **2019**, 13, 180-184 | 33.9 | 86 |
| 117 | Terahertz Faraday and Kerr rotation spectroscopy of Bi1−xSbx films in high magnetic fields up to 30 tesla. *Physical Review B*, **2019**, 100, | 3.3 | 8 |
| 116 | Tailoring excitonic states of van der Waals bilayers through stacking configuration, band alignment, and valley spin. *Science Advances*, **2019**, 5, eaax7407 | 14.3 | 31 |
| 115 | Epitaxial Growth of Optically Thick, Single Crystalline Silver Films for Plasmonics. *ACS Applied Materials & Interfaces*, **2019**, 11, 3189-3195 | 9.5 | 12 |
| 114 | Microscopic investigation of Bi2-xSbxTe3-ySey systems: On the origin of a robust intrinsic topological insulator. *Journal of Physics and Chemistry of Solids*, **2019**, 128, 251-257 | 3.9 | 9 |
| 113 | In situ/non-contact superfluid density measurement apparatus. *Review of Scientific Instruments*, **2018**, 89, 043901 | 1.7 | 6 |
| 112 | Epitaxial Aluminum-on-Sapphire Films as a Plasmonic Material Platform for Ultraviolet and Full Visible Spectral Regions. *ACS Photonics*, **2018**, 5, 2624-2630 | 6.3 | 34 |
| 111 | Strain distributions and their influence on electronic structures of WSe-MoS laterally strained heterojunctions. *Nature Nanotechnology*, **2018**, 13, 152-158 | 28.7 | 135 |
| 110 | Photophysics of Thermally-Assisted Photobleaching in "Giant" Quantum Dots Revealed in Single Nanocrystals. *ACS Nano*, **2018**, 12, 4206-4217 | 16.7 | 18 |
| 109 | Quantum upside-down cake. *Nature*, **2018**, 555, 36-37 | 50.4 | |
| 108 | Tuning Band Gap and Work Function Modulations in Monolayer hBN/Cu(111) Heterostructures with Moiré Patterns. *ACS Nano*, **2018**, 12, 9355-9362 | 16.7 | 19 |
| 107 | Atomic-scale tailoring of spin susceptibility via non-magnetic spin-orbit impurities. *Communications Physics*, **2018**, 1, | 5.4 | 1 |
| 106 | Geometric quenching of orbital pair breaking in a single crystalline superconducting nanomesh network. *Nature Communications*, **2018**, 9, 5431 | 17.4 | 7 |
| 105 | Interlayer couplings, Moiré patterns, and 2D electronic superlattices in MoS/WSe hetero-bilayers. *Science Advances*, **2017**, 3, e1601459 | 14.3 | 277 |
| 104 | Enhanced Photoluminescence of Monolayer WS2 on Ag Films and Nanowire–WS2 Film Composites. *ACS Photonics*, **2017**, 4, 1421-1430 | 6.3 | 32 |
| 103 | Fabrication of MoSe nanoribbons via an unusual morphological phase transition. *Nature Communications*, **2017**, 8, 15135 | 17.4 | 53 |
| 102 | Low-Threshold Plasmonic Lasers on a Single-Crystalline Epitaxial Silver Platform at Telecom Wavelength. *ACS Photonics*, **2017**, 4, 1431-1439 | 6.3 | 22 |
| 101 | Giant Enhancement of Defect-Bound Exciton Luminescence and Suppression of Band-Edge Luminescence in Monolayer WSe-Ag Plasmonic Hybrid Structures. *Nano Letters*, **2017**, 17, 4317-4322 | 11.5 | 21 |

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|---|---|---|---|
| 100 | Zeeman-limited superconductivity in crystalline Al films. *Physical Review B*, **2017**, 95, | 3.3 | 9 |
| 99 | Contrasting Structural Reconstructions, Electronic Properties, and Magnetic Orderings along Different Edges of Zigzag Transition Metal Dichalcogenide Nanoribbons. *Nano Letters*, **2017**, 17, 1097-1101 | 11.5 | 60 |
| 98 | Enhancement of Plasmonic Performance in Epitaxial Silver at Low Temperature. *Scientific Reports*, **2017**, 7, 8917 | 4.9 | 6 |
| 97 | Tailoring Semiconductor Lateral Multijunctions for Giant Photoconductivity Enhancement. *Advanced Materials*, **2017**, 29, 1703680 | 24 | 17 |
| 96 | Cascaded exciton energy transfer in a monolayer semiconductor lateral heterostructure assisted by surface plasmon polariton. *Nature Communications*, **2017**, 8, 35 | 17.4 | 22 |
| 95 | Visualizing band offsets and edge states in bilayer-monolayer transition metal dichalcogenides lateral heterojunction. *Nature Communications*, **2016**, 6, 10349 | 17.4 | 99 |
