

# A Levy Yeyati

## 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.

151  
papers

7,457  
citations

43  
h-index

84  
g-index

161  
ext. papers

8,349  
ext. citations

5.2  
avg, IF

5.94  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 151 | Spin coherent manipulation in Josephson weak links. <i>Physical Review Research</i> , <b>2021</b> , 3,  | 3.9  | 2         |
| 150 | Spin-dependent tunneling between individual superconducting bound states. <i>Physical Review Research</i> , <b>2021</b> , 3,  | 3.9  | 1         |
| 149 | Tunable proximity effects and topological superconductivity in ferromagnetic hybrid nanowires. <i>Physical Review B</i> , <b>2021</b> , 104,                              | 3.3  | 1         |
| 148 | Coherent manipulation of an Andreev spin qubit. <i>Science</i> , <b>2021</b> , 373, 430-433   | 33.3 | 8         |
| 147 | Coherent coupling between vortex bound states and magnetic impurities in 2D layered superconductors. <i>Nature Communications</i> , <b>2021</b> , 12, 4668                | 17.4 | 1         |
| 146 | Circuit-QED with phase-biased Josephson weak links. <i>Physical Review Research</i> , <b>2021</b> , 3,  | 3.9  | 4         |
| 145 | Andreev-Coulomb Drag in Coupled Quantum Dots. <i>Physical Review Letters</i> , <b>2020</b> , 125, 247701  | 7.4  | 1         |
| 144 | Boundary Green's function approach for spinful single-channel and multichannel Majorana nanowires. <i>Physical Review B</i> , <b>2020</b> , 101,                          | 3.3  | 3         |
| 143 | Dynamical Coulomb Blockade as a Local Probe for Quantum Transport. <i>Physical Review Letters</i> , <b>2020</b> , 124, 156803   | 7.4  | 2         |
| 142 | Improved effective equation for the Rashba spin-orbit coupling in semiconductor nanowires. <i>Physical Review Research</i> , <b>2020</b> , 2,                             | 3.9  | 3         |
| 141 | Quantum phase transitions and the role of impurity-substrate hybridization in Yu-Shiba-Rusinov states. <i>Communications Physics</i> , <b>2020</b> , 3,                   | 5.4  | 9         |
| 140 | Tunnelling dynamics between superconducting bound states at the atomic limit. <i>Nature Physics</i> , <b>2020</b> , 16, 1227-1231   | 16.2 | 12        |
| 139 | From Adiabatic to Dispersive Readout of Quantum Circuits. <i>Physical Review Letters</i> , <b>2020</b> , 125, 077701  | 7.4  | 5         |
| 138 | Single channel Josephson effect in a high transmission atomic contact. <i>Communications Physics</i> , <b>2020</b> , 3,   | 5.4  | 2         |
| 137 | Buildup of vibron-mediated electron correlations in molecular junctions. <i>Physical Review B</i> , <b>2019</b> , 99,   | 3.3  | 6         |
| 136 | Proximity induced time-reversal topological superconductivity in Bi <sub>2</sub> Se <sub>3</sub> films without phase tuning. <i>Physical Review B</i> , <b>2019</b> , 99, | 3.3  | 6         |
| 135 | Giant Shot Noise from Majorana Zero Modes in Topological Trijunctions. <i>Physical Review Letters</i> , <b>2019</b> , 122, 097003   | 7.4  | 13        |

