

Joaquã-n Fernã;ndez-Rossier

List of Publications by Year in descending order

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Version: 2024-02-01

158
papers

8,962
citations

43973

48
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43802

91
g-index

161
all docs

161
docs citations

161
times ranked

8880
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Frustrated magnetic interactions in a cyclacene crystal. <i>Physical Review Materials</i> , 2022, 6, . | 0.9 | 3 |
| 2 | Spin-lattice dynamics simulation of the Einstein–de Haas effect. <i>Computational Materials Science</i> , 2022, 209, 111359. | 1.4 | 5 |
| 3 | Hubbard model for spin-1 Haldane chains. <i>Physical Review B</i> , 2022, 105, . | 1.1 | 7 |
| 4 | One-to-one correspondence between thermal structure factors and coupling constants of general bilinear Hamiltonians. <i>Physical Review E</i> , 2022, 105, . | 0.8 | 1 |
| 5 | Ising and XY paramagnons in two-dimensional $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mrow} \langle \text{mml:mi} \rangle H \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mathvariant="normal"} \rangle \text{NbSe} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:math} \rangle . \text{Physical Review B}$. 2022, 105, . | 1.1 | 3 |
| 6 | Extrinsic room-temperature ferromagnetism in MoS ₂ . <i>Journal of Materials Science</i> , 2021, 56, 9692-9701. | 1.7 | 3 |
| 7 | Observation of Yu–Shiba–Rusinov States in Superconducting Graphene. <i>Advanced Materials</i> , 2021, 33, e2008113. | 11.1 | 10 |
| 8 | Large magnetic exchange coupling in rhombus-shaped nanographenes with zigzag periphery. <i>Nature Chemistry</i> , 2021, 13, 581-586. | 6.6 | 104 |
| 9 | Gutzwiller wave function on a digital quantum computer. <i>Physical Review B</i> , 2021, 103, . | 1.1 | 10 |
| 10 | Electronic and magnetic properties of VOCl/FeOCl antiferromagnetic heterobilayers. <i>2D Materials</i> , 2021, 8, 045008. | 2.0 | 5 |
| 11 | Renormalization of spin excitations and Kondo effect in open-shell nanographenes. <i>Physical Review B</i> , 2021, 104, . | 1.1 | 21 |
| 12 | Testing complementarity on a transmon quantum processor. <i>Physical Review A</i> , 2021, 104, . | 1.0 | 4 |
| 13 | Observation of fractional edge excitations in nanographene spin chains. <i>Nature</i> , 2021, 598, 287-292. | 13.7 | 115 |
| 14 | Quantum-coherent nanoscience. <i>Nature Nanotechnology</i> , 2021, 16, 1318-1329. | 15.6 | 73 |
| 15 | Magneto-optical Kerr effect in spin split two-dimensional massive Dirac materials. <i>2D Materials</i> , 2020, 7, 025011. | 2.0 | 21 |
| 16 | Nonreciprocal magnons in a two-dimensional crystal with out-of-plane magnetization. <i>Physical Review B</i> , 2020, 102, . | 1.1 | 12 |
| 17 | Magnetic Two-Dimensional Chromium Trihalides: A Theoretical Perspective. <i>Nano Letters</i> , 2020, 20, 6225-6234. | 4.5 | 103 |
| 18 | Probing local moments in nanographenes with electron tunneling spectroscopy. <i>Progress in Surface Science</i> , 2020, 95, 100595. | 3.8 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Interplay between spin proximity effect and charge-dependent exciton dynamics in MoSe ₂ /CrBr ₃ van der Waals heterostructures. <i>Nature Communications</i> , 2020, 11, 6021. | 5.8 | 52 |
| 20 | Magneto-optical response of chromium trihalide monolayers: chemical trends. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8856-8863. | 2.7 | 44 |
| 21 | Berry phase estimation in gate-based adiabatic quantum simulation. <i>Physical Review A</i> , 2020, 101, . | 1.0 | 10 |
| 22 | Excitonic magneto-optical Kerr effect in two-dimensional transition metal dichalcogenides induced by spin proximity. <i>Physical Review B</i> , 2020, 101, . | 1.1 | 24 |
| 23 | Collective All- ¹³ C Carbon Magnetism in Triangulene Dimers**. <i>Angewandte Chemie</i> , 2020, 132, 12139-12145. | 1.6 | 23 |
| 24 | Collective All- ¹³ C Carbon Magnetism in Triangulene Dimers**. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12041-12047. | 7.2 | 96 |
| 25 | Topological magnons in CrI ₃ monolayers: an itinerant fermion description. <i>2D Materials</i> , 2020, 7, 045031. | 2.0 | 45 |
| 26 | Optimizing quantum phase estimation for the simulation of Hamiltonian eigenstates. <i>Quantum Science and Technology</i> , 2020, 5, 044005. | 2.6 | 16 |
| 27 | Interplay between interlayer exchange and stacking in CrI ₃ bilayers. <i>Solid State Communications</i> , 2019, 299, 113662. | 0.9 | 132 |
| 28 | From cyclic nanorings to single-walled carbon nanotubes: disclosing the evolution of their electronic structure with the help of theoretical methods. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 2547-2557. | 1.3 | 20 |
| 29 | Enhanced lifetimes of spin chains coupled to chiral edge states. <i>New Journal of Physics</i> , 2019, 21, 043008. | 1.2 | 2 |
| 30 | Imaging magnetic 2D crystals with quantum sensors. <i>Science</i> , 2019, 364, 935-935. | 6.0 | 6 |
| 31 | Tuning the Exchange Bias on a Single Atom from 1 ÅmT to 10 ÅT. <i>Physical Review Letters</i> , 2019, 122, 227203. | 2.9 | 54 |
| 32 | Hybrid plasmon-magnon polaritons in graphene-antiferromagnet heterostructures. <i>2D Materials</i> , 2019, 6, 045003. | 2.0 | 13 |
| 33 | Optical orientation with linearly polarized light in transition metal dichalcogenides. <i>Physical Review B</i> , 2019, 99, . | 1.1 | 18 |
| 34 | Designer fermion models in functionalized graphene bilayers. <i>Physical Review Research</i> , 2019, 1, . | 1.3 | 4 |
| 35 | Single spin resonance driven by electric modulation of the g -factor anisotropy. <i>Physical Review Research</i> , 2019, 1, . | 1.3 | 18 |
| 36 | Probing quantum coherence in single-atom electron spin resonance. <i>Science Advances</i> , 2018, 4, eaq1543. | 4.7 | 78 |