| 94 | Semiconductor plasmonic nanolasers: current status and perspectives. *Reports on Progress in Physics*, **2016**, 79, 086501 | 14.4 | 61 |
| 93 | Interrogating the superconductor Ca(PtAs)(FePtAs) Layer-by-layer. *Scientific Reports*, **2016**, 6, 35365 | 4.9 | 6 |
| 92 | Bandgap renormalization and work function tuning in MoSe/hBN/Ru(0001) heterostructures. *Nature Communications*, **2016**, 7, 13843 | 17.4 | 51 |
| 91 | Tuning the Proximity Effect through Interface Engineering in a Pb/Graphene/Pt Trilayer System. *ACS Nano*, **2016**, 10, 4520-4 | 16.7 | 2 |
| 90 | Ultrathin two-dimensional superconductivity with strong spin-orbit coupling. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 10513-7 | 11.5 | 31 |
| 89 | Epitaxial Growth of Atomically Smooth Aluminum on Silicon and Its Intrinsic Optical Properties. *ACS Nano*, **2016**, 10, 9852-9860 | 16.7 | 47 |
| 88 | Determination of band alignment in the single-layer MoS2/WSe2 heterojunction. *Nature Communications*, **2015**, 6, 7666 | 17.4 | 421 |
| 87 | Microscopic Real-Space Resistance Mapping Across CdTe Solar Cell Junctions by Scanning Spreading Resistance Microscopy. *IEEE Journal of Photovoltaics*, **2015**, 5, 395-400 | 3.7 | 7 |
| 86 | Tailoring Plasmonic Enhanced Upconversion in Single NaYF4:Yb(3+)/Er(3+) Nanocrystals. *Scientific Reports*, **2015**, 5, 10196 | 4.9 | 34 |
| 85 | Probing Critical Point Energies of Transition Metal Dichalcogenides: Surprising Indirect Gap of Single Layer WSe2. *Nano Letters*, **2015**, 15, 6494-500 | 11.5 | 137 |
| 84 | Influence of quantum well states on the formation of AuPb alloy in ultra-thin Pb films. *Surface Science*, **2015**, 632, 174-179 | 1.8 | 0 |
| 83 | Compact low temperature scanning tunneling microscope with in-situ sample preparation capability. *Review of Scientific Instruments*, **2015**, 86, 093707 | 1.7 | 18 |

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| 82 | Observation of topological surface state quantum Hall effect in an intrinsic three-dimensional topological insulator. *Nature Physics*, **2014**, 10, 956-963 | 16.2 | 271 |
| 81 | Role of thermal processes in dewetting of epitaxial Ag(111) film on Si(111). *Surface Science*, **2014**, 630, 168-173 | 1.8 | 12 |
| 80 | All-color plasmonic nanolasers with ultralow thresholds: autotuning mechanism for single-mode lasing. *Nano Letters*, **2014**, 14, 4381-8 | 11.5 | 168 |
| 79 | Intrinsic optical properties and enhanced plasmonic response of epitaxial silver. *Advanced Materials*, **2014**, 26, 6106-10 | 24 | 101 |
| 78 | Direct imaging of band profile in single layer MoS2 on graphite: quasiparticle energy gap, metallic edge states, and edge band bending. *Nano Letters*, **2014**, 14, 2443-7 | 11.5 | 342 |
| 77 | Giant up-conversion efficiency of InGaAs quantum dots in a planar microcavity. *Scientific Reports*, **2014**, 4, 3953 | 4.9 | 4 |
| 76 | Observation of Coulomb repulsion between Cu intercalants in CuxBi2Se3. *Physical Review B*, **2014**, 89, | 3.3 | 8 |
| 75 | Mapping the 3D surface potential in Bi2Se3. *Nature Communications*, **2013**, 4, 2277 | 17.4 | 43 |
| 74 | Site-controlled formation of InGaAs quantum nanostructures-Tailoring the dimensionality and the quantum confinement. *Nano Research*, **2013**, 6, 235-242 | 10 | 12 |
| 73 | Anomalous phase relations of quantum size effects in ultrathin Pb films on Si(111). *Physical Review B*, **2013**, 87, | 3.3 | 10 |
| 72 | Correlating electronic transport to atomic structures in self-assembled quantum wires. *Nano Letters*, **2012**, 12, 938-42 | 11.5 | 26 |
| 71 | Contrast between surface plasmon polariton-mediated extraordinary optical transmission behavior in epitaxial and polycrystalline Ag films in the mid- and far-infrared regimes. *Nano Letters*, **2012**, 12, 6187-91 | 11.5 | 9 |