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|-----|--|-----|----|
| 134 | Subgap states in two-dimensional spectroscopy of graphene-based superconducting hybrid junctions. <i>Physical Review B</i> , <b>2019</b> , 99,                   | 3.3 | 4  |
| 133 | Effects of the electrostatic environment on superlattice Majorana nanowires. <i>Physical Review B</i> , <b>2019</b> , 100,                                       | 3.3 | 9  |
| 132 | Mesoscopic Features in Nanoscale Superconducting Devices. <i>Springer Series in Materials Science</i> , <b>2019</b> , 147-207                                    | 0.9 |    |
| 131 | Dirac point formation revealed by Andreev tunneling in superlattice-graphene/superconductor junctions. <i>Physical Review B</i> , <b>2019</b> , 100,             | 3.3 | 2  |
| 130 | Spin-Orbit Splitting of Andreev States Revealed by Microwave Spectroscopy. <i>Physical Review X</i> , <b>2019</b> , 9,   | 9.1 | 46 |
| 129 | Josephson effect in junctions of conventional and topological superconductors. <i>Beilstein Journal of Nanotechnology</i> , <b>2018</b> , 9, 1659-1676           | 3   | 7  |
| 128 | Transient dynamics in interacting nanojunctions within self-consistent perturbation theory. <i>New Journal of Physics</i> , <b>2018</b> , 20, 083039             | 2.9 | 6  |
| 127 | Cooling by Cooper pair splitting. <i>Physical Review B</i> , <b>2018</b> , 98,   | 3.3 | 19 |
| 126 | Influence of the Majorana nonlocality on the supercurrent. <i>Physical Review B</i> , <b>2018</b> , 98,  | 3.3 | 7  |
| 125 | Nonequilibrium charge dynamics in Majorana-Josephson devices. <i>Physical Review B</i> , <b>2018</b> , 98,   | 3.3 | 2  |
| 124 | Interaction-induced zero-energy pinning and quantum dot formation in Majorana nanowires. <i>Beilstein Journal of Nanotechnology</i> , <b>2018</b> , 9, 2171-2180 | 3   | 20 |
| 123 | Analysis of universality in transient dynamics of coherent electronic transport. <i>Fortschritte Der Physik</i> , <b>2017</b> , 65, 1600062                      | 5.7 | 7  |
| 122 | Andreev spin qubits in multichannel Rashba nanowires. <i>Physical Review B</i> , <b>2017</b> , 96,   | 3.3 | 17 |
| 121 | Josephson effect in multiterminal topological junctions. <i>Physical Review B</i> , <b>2017</b> , 96,  | 3.3 | 16 |
| 120 | Quench dynamics in superconducting nanojunctions: Metastability and dynamical Yang-Lee zeros. <i>Physical Review B</i> , <b>2017</b> , 96,                       | 3.3 | 20 |
| 119 | Zero-energy pinning from interactions in Majorana nanowires. <i>Npj Quantum Materials</i> , <b>2017</b> , 2,   | 5   | 37 |
| 118 | Quantum interference in a Cooper pair splitter: The three sites model. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2016</b> , 75, 322-329  | 3   | 10 |
| 117 | Low-energy theory of transport in Majorana wire junctions. <i>Physical Review B</i> , <b>2016</b> , 94,  | 3.3 | 53 |