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|----|---|------|-----------|
| 37 | Probing magnetism in 2D van der Waals crystalline insulators via electron tunneling. <i>Science</i> , 2018, 360, 1218-1222. | 6.0 | 668 |
| 38 | Real-space mapping of topological invariants using artificial neural networks. <i>Physical Review B</i> , 2018, 97, . | 1.1 | 44 |
| 39 | Electrically controlled nuclear polarization of individual atoms. <i>Nature Nanotechnology</i> , 2018, 13, 1120-1125. | 15.6 | 39 |
| 40 | Hyperfine interaction of individual atoms on a surface. <i>Science</i> , 2018, 362, 336-339. | 6.0 | 74 |
| 41 | Electrical spin manipulation in graphene nanostructures. <i>Physical Review B</i> , 2018, 97, . | 1.1 | 21 |
| 42 | Van der Waals Spin Valves. <i>Physical Review Letters</i> , 2018, 121, 067701. | 2.9 | 132 |
| 43 | Spin decoherence of magnetic atoms on surfaces. <i>Progress in Surface Science</i> , 2017, 92, 40-82. | 3.8 | 56 |
| 44 | Electronic transport in gadolinium atomic-size contacts. <i>Physical Review B</i> , 2017, 95, . | 1.1 | 4 |
| 45 | RKKY oscillations in the spin relaxation rates of atomic-scale nanomagnets. <i>Physical Review B</i> , 2017, 95, . | 1.1 | 6 |
| 46 | On the origin of magnetic anisotropy in two dimensional CrI ₃ . <i>2D Materials</i> , 2017, 4, 035002. | 2.0 | 524 |
| 47 | Characterization of highly crystalline lead iodide nanosheets prepared by room-temperature solution processing. <i>Nanotechnology</i> , 2017, 28, 455703. | 1.3 | 45 |
| 48 | Electrical detection of individual skyrmions in graphene devices. <i>Physical Review B</i> , 2017, 96, . | 1.1 | 3 |
| 49 | Gating Classical Information Flow via Equilibrium Quantum Phase Transitions. <i>Physical Review Letters</i> , 2017, 118, 147203. | 2.9 | 7 |
| 50 | Engineering the Eigenstates of Coupled Spin- $\frac{1}{2}$ Atoms on a Surface. <i>Physical Review Letters</i> , 2017, 119, 227206. | 2.9 | 78 |
| 51 | Exchange mechanism for electron paramagnetic resonance of individual adatoms. <i>Physical Review B</i> , 2017, 96, . | 1.1 | 38 |
| 52 | Anomalous magnetism in hydrogenated graphene. <i>Physical Review B</i> , 2017, 96, . | 1.1 | 13 |
| 53 | Emergence of quasiparticle Bloch states in artificial crystals crafted atom-by-atom. <i>SciPost Physics</i> , 2017, 2, . | 1.5 | 22 |
| 54 | Topological spin waves in the atomic-scale magnetic skyrmion crystal. <i>New Journal of Physics</i> , 2016, 18, 045015. | 1.2 | 88 |