| 70 | Atomic scale control of catalytic process in oxidation of Pb thin films. *Surface Science*, **2012**, 606, 450-455 | 1.8 | |
| 69 | Plasmonic nanolaser using epitaxially grown silver film. *Science*, **2012**, 337, 450-3 | 33.3 | 571 |
| 68 | Visualization of geometric influences on proximity effects in heterogeneous superconductor thin films. *Nature Physics*, **2012**, 8, 464-469 | 16.2 | 60 |
| 67 | Strain relaxation in single crystal SrTiO3 grown on Si (001) by molecular beam epitaxy. *Journal of Applied Physics*, **2012**, 111, 064112 | 2.5 | 46 |
| 66 | Polarization-resolved resonant fluorescence of a single semiconductor quantum dot. *Applied Physics Letters*, **2012**, 101, 251118 | 3.4 | |
| 65 | Universal quenching of the superconducting state of two-dimensional nanosize Pb-island structures. *Physical Review B*, **2011**, 84, | 3.3 | 18 |

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| 64 | Quantum size effects on the work function of metallic thin film nanostructures. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 12761-5 | 11.5 | 54 |
| 63 | Visualizing quantum well state perturbations of metallic thin films near stacking fault defects. *Physical Review B*, **2010**, 81, | 3.3 | 5 |
| 62 | Adsorbate-induced restructuring of Pb mesas grown on vicinal Si(111) in the quantum regime. *Physical Review B*, **2009**, 80, | 3.3 | 8 |
| 61 | Resonantly driven coherent oscillations in a solid-state quantum emitter. *Nature Physics*, **2009**, 5, 203-207 | 16.2 | 249 |
| 60 | Superconductivity at the two-dimensional limit. *Science*, **2009**, 324, 1314-7 | 33.3 | 248 |
| 59 | Propagating surface plasmon induced photon emission from quantum dots. *Nano Letters*, **2009**, 9, 4168-71 | 11.5 | 158 |
| 58 | Energy transfer within ultralow density twin InAs quantum dots grown by droplet epitaxy. *ACS Nano*, **2008**, 2, 2219-24 | 16.7 | 47 |
| 57 | Structural characterization and temperature-dependent photoluminescence of linear CdTe/CdSe/CdTe heterostructure nanorods. *ChemPhysChem*, **2008**, 9, 1158-63 | 3.2 | 35 |
| 56 | VLS growth of Si nanocones using Ga and Al catalysts. *Journal of Crystal Growth*, **2008**, 310, 4407-4411 | 1.6 | 21 |
| 55 | Pattern formation of nanoflowers during the vapor□quid□olid growth of silicon nanowires. *Physica B: Condensed Matter*, **2008**, 403, 3514-3518 | 2.8 | 2 |
| 54 | Single dot spectroscopy of site-controlled InAs quantum dots nucleated on GaAs nanopyramids. *Applied Physics Letters*, **2007**, 91, 133104 | 3.4 | 25 |
| 53 | Whispering gallery mode microresonators as polarization converters. *Optics Letters*, **2007**, 32, 2224-6 | 3 | 21 |
| 52 | Polarization conversion in a silica microsphere. *Optics Express*, **2007**, 15, 7000-5 | 3.3 | 26 |
| 51 | Resonance fluorescence from a coherently driven semiconductor quantum dot in a cavity. *Physical Review Letters*, **2007**, 99, 187402 | 7.4 | 251 |
| 50 | Time-resolved photoluminescence spectroscopy of individual Te impurity centers in ZnSe. *Physical Review B*, **2006**, 73, | 3.3 | 46 |
| 49 | Persistent superconductivity in ultrathin Pb films: a scanning tunneling spectroscopy study. *Physical Review Letters*, **2006**, 96, 027005 | 7.4 | 232 |
| 48 | Direct spectroscopic evidence for the formation of one-dimensional wetting wires during the growth of InGaAs/GaAs quantum dot chains. *Nano Letters*, **2006**, 6, 1847-51 | 11.5 | 30 |
| 47 | Quantum growth of magnetic nanoplatelets of Co on Si with high blocking temperature. *Nano Letters*, **2005**, 5, 87-90 | 11.5 | 40 |

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| 46 | Cell motility and local viscoelasticity of fibroblasts. *Biophysical Journal*, **2005**, 89, 4330-42 | 2.9 | 109 |