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|-----|---|-----|----|
| 116 | Signatures of nonlocal Cooper-pair transport and of a singlet-triplet transition in the critical current of a double-quantum-dot Josephson junction. <i>Physical Review B</i> , <b>2016</b> , 94, | 3-3 | 14 |
| 115 | Reprint of : Quantum interference in a Cooper pair splitter: The three sites model. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2016</b> , 82, 160-167                      | 3   |    |
| 114 | Andreev Bound States Formation and Quasiparticle Trapping in Quench Dynamics Revealed by Time-Dependent Counting Statistics. <i>Physical Review Letters</i> , <b>2016</b> , 117, 267701           | 7-4 | 17 |
| 113 | Interaction Effects on Transport in Majorana Nanowires <b>2015</b> , 377-400  |     |    |
| 112 | Transport in selectively magnetically doped topological insulator wires. <i>Physical Review B</i> , <b>2015</b> , 92,   | 3-3 | 6  |
| 111 | Magnetic Field Tuning and Quantum Interference in a Cooper Pair Splitter. <i>Physical Review Letters</i> , <b>2015</b> , 115, 227003  | 7-4 | 43 |
| 110 | Transient dynamics and waiting time distribution of molecular junctions in the polaronic regime. <i>Physical Review B</i> , <b>2015</b> , 92,   | 3-3 | 49 |
| 109 | Quasiparticle trapping, Andreev level population dynamics, and charge imbalance in superconducting weak links. <i>Physical Review B</i> , <b>2014</b> , 90,                                       | 3-3 | 19 |
| 108 | Temperature dependence of Andreev spectra in a superconducting carbon nanotube quantum dot. <i>Physical Review B</i> , <b>2014</b> , 89,  | 3-3 | 45 |
| 107 | Dynamics of quasiparticle trapping in Andreev levels. <i>Physical Review B</i> , <b>2014</b> , 89,  | 3-3 | 34 |
| 106 | Dressed tunneling approximation for electronic transport through molecular transistors. <i>Physical Review B</i> , <b>2014</b> , 89,  | 3-3 | 23 |
| 105 | Detection of spin entanglement via spin-charge separation in crossed Tomonaga-Luttinger liquids. <i>Physical Review Letters</i> , <b>2014</b> , 113, 266401                                       | 7-4 | 7  |
| 104 | Transport Through a Coulomb Blockaded Majorana Nanowire. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , <b>2013</b> , 63-76  | 0.2 |    |
| 103 | Formation of Interface Bound States on a Graphene-Superconductor Junction in the Presence of Charge Inhomogeneities. <i>Graphene</i> , <b>2013</b> , 02, 35-41                                    | 1.5 | 3  |
| 102 | Entanglement detection from conductance measurements in carbon nanotube cooper pair splitters. <i>Physical Review Letters</i> , <b>2013</b> , 111, 136806   | 7-4 | 47 |
| 101 | Spin filtering and entanglement detection due to spin-orbit interaction in carbon nanotube cross-junctions. <i>Physical Review B</i> , <b>2013</b> , 88,  | 3-3 | 12 |
| 100 | Long transient dynamics in the Anderson-Holstein model out of equilibrium. <i>Physical Review B</i> , <b>2013</b> , 87,   | 3-3 | 34 |
| 99  | The Andreev states of a superconducting quantum dot: mean field versus exact numerical results. <i>Journal of Physics Condensed Matter</i> , <b>2012</b> , 24, 385303                             | 1.8 | 27 |

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|----|---|------|-----|
| 98 | Majorana single-charge transistor. <i>Physical Review Letters</i> , <b>2012</b> , 109, 166403   | 7.4  | 68  |
| 97 | Kondo effect and spin-active scattering in ferromagnet-superconductor junctions. <i>Physical Review B</i> , <b>2012</b> , 85,                                 | 3.3  | 8   |
| 96 | Detection of vibration-mode scattering in electronic shot noise. <i>Physical Review Letters</i> , <b>2012</b> , 108, 146602                                   | 7.4  | 82  |
| 95 | Subradiant split Cooper pairs. <i>Physical Review Letters</i> , <b>2012</b> , 108, 166803   | 7.4  | 39  |
| 94 | Selective focusing of electrons and holes in a graphene-based superconducting lens. <i>Physical Review B</i> , <b>2012</b> , 85,                              | 3.3  | 18  |
| 93 | Transport in superlattices on single-layer graphene. <i>Physical Review B</i> , <b>2011</b> , 83,   | 3.3  | 54  |
| 92 | Josephson and Andreev transport through quantum dots. <i>Advances in Physics</i> , <b>2011</b> , 60, 899-958  | 18.4 | 169 |
| 91 | Coulomb blockade of Majorana-fermion-induced transport. <i>Physical Review B</i> , <b>2011</b> , 84,  | 3.3  | 69  |
| 90 | Energy spectrum and broken spin-surface locking in topological insulator quantum dots. <i>Physical Review B</i> , <b>2011</b> , 83,                           | 3.3  | 31  |
| 89 | Microscopic theory of Cooper pair beam splitters based on carbon nanotubes. <i>Physical Review B</i> , <b>2011</b> , 84,                                      | 3.3  | 44  |
| 88 | Andreev bound states in supercurrent-carrying carbon nanotubes revealed. <i>Nature Physics</i> , <b>2010</b> , 6, 965-969                                     | 16.2 | 217 |
| 87 | Josephson effect for SU(4) carbon-nanotube quantum dots. <i>Physical Review B</i> , <b>2010</b> , 81,   | 3.3  | 17  |
| 86 | Helical Luttinger liquid in topological insulator nanowires. <i>Physical Review Letters</i> , <b>2010</b> , 105, 136403                                       | 7.4  | 77  |
| 85 | A Green function approach to graphene-superconductor junctions with well-defined edges. <i>Journal of Physics Condensed Matter</i> , <b>2010</b> , 22, 275304 | 1.8  | 27  |
| 84 | Nonlinear effects of phonon fluctuations on transport through nanoscale junctions. <i>Physical Review B</i> , <b>2010</b> , 82,                               | 3.3  | 59  |
| 83 | Carbon nanotubes as cooper-pair beam splitters. <i>Physical Review Letters</i> , <b>2010</b> , 104, 026801  | 7.4  | 264 |
| 82 | Nonlocal transport through multiterminal diffusive superconducting nanostructures. <i>Physical Review B</i> , <b>2009</b> , 80,                               | 3.3  | 9   |
| 81 | Self-consistent microscopic calculations for nonlocal transport through nanoscale superconductors. <i>Physical Review B</i> , <b>2009</b> , 79,               | 3.3  | 23  |