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|----|---|------|-----------|
| 55 | Centimeter-Scale Synthesis of Ultrathin Layered MoO ₃ by van der Waals Epitaxy. Chemistry of Materials, 2016, 28, 4042-4051. | 3.2 | 100 |
| 56 | Competition between quantum spin tunneling and Kondo effect. European Physical Journal B, 2016, 89, 1. | 0.6 | 18 |
| 57 | Engineering spin exchange in nonbipartite graphene zigzag edges. Physical Review B, 2016, 94, . | 1.1 | 22 |
| 58 | Landau levels in 2D materials using Wannier Hamiltonians obtained by first principles. 2D Materials, 2016, 3, 035023. | 2.0 | 21 |
| 59 | A kilobyte rewritable atomic memory. Nature Nanotechnology, 2016, 11, 926-929. | 15.6 | 123 |
| 60 | Unconventional Yuâ€“Shibaâ€“Rusinov states in hydrogenated graphene. 2D Materials, 2016, 3, 025001. | 2.0 | 19 |
| 61 | Quantum spin Hall phase in multilayer graphene. Physical Review B, 2015, 91, . | 1.1 | 4 |
| 62 | Quantum anomalous Hall effect in graphene coupled to skyrmions. Physical Review B, 2015, 92, . | 1.1 | 28 |
| 63 | Electronic properties of transition metal atoms on $\text{Cu}_2\text{N} \times \text{Cu}_{100}$ Physical Review B, 2015, 92, . | 1.1 | 19 |
| 64 | Quantum fluctuations stabilize skyrmion textures. Physical Review B, 2015, 92, . | 1.1 | 37 |
| 65 | Majorana Zero Modes in Graphene. Physical Review X, 2015, 5, . | 2.8 | 71 |
| 66 | Derivation of the spin Hamiltonians for Fe in MgO. New Journal of Physics, 2015, 17, 033020. | 1.2 | 17 |
| 67 | Edge states in graphene-like systems. Synthetic Metals, 2015, 210, 56-67. | 2.1 | 40 |
| 68 | Orbital Magnetization of Quantum Spin Hall Insulator Nanoparticles. Nano Letters, 2015, 15, 5799-5803. | 4.5 | 14 |
| 69 | Controlled Complete Suppression of Single-Atom Inelastic Spin and Orbital Cotunneling. Nano Letters, 2015, 15, 6542-6546. | 4.5 | 25 |
| 70 | The emergence of classical behaviour in magnetic adatoms. Europhysics Letters, 2015, 109, 57001. | 0.7 | 31 |
| 71 | Noncollinear magnetic phases and edge states in graphene quantum Hall bars. Physical Review B, 2014, 90, . | 1.1 | 25 |
| 72 | Magnetic Edge Anisotropy in Graphenelike Honeycomb Crystals. Physical Review Letters, 2014, 113, 027203. | 2.9 | 65 |