| 45 | Coherent control of a V-type three-level system in a single quantum dot. *Physical Review Letters*, **2005**, 95, 187404 | 7.4 | 55 |
| 44 | Decoherence processes during optical manipulation of excitonic qubits in semiconductor quantum dots. *Physical Review B*, **2005**, 72, | 3.3 | 82 |
| 43 | Three-dimensional modeling of nanoscale Seebeck measurements by scanning thermoelectric microscopy. *Applied Physics Letters*, **2005**, 87, 053115 | 3.4 | 20 |
| 42 | Determination of anisotropic dipole moments in self-assembled quantum dots using Rabi oscillations. *Applied Physics Letters*, **2004**, 84, 981-983 | 3.4 | 55 |
| 41 | Spatial correlation-anticorrelation in strain-driven self-assembled InGaAs quantum dots. *Applied Physics Letters*, **2004**, 85, 1356-1358 | 3.4 | 39 |
| 40 | Photoluminescence properties of single CdS nanorods. *Journal of Applied Physics*, **2004**, 95, 1056-1063 | 2.5 | 24 |
| 39 | Profiling the thermoelectric power of semiconductor junctions with nanometer resolution. *Science*, **2004**, 303, 816-8 | 33.3 | 143 |
| 38 | Electrical characterization of individual carbon nanotubes grown in nanoporous anodic alumina templates. *Applied Physics Letters*, **2004**, 84, 1177-1179 | 3.4 | 61 |
| 37 | Quantitative analysis of the viscoelastic properties of thin regions of fibroblasts using atomic force microscopy. *Biophysical Journal*, **2004**, 86, 1777-93 | 2.9 | 368 |
| 36 | Quantitative determination of the metastability of flat Ag overlayers on GaAs(110). *Physical Review Letters*, **2002**, 88, 016102 | 7.4 | 37 |
| 35 | Interplay of Rabi oscillations and quantum interference in semiconductor quantum dots. *Physical Review Letters*, **2002**, 88, 087401 | 7.4 | 246 |
| 34 | Carrier relaxation and quantum decoherence of excited states in self-assembled quantum dots. *Physical Review B*, **2001**, 63, | 3.3 | 67 |
| 33 | Cross-sectional nanophotoluminescence studies of Stark effects in self-assembled quantum dots. *Applied Physics Letters*, **2000**, 76, 700-702 | 3.4 | 19 |
| 32 | Nonuniform composition profile in In0.5Ga0.5As alloy quantum dots. *Physical Review Letters*, **2000**, 84, 334-7 | 7.4 | 244 |
| 31 | Scanning probe-based frequency-dependent microrheology of polymer gels and biological cells. *Physical Review Letters*, **2000**, 85, 880-3 | 7.4 | 401 |
| 30 | Growing atomically flat metal films on semiconductor substrates. *Series on Directions in Condensed Matter Physics*, **1999**, 438-449 | | |
| 29 | Factors influencing the interfacial roughness of InGaAs/GaAs heterostructures: A scanning tunneling microscopy study. *Applied Physics Letters*, **1999**, 75, 1703-1705 | 3.4 | 20 |

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| 28 | Quantum dots at the nanometer scale: Interdot carrier shuffling and multiparticle states. *Physical Review B*, **1999**, 60, 11026-11029 | 3.3 | 22 |
| 27 | Dislocations, Phason Defects, and Domain Walls in a One-Dimensional Quasiperiodic Superstructure of a Metallic Thin Film. *Physical Review Letters*, **1999**, 83, 3222-3225 | 7.4 | 19 |
| 26 | Nano-Photoluminescence Studies of Self-Assembled Quantum Dots. *Materials Research Society Symposia Proceedings*, **1999**, 583, 105 | | |
| 25 | Quantum Effect in Metal Overlayers on Semiconductor Substrates. *Series on Directions in Condensed Matter Physics*, **1999**, 149-173 | | |
| 24 | Electronic Growth of Metallic Overlayers on Semiconductor Substrates. *Physical Review Letters*, **1998**, 80, 5381-5384 | 7.4 | 336 |
| 23 | Alloy ordering in GaInP alloys: A cross-sectional scanning tunneling microscopy study. *Applied Physics Letters*, **1998**, 73, 1979-1981 | 3.4 | 26 |