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|----|---|------|-----|
| 80 | Long-range crossed Andreev reflections in high-temperature superconductors. <i>Physical Review B</i> , <b>2009</b> , 79,  | 3-3  | 15  |
| 79 | Electron-phonon interaction and full counting statistics in molecular junctions. <i>Physical Review B</i> , <b>2009</b> , 80,                                       | 3-3  | 80  |
| 78 | Proximity-induced interface bound states in superconductor-graphene junctions. <i>Physical Review B</i> , <b>2009</b> , 80,   | 3-3  | 21  |
| 77 | Microscopic theory of the proximity effect in superconductor-graphene nanostructures. <i>Physical Review B</i> , <b>2008</b> , 77,                                  | 3-3  | 45  |
| 76 | Nonadiabatic features of electron pumping through a quantum dot in the Kondo regime. <i>Physical Review B</i> , <b>2008</b> , 77,                                   | 3-3  | 38  |
| 75 | Interpolative approach for electron-electron and electron-phonon interactions: From the Kondo to the polaronic regime. <i>Physical Review B</i> , <b>2008</b> , 78, | 3-3  | 26  |
| 74 | Josephson Effect and Magnetic Interactions in Double Quantum Dots. <i>Mathematics in Industry</i> , <b>2008</b> , 426-430   | 0.2  |     |
| 73 | Structure of gold monoatomic wires connected to two electrodes. <i>Physica B: Condensed Matter</i> , <b>2007</b> , 398, 309-312                                     | 2.8  | 8   |
| 72 | Entangled Andreev pairs and collective excitations in nanoscale superconductors. <i>Nature Physics</i> , <b>2007</b> , 3, 455-459                                   | 16.2 | 98  |
| 71 | Josephson effect through a quantum dot array. <i>Physical Review B</i> , <b>2007</b> , 76,  | 3-3  | 20  |
| 70 | Even-odd effect in Andreev transport through a carbon nanotube quantum dot. <i>Physical Review Letters</i> , <b>2007</b> , 99, 126602                               | 7-4  | 113 |
| 69 | Crossover from Josephson to multiple Andreev reflection currents in atomic contacts. <i>Physical Review Letters</i> , <b>2007</b> , 99, 067008                      | 7-4  | 17  |
| 68 | Interplay between Josephson effect and magnetic interactions in double quantum dots. <i>Physical Review B</i> , <b>2006</b> , 74,                                   | 3-3  | 37  |
| 67 | Universal features of electron-phonon interactions in atomic wires. <i>Physical Review B</i> , <b>2006</b> , 73,  | 3-3  | 95  |
| 66 | Subharmonic gap structure in short ballistic graphene junctions. <i>Physical Review B</i> , <b>2006</b> , 74,   | 3-3  | 42  |
| 65 | Distribution of conduction channels in nanoscale contacts: Evolution towards the diffusive limit. <i>Europhysics Letters</i> , <b>2005</b> , 70, 663-669            | 1.6  | 16  |
| 64 | Phase diffusion and fractional Shapiro steps in superconducting quantum point contacts. <i>Physical Review B</i> , <b>2005</b> , 71,                                | 3-3  | 10  |
| 63 | Inverse proximity effect in superconductor-ferromagnet structures: From the ballistic to the diffusive limit. <i>Physical Review B</i> , <b>2005</b> , 72,          | 3-3  | 62  |