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|----|--|------|-----------|
| 73 | Control of single-spin magnetic anisotropy by exchange coupling. Nature Nanotechnology, 2014, 9, 64-68. | 15.6 | 129 |
| 74 | Consequences of Kondo exchange on quantum spins. Surface Science, 2014, 630, 337-342. | 0.8 | 27 |
| 75 | Imaging of spin waves in atomically designed nanomagnets. Nature Materials, 2014, 13, 782-785. | 13.3 | 112 |
| 76 | Quantum theory of spin waves in finite chiral spin chains. Physical Review B, 2014, 89, . | 1.1 | 8 |
| 77 | Quantum Hall effect in gapped graphene heterojunctions. Physical Review B, 2013, 88, . | 1.1 | 17 |
| 78 | Local Probe of Fractional Edge States of $S=1$ Heisenberg Spin Chains. Physical Review Letters, 2013, 111, 167201. | 2.9 | 18 |
| 79 | Intrinsic spin noise in MgO magnetic tunnel junctions. Applied Physics Letters, 2013, 102, . | 1.5 | 3 |
| 80 | Graphene single-electron transistor as a spin sensor for magnetic adsorbates. Physical Review B, 2013, 87, . | 1.1 | 18 |
| 81 | Topologically Protected Quantum Transport in Locally Exfoliated Bismuth at Room Temperature. Physical Review Letters, 2013, 110, 176802. | 2.9 | 101 |
| 82 | Electronic properties of the MoS_2 heterojunction. Physical Review B, 2013, 87, . | 1.1 | 424 |
| 83 | Quantum engineering. Nature Materials, 2013, 12, 480-481. | 13.3 | 22 |
| 84 | Large spin splitting in the conduction band of transition metal dichalcogenide monolayers. Physical Review B, 2013, 88, . | 1.1 | 341 |
| 85 | Anisotropic intrinsic spin relaxation in graphene due to flexural distortions. Physical Review B, 2013, 88, . | 1.1 | 30 |
| 86 | Probing a single nuclear spin in a silicon single electron transistor. Applied Physics Letters, 2012, 101, 072407. | 1.5 | 1 |
| 87 | Optical control of the spin state of two Mn atoms in a quantum dot. Physical Review B, 2012, 86, . | 1.1 | 33 |
| 88 | Spin-filtered edge states in graphene. Solid State Communications, 2012, 152, 1469-1476. | 0.9 | 13 |
| 89 | Storage of Classical Information in Quantum Spins. Physical Review Letters, 2012, 108, 196602. | 2.9 | 30 |
| 90 | Impurity states in the quantum spin Hall phase in graphene. Physical Review B, 2012, 86, . | 1.1 | 16 |

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|-----|--|------|-----------|
| 91 | Interplay between sublattice and spin symmetry breaking in graphene. <i>Physical Review B</i> , 2012, 85, . | 1.1 | 35 |
| 92 | Colossal anisotropy in diluted magnetic topological insulators. <i>Solid State Communications</i> , 2012, 152, 403-406. | 0.9 | 19 |
| 93 | Inelastic Electron Tunneling Spectroscopy of a Mn Dimer. <i>Acta Physica Polonica A</i> , 2012, 122, 304-306. | 0.2 | 1 |
| 94 | Spin-orbit interaction in curved graphene ribbons. <i>Physical Review B</i> , 2011, 83, . | 1.1 | 29 |
| 95 | Inelastic Electron Tunneling Spectroscopy of a Single Nuclear Spin. <i>Physical Review Letters</i> , 2011, 107, 076804. | 2.9 | 11 |
| 96 | Spin-phonon coupling in single Mn-doped CdTe quantum dot. <i>Physical Review B</i> , 2011, 84, . | 1.1 | 24 |
| 97 | Cotunneling theory of atomic spin inelastic electron tunneling spectroscopy. <i>Physical Review B</i> , 2011, 84, . | 1.1 | 33 |
| 98 | Modelling optical spin pumping of a single Mn atom in a CdTe quantum dot. <i>Journal of Physics: Conference Series</i> , 2010, 210, 012046. | 0.3 | 2 |
| 99 | Zero-frequency shot noise in an artificial single molecule magnet. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 561-564. | 1.3 | 1 |
| 100 | Optical initialization, readout, and dynamics of a Mn spin in a quantum dot. <i>Physical Review B</i> , 2010, 81, . | 1.1 | 50 |
| 101 | Spin-Transfer Torque on a Single Magnetic Adatom. <i>Physical Review Letters</i> , 2010, 104, 026601. | 2.9 | 90 |
| 102 | Hydrogenated graphene nanoribbons for spintronics. <i>Physical Review B</i> , 2010, 81, . | 1.1 | 119 |
| 103 | Electronic and magnetic structure of graphene nanoribbons. <i>Semiconductor Science and Technology</i> , 2010, 25, 033003. | 1.0 | 68 |
| 104 | Spin dynamics of current-driven single magnetic adatoms and molecules. <i>Physical Review B</i> , 2010, 82, . | 1.1 | 52 |
| 105 | Spontaneous persistent currents in a quantum spin Hall insulator. <i>Physical Review B</i> , 2010, 82, . | 1.1 | 60 |
| 106 | The Kondo effect in ferromagnetic atomic contacts. <i>Nature</i> , 2009, 458, 1150-1153. | 18.7 | 132 |
| 107 | Giant Magnetoresistance in Ultrasmall Graphene Based Devices. <i>Physical Review Letters</i> , 2009, 102, 136810. | 2.9 | 274 |
| 108 | Theory of Single-Spin Inelastic Tunneling Spectroscopy. <i>Physical Review Letters</i> , 2009, 102, 256802. | 2.9 | 142 |