| 22 | Determination of 2D Pair Correlations and Pair Interaction Energies of In Atoms in Molecular Beam Epitaxially Grown InGaAs Alloys. *Physical Review Letters*, **1997**, 79, 4822-4825 | 7.4 | 43 |
| 21 | Application of scanning tunneling microscopy to determine the exact charge states of surface point defects. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1996**, 14, 948 | | 5 |
| 20 | Thermal formation of Zn-dopant-vacancy defect complexes on InP(110) surfaces. *Physical Review B*, **1996**, 53, 4580-4590 | 3.3 | 56 |
| 19 | Direct determination of exact charge states of surface point defects using scanning tunneling microscopy: As vacancies on GaAs (110). *Physical Review B*, **1996**, 53, 6935-6938 | 3.3 | 45 |
| 18 | Temperature dependent compensation of Zn-dopant atoms by vacancies in III-V semiconductor surfaces. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1996**, 14, 1807-1811 | 2.9 | 15 |
| 17 | Dimer-vacancy-dimer-vacancy interaction on the Si(001) surface: The nature of the 2 x n structure. *Physical Review B*, **1995**, 52, R8650-R8653 | 3.3 | 46 |
| 16 | Cross-sectional scanning tunneling microscopy study of GaAs/AlAs short period superlattices: The influence of growth interrupt on the interfacial structure. *Applied Physics Letters*, **1995**, 66, 478-480 | 3.4 | 34 |
| 15 | New variable low-temperature scanning tunneling microscope for use in ultrahigh vacuum. *Review of Scientific Instruments*, **1995**, 66, 2499-2503 | 1.7 | 13 |
| 14 | Double-tip scanning tunneling microscope for surface analysis. *Physical Review B*, **1995**, 51, 5502-5505 | 3.3 | 40 |
| 13 | A new high-resolution two-dimensional micropositioning device for scanning probe microscopy applications. *Review of Scientific Instruments*, **1994**, 65, 3216-3219 | 1.7 | 29 |
| 12 | Cross-sectional scanning tunneling microscopy of doped and undoped AlGaAs/GaAs heterostructures. *Applied Physics Letters*, **1994**, 64, 493-495 | 3.4 | 10 |
| 11 | Direct mapping of electronic structure across Al0.3Ga0.7As/GaAs heterojunctions: Band offsets, asymmetrical transition widths, and multiple-valley band structures. *Physical Review Letters*, **1993**, 71, 1883-1886 | 7.4 | 46 |

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|---|---|---|---|
| 10 | Site-selective imaging in scanning tunneling microscopy of graphite: The nature of site asymmetry. *Physical Review B*, **1993**, 47, 13059-13062 | 3.3 | 38 |
| 9 | Vacancy migration, adatom motion, and atomic bistability on the GaAs(110) surface studied by scanning tunneling microscopy. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1993**, 11, 1644-1648 | 2.9 | 16 |
| 8 | Scanning tunneling microscopy of GaAs multiple pn junctions. *Applied Physics Letters*, **1992**, 61, 1104-1106 | 3.4 | 23 |
| 7 | Electronic structure of NiO: Correlation and band effects. *Physical Review B*, **1991**, 44, 3604-3626 | 3.3 | 153 |
| 6 | Scanning tunneling microscopy and spectroscopy of Bi-Sr-Ca-Cu-O 2:2:1:2 high-temperature superconductors. *Physical Review B*, **1991**, 43, 7913-7922 | 3.3 | 64 |
| 5 | Aspects of the correlation effects, antiferromagnetic order, and translational symmetry of the electronic structure of NiO and CoO. *Physical Review Letters*, **1990**, 64, 2442-2445 | 7.4 | 79 |
| 4 | Surface structural and electronic properties of cleaved single crystals of Bi2.15Sr1.7CaCu2O8+ delta compounds: A scanning tunneling microscopy study. *Physical Review B*, **1989**, 40, 2682-2685 | 3.3 | 87 |
| 3 | Determination of a natural valence-band offset: The case of HgTe-CdTe. *Physical Review Letters*, **1987**, 58, 2594-2597 | 7.4 | 77 |
| 2 | Bond-length relaxation in pseudobinary alloys. *Physical Review B*, **1985**, 31, 1139-1140 | 3.3 | 92 |
| 1 | Moiré excitons at line defects in transition metal dichalcogenides heterobilayers. *Comptes Rendus Physique*,1-16 | 1.4 | 0 |