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|----|---|------|------|
| 62 | Dynamical coulomb blockade of multiple Andreev reflections. <i>Physical Review Letters</i> , <b>2005</b> , 95, 056804   | 7.4  | 9    |
| 61 | Course 8 Transport at the atomic scale: Atomic and molecular contacts. <i>Les Houches Summer School Proceedings</i> , <b>2005</b> , 81, 495-535   |      |      |
| 60 | Conductance properties of nanotubes coupled to superconducting leads: signatures of Andreev states dynamics. <i>Solid State Communications</i> , <b>2004</b> , 131, 625-630                     | 1.6  | 14   |
| 59 | Different wavelength oscillations in the conductance of 5d metal atomic chains. <i>Physical Review B</i> , <b>2004</b> , 70,  | 3.3  | 42   |
| 58 | Quantum properties of atomic-sized conductors. <i>Physics Reports</i> , <b>2003</b> , 377, 81-279   | 27.7 | 1265 |
| 57 | Josephson current through a correlated quantum level: Andreev states and junction behavior. <i>Physical Review B</i> , <b>2003</b> , 68,  | 3.3  | 151  |
| 56 | Nonequilibrium dynamics of Andreev states in the Kondo regime. <i>Physical Review Letters</i> , <b>2003</b> , 91, 266802  | 7.4  | 32   |
| 55 | Quantum Noise and Multiple Andreev Reflections in Superconducting Contacts <b>2003</b> , 51-71  |      |      |
| 54 | Subharmonic shapiro steps and assisted tunneling in superconducting point contacts. <i>Physical Review Letters</i> , <b>2002</b> , 88, 157001   | 7.4  | 35   |
| 53 | Electron correlation effects and ferromagnetism in iron. <i>Journal of Physics Condensed Matter</i> , <b>2002</b> , 14, L421-L427   | 1.8  | 11   |
| 52 | Evidence of fano-like interference phenomena in locally resonant materials. <i>Physical Review Letters</i> , <b>2002</b> , 88, 225502   | 7.4  | 268  |
| 51 | Transport properties of normal and ferromagnetic atomic-size constrictions with superconducting electrodes. <i>Physica C: Superconductivity and Its Applications</i> , <b>2001</b> , 352, 67-72 | 1.3  | 17   |
| 50 | Recursion method for nonhomogeneous superconductors: Proximity effect in superconductor-ferromagnet nanostructures. <i>Physical Review B</i> , <b>2001</b> , 64,                                | 3.3  | 17   |
| 49 | Kondo effect in normal-superconductor quantum dots. <i>Physical Review B</i> , <b>2001</b> , 63,  | 3.3  | 95   |
| 48 | Direct link between Coulomb blockade and shot noise in a quantum-coherent structure. <i>Physical Review Letters</i> , <b>2001</b> , 87, 046802  | 7.4  | 48   |
| 47 | Controlled dephasing of Andreev states in superconducting quantum point contacts. <i>Physical Review B</i> , <b>2001</b> , 64,  | 3.3  | 21   |
| 46 | Conduction channels of superconducting quantum point contacts. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 280, 425-431  | 2.8  | 12   |
| 45 | Supercurrent in atomic point contacts and andreev states. <i>Physical Review Letters</i> , <b>2000</b> , 85, 170-3  | 7.4  | 68   |