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|-----|--|-----|-----------|
| 109 | Optical probing of spin fluctuations of a single paramagnetic Mn atom in a semiconductor quantum dot. <i>Physical Review B</i> , 2008, 78, . | 1.1 | 49 |
| 110 | Prediction of hidden multiferroic order in graphene zigzag ribbons. <i>Physical Review B</i> , 2008, 77, . | 1.1 | 112 |
| 111 | Vacancy-induced magnetism in graphene and graphene ribbons. <i>Physical Review B</i> , 2008, 77, . | 1.1 | 390 |
| 112 | Performance limits of graphene-ribbon field-effect transistors. <i>Physical Review B</i> , 2008, 77, . | 1.1 | 57 |
| 113 | Anisotropic magnetoresistance in nanocontacts. <i>Physical Review B</i> , 2008, 77, . | 1.1 | 28 |
| 114 | Single-exciton spectroscopy of single Mn doped InAs quantum dots. <i>Physical Review B</i> , 2008, 78, . | 1.1 | 29 |
| 115 | Hysteretic Linear Conductance in Single Electron Transport through a Single Atom Magnet. <i>Mathematics in Industry</i> , 2008, , 460-465. | 0.1 | 0 |
| 116 | VO: A strongly correlated metal close to a Mott-Hubbard transition. <i>Physical Review B</i> , 2007, 76, . | 1.1 | 17 |
| 117 | Single-Electron Transport in Electrically Tunable Nanomagnets. <i>Physical Review Letters</i> , 2007, 98, 106805. | 2.9 | 72 |
| 118 | Long-range spin-qubit interaction in planar microcavities. , 2007, , . | | 0 |
| 119 | Long-range spin-qubit interaction in planar microcavities. , 2007, , . | | 0 |
| 120 | Magnetism in Graphene Nanoislands. <i>Physical Review Letters</i> , 2007, 99, 177204. | 2.9 | 696 |
| 121 | Electronic structure of gated graphene and graphene ribbons. <i>Physical Review B</i> , 2007, 75, . | 1.1 | 93 |
| 122 | Electronic structure and transport properties of atomic NiO spinvalves. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, e675-e677. | 1.0 | 2 |
| 123 | Single-exciton spectroscopy of semimagnetic quantum dots. <i>Physical Review B</i> , 2006, 73, . | 1.1 | 85 |
| 124 | Coherent transport in graphene nanoconstrictions. <i>Physical Review B</i> , 2006, 74, . | 1.1 | 162 |
| 125 | Spin filter behaviour of atomic NiO chains in Ni nanocontacts. , 2006, , . | | 0 |
| 126 | Mn-doped II-VI quantum dots: artificial molecular magnets. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 3734-3739. | 0.8 | 15 |