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|----|---|------|-----|
| 44 | Local-density approach and quasiparticle levels for generalized Hubbard Hamiltonians. <i>Physical Review B</i> , <b>2000</b> , 62, 4309-4331                                  | 3.3  | 52  |
| 43 | Scattering phases in quantum dots: An analysis based on lattice models. <i>Physical Review B</i> , <b>2000</b> , 62, 7307-7315  | 3.3  | 90  |
| 42 | Shot Noise and Coherent Multiple Charge Transfer in Superconducting Quantum Point Contacts. <i>Physical Review Letters</i> , <b>1999</b> , 82, 4086-4089                      | 7.4  | 76  |
| 41 | General transport properties of superconducting quantum point contacts: a Green functions approach. <i>Superlattices and Microstructures</i> , <b>1999</b> , 25, 925-936      | 2.8  | 13  |
| 40 | Transport in Multilevel Quantum Dots: From the Kondo Effect to the Coulomb Blockade Regime. <i>Physical Review Letters</i> , <b>1999</b> , 83, 600-603                        | 7.4  | 65  |
| 39 | Interpolative Method for Transport Properties of Quantum Dots in the Kondo Regime <b>1999</b> , 27-34   |      | 2   |
| 38 | The signature of chemical valence in the electrical conduction through a single-atom contact. <i>Nature</i> , <b>1998</b> , 394, 154-157                                      | 50.4 | 549 |
| 37 | Electron correlation effects at semiconductor surfaces and interfaces: Si(111)-5x5, Si(111)-7x7 and SnGe(111). <i>Progress in Surface Science</i> , <b>1998</b> , 59, 233-243 | 6.6  | 8   |
| 36 | Electron correlation effects in the Si (111)-5x5 and -7x7 surfaces. <i>Applied Surface Science</i> , <b>1998</b> , 123-124, 131-135   | 6.7  | 8   |
| 35 | Electron Resonances in Sharp Tips and Their Role in Tunneling Spectroscopy. <i>Physical Review Letters</i> , <b>1998</b> , 80, 357-360  | 7.4  | 91  |
| 34 | Evolution of Conducting Channels in Metallic Atomic Contacts under Elastic Deformation. <i>Physical Review Letters</i> , <b>1998</b> , 81, 2990-2993                          | 7.4  | 145 |
| 33 | Microscopic Origin of Conducting Channels in Metallic Atomic-Size Contacts. <i>Physical Review Letters</i> , <b>1998</b> , 80, 1066-1069                                      | 7.4  | 235 |
| 32 | Electron correlation effects in the Si(111)-7x7 surface. <i>Physical Review B</i> , <b>1998</b> , 58, 4584-4588   | 3.3  | 43  |
| 31 | METALINSULATOR TRANSITION IN THE Si(111)-(7x7) SURFACE. <i>Surface Review and Letters</i> , <b>1997</b> , 04, 281-286   | 1.1  | 14  |
| 30 | Resonant tunneling through a small quantum dot coupled to superconducting leads. <i>Physical Review B</i> , <b>1997</b> , 55, R6137-R6140                                     | 3.3  | 131 |
| 29 | Conductance quantization and electron resonances in sharp tips and atomic-size contacts. <i>Physical Review B</i> , <b>1997</b> , 56, 10369-10372                             | 3.3  | 48  |
| 28 | FORMATION OF METAL-SEMICONDUCTOR BARRIERS FOR GaAs-INTERFACES IN THE LOW METAL COVERAGE LIMIT. <i>Progress in Surface Science</i> , <b>1997</b> , 54, 229-240                 | 6.6  | 1   |
| 27 | Hamiltonian approach to the transport properties of superconducting quantum point contacts. <i>Physical Review B</i> , <b>1996</b> , 54, 7366-7379                            | 3.3  | 370 |