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|-----|---|-----|-----------|
| 127 | Anisotropic magnetoresistance in single electron transport. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 4231-4234. | 0.8 | 3 |
| 128 | Spin properties of charged single Mn-doped quantum dots. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3912-3916. | 0.7 | 6 |
| 129 | Electrical Control of a Single Mn Atom in a Quantum Dot. <i>Physical Review Letters</i> , 2006, 97, 107401. | 2.9 | 149 |
| 130 | Long-Range Spin-Qubit Interaction Mediated by Microcavity Polaritons. <i>Physical Review Letters</i> , 2006, 97, 097401. | 2.9 | 35 |
| 131 | Emergence of half-metallicity in suspended NiO chains: Ab initio electronic structure and quantum transport calculations. <i>Physical Review B</i> , 2006, 74, . | 1.1 | 25 |
| 132 | Transport in magnetically ordered Pt nanocontacts. <i>Physical Review B</i> , 2005, 72, . | 1.1 | 34 |
| 133 | Anisotropic exchange interaction induced by a single photon in semiconductor microcavities. <i>Physical Review B</i> , 2005, 72, . | 1.1 | 11 |
| 134 | Magnetic and orbital blocking in Ni nanocontacts. <i>Physical Review B</i> , 2005, 71, . | 1.1 | 63 |
| 135 | Ferromagnetism Mediated by Few Electrons in a Semimagnetic Quantum Dot. <i>Physical Review Letters</i> , 2004, 93, 117201. | 2.9 | 91 |
| 136 | Spin depolarization in the transport of holes across $\text{Ga}_{1-x}\text{Mn}_x\text{As}/\text{Ga}_{1-y}\text{As}/\text{p-GaAs}$. <i>Physical Review B</i> , 2004, 70, . | 1.1 | 9 |
| 137 | Influence of a uniform current on collective magnetization dynamics in a ferromagnetic metal. <i>Physical Review B</i> , 2004, 69, . | 1.1 | 98 |
| 138 | Optical control of the magnetization damping in ferromagnetic semiconductors. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 1913-1914. | 1.0 | 8 |
| 139 | Coherently Photoinduced Ferromagnetism in Diluted Magnetic Semiconductors. <i>Physical Review Letters</i> , 2004, 93, 127201. | 2.9 | 38 |
| 140 | Tunnel magnetoresistance in GaMnAs: Going beyond Jullière formula. <i>Applied Physics Letters</i> , 2004, 85, 1996-1998. | 1.5 | 59 |
| 141 | Spin separation in digital ferromagnetic heterostructures. <i>Physical Review B</i> , 2002, 66, . | 1.1 | 13 |
| 142 | Coherent control and four wave-mixing of Fermi edge singularities in doped quantum wells. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 12, 558-561. | 1.3 | 0 |
| 143 | Theory of ferromagnetism in planar heterostructures of (Mn,III)-V semiconductors. <i>Physical Review B</i> , 2001, 64, . | 1.1 | 53 |
| 144 | Fermi-edge singularities in linear and nonlinear ultrafast spectroscopy. <i>Physical Review B</i> , 2001, 63, . | 1.1 | 3 |

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|-----|---|-----|-----------|
| 145 | Microscopic theory for quantum mirages in quantum corrals. <i>Physical Review B</i> , 2001, 63, . | 1.1 | 37 |
| 146 | Microscopic theory of exciton coherent control and Rayleigh scattering in semiconductor quantum wells. <i>Semiconductor Science and Technology</i> , 2000, 15, R65-R80. | 1.0 | 2 |
| 147 | Comment on "Quantum Theory of Secondary Emission in Optically Excited Semiconductor Quantum Wells" <i>Physical Review Letters</i> , 2000, 84, 2281-2281. | 2.9 | 3 |
| 148 | Coherent Response to Optical Pulses in Quantum Wells. , 2000, , 143-157. | | 0 |
| 149 | Interferences and coherent control of excitons in GaAs quantum wells. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 6013-6021. | 0.7 | 3 |
| 150 | Exciton beats in GaAs quantum wells: bosonic representation and collective effects. <i>Solid State Communications</i> , 1999, 112, 597-600. | 0.9 | 3 |
| 151 | Coherent-light emission from exciton condensates in semiconductor quantum wells. <i>Solid State Communications</i> , 1998, 108, 473-477. | 0.9 | 25 |
| 152 | Condensation of 2D electron-hole pairs with spin degree of freedom. <i>Physica B: Condensed Matter</i> , 1998, 249-251, 714-717. | 1.3 | 0 |
| 153 | Spin Degree of Freedom in Two Dimensional Exciton Condensates. <i>Physical Review Letters</i> , 1997, 78, 4809-4812. | 2.9 | 67 |
| 154 | Ferromagnetism in 2D Exciton Condensates. <i>Physica Status Solidi A</i> , 1997, 164, 343-346. | 1.7 | 4 |
| 155 | Polarized interacting exciton gas in quantum wells and bulk semiconductors. <i>Physical Review B</i> , 1996, 54, 11582-11591. | 1.1 | 48 |
| 156 | Spin splitting of excitons in GaAs quantum wells at zero magnetic field. <i>Solid-State Electronics</i> , 1996, 40, 755-758. | 0.8 | 5 |
| 157 | Spin splitting in a polarized quasi-two-dimensional exciton gas. <i>Physical Review B</i> , 1996, 54, R8317-R8320. | 1.1 | 54 |
| 158 | Exciton and Polariton Condensation. , 0, , 153-189. | | 0 |