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|----|---|-----|-----|
| 26 | Microscopic theory of the phase-dependent linear conductance in highly transmissive superconducting quantum point contacts. <i>Physica B: Condensed Matter</i> , <b>1996</b> , 218, 126-129 | 2.8 | 7   |
| 25 | Metal-insulator transition for K on GaAs(100)-As rich surfaces. <i>Applied Surface Science</i> , <b>1996</b> , 104-105, 248-252   | 6.7 | 5   |
| 24 | The phase-dependent linear conductance of a superconducting quantum point contact. <i>Journal of Physics Condensed Matter</i> , <b>1996</b> , 8, 449-456                                    | 1.8 | 4   |
| 23 | Thermal noise in superconducting quantum point contacts. <i>Physical Review B</i> , <b>1996</b> , 53, R8891-R8894   | 3.3 | 62  |
| 22 | Theory of circular dichroism in photon STM experiments on magnetic samples. <i>Physical Review B</i> , <b>1995</b> , 52, 12505-12507  | 3.3 | 8   |
| 21 | Aharonov-Bohm oscillations in a mesoscopic ring with a quantum dot. <i>Physical Review B</i> , <b>1995</b> , 52, 14360-14363  | 3.3 | 62  |
| 20 | Quasi-one-dimensional structures and metallization for the deposition of K on GaAs(100) As-rich surfaces. <i>Physical Review B</i> , <b>1995</b> , 52, 16345-16348                          | 3.3 | 8   |
| 19 | Self-consistent theory of superconducting mesoscopic weak links. <i>Physical Review B</i> , <b>1995</b> , 51, 3743-3753   | 3.3 | 59  |
| 18 | Photoinduced Currents in Normal and Superconducting Micro-Junctions <b>1995</b> , 281-294   |     |     |
| 17 | Microscopic theory of Josephson mesoscopic constrictions. <i>Physical Review Letters</i> , <b>1994</b> , 72, 554-557  | 7.4 | 67  |
| 16 | Self-consistent theory for the DC Josephson effect in a superconducting STM junction. <i>Surface Science</i> , <b>1994</b> , 307-309, 973-977   | 1.8 | 3   |
| 15 | Electron correlation resonances in the transport through a single quantum level. <i>Physical Review Letters</i> , <b>1993</b> , 71, 2991-2994   | 7.4 | 174 |
| 14 | Model calculation of the noise characteristic in double-barrier heterostructures. <i>Physical Review B</i> , <b>1993</b> , 47, 10543-10547  | 3.3 | 18  |
| 13 | Theory of light rectification in scanning tunneling microscopy in the presence of an adsorbed molecule. <i>Annalen Der Physik</i> , <b>1993</b> , 505, 126-132                              | 2.6 | 3   |
| 12 | On the theory of difference frequency generation and light rectification in the scanning tunnelling microscope. <i>Journal of Physics Condensed Matter</i> , <b>1992</b> , 4, 7341-7354     | 1.8 | 8   |
| 11 | Nonlinear conductance fluctuations in quantum wires: Appearance of two different energy scales. <i>Physical Review B</i> , <b>1992</b> , 45, 14189-14196                                    | 3.3 | 11  |
| 10 | Theory of photovoltaic effect in STM: application to graphite. <i>Ultramicroscopy</i> , <b>1992</b> , 42-44, 242-249  | 3.1 | 3   |
| 9  | Numerical study of nonlinear conductance fluctuations in mesoscopic wires. <i>Physica B: Condensed Matter</i> , <b>1991</b> , 175, 61-64  | 2.8 |     |

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|---|--|-----|----|
| 8 | Photocurrent effects in the scanning tunneling microscope. <i>Physical Review B</i> , <b>1991</b> , 44, 9020-9024  | 3.3 | 16 |
| 7 | The Kubo formula for the conductance of finite systems in the ballistic regime: a simple algorithm. <i>Journal of Physics Condensed Matter</i> , <b>1990</b> , 2, 6533-6540            | 1.8 | 6  |
| 6 | Evaluation of the Kubo formula for conductivity using the recursion method. <i>Journal of Physics Condensed Matter</i> , <b>1989</b> , 1, 5429-5439                                    | 1.8 | 3  |
| 5 | Electronic structure of copper oxide clusters in the high TC superconductors: Relation to some recent experimental data. <i>Solid State Communications</i> , <b>1988</b> , 66, 491-496 | 1.6 | 8  |
| 4 | Effective-medium calculations for an amorphous metallic alloy. <i>Physical Review B</i> , <b>1988</b> , 38, 10929-10932  | 3.3 | 1  |
| 3 | Theoretical estimation of the electric-field gradient in amorphous alloys. <i>Physical Review B</i> , <b>1988</b> , 37, 10608-10611  | 3.3 | 9  |
| 2 | Structural relaxation of amorphous Zr <sub>70</sub> Cu <sub>30</sub> and its effect on the electronic properties. <i>Physical Review B</i> , <b>1987</b> , 35, 2714-2719               | 3.3 | 4  |
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