

Jamal Berakdar

List of Publications by Year in descending order

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399
papers

5,926
citations

101543

36
h-index

175258

52
g-index

410
all docs

410
docs citations

410
times ranked

3072
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-body Coulomb continuum problem. Physical Review Letters, 1994, 72, 3799-3802.	7.8	158
2	Approximate analytical solution of the quantum-mechanical three-body Coulomb continuum problem. Physical Review A, 1996, 53, 2314-2326.	2.5	120
3	Origin of dips and peaks in the absolute fully resolved cross sections for the electron-impact double ionization of He. Physical Review A, 1999, 59, 3548-3555.	2.5	115
4	Circular dichroism in double photoionization. Physical Review Letters, 1992, 69, 1175-1177.	7.8	93
5	The electron-impact double ionization of atoms: an insight into the four-body Coulomb scattering dynamics. Physics Reports, 2003, 374, 91-164.	25.6	85
6	Experimental Evidence for Circular Dichroism in the Double Photoionization of Helium. Physical Review Letters, 1996, 77, 3975-3978.	7.8	83
7	Photoinduced Charge Currents in Mesoscopic Rings. Physical Review Letters, 2005, 94, 166801.	7.8	79
8	Single-particle states in spherical $\langle \text{Si} \rangle \langle \hat{\cdot} \rangle \langle \text{Si} \rangle \langle \text{O} \rangle \langle 2 \rangle \langle \text{Si} \rangle \langle \text{O} \rangle \langle 2 \rangle \langle \text{Si} \rangle \langle \text{O} \rangle \langle 2 \rangle$ quantum dots. Physical Review B, 2007, 76, .	3.2	70
9	Electrical writing, deleting, reading, and moving of magnetic skyrmioniums in a racetrack device. Scientific Reports, 2019, 9, 12119.	3.3	70
10	Helicity Dependence of the Photon-Induced Three-Body Coulomb Fragmentation of Helium Investigated by Cold Target Recoil Ion Momentum Spectroscopy. Physical Review Letters, 1998, 80, 5301-5304.	7.8	69
11	Chiral electron pairs from double photoionization. Journal of Physics B: Atomic, Molecular and Optical Physics, 1993, 26, 1463-1478.	1.5	67
12	Emission of correlated electron pairs following single-photon absorption by solids and surfaces. Physical Review B, 1998, 58, 9808-9816.	3.2	66
13	Interference effects in (e,2e)-differential cross sections in doubly symmetric geometry. Journal of Physics B: Atomic, Molecular and Optical Physics, 1994, 27, 4271-4280.	1.5	63
14	Mechanism of interfacial magnetoelectric coupling in composite multiferroics. Physical Review B, 2014, 90, .	3.2	58
15	Sustainable orientation of polar molecules induced by half-cycle pulses. Physical Review A, 2003, 68, .	2.5	56
16	Electric currents induced by twisted light in Quantum Rings. Optics Express, 2009, 17, 20465.	3.4	55
17	Quantum Otto heat engine based on a multiferroic chain working substance. New Journal of Physics, 2014, 16, 063018.	2.9	55
18	Magnetophononics: Ultrafast spin control through the lattice. Physical Review Materials, 2018, 2, .	2.4	53

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19	Spectroscopy of the Electron-Electron Interaction in Solids. <i>Physical Review Letters</i> , 2002, 89, 086402.	7.8	48
20	Reflection of electrons from a domain wall in magnetic nanojunctions. <i>Physical Review B</i> , 2003, 68, .	3.2	47
21	Electric tuning of magnetization dynamics and electric field-induced negative magnetic permeability in nanoscale composite multiferroics. <i>Scientific Reports</i> , 2015, 5, 11111.	3.3	46
22	Structures in the cross section of double ionization of helium by the impact of fast electrons. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1993, 26, 4219-4235.	1.5	44
23	Pair correlation in two-electron emission from surfaces. <i>Solid State Communications</i> , 1999, 112, 587-591.	1.9	44
24	Controlling the Spin Polarization of Nanostructures on Magnetic Substrates. <i>Physical Review Letters</i> , 2006, 96, 127204.	7.8	42
25	Mapping Out Electron-Electron Interactions at Surfaces. <i>Physical Review Letters</i> , 2005, 95, 117601.	7.8	41
26	Local Control of Ultrafast Dynamics of Magnetic Nanoparticles. <i>Physical Review Letters</i> , 2009, 102, 057204.	7.8	41
27	Visualizing Spin-Dependent Electronic Collisions In Ferromagnets. <i>Physical Review Letters</i> , 2000, 85, 1746-1749.	7.8	40
28	Scaling behaviour of the triply differential cross section for the ionization of atomic hydrogen. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1993, 26, 285-296.	1.5	39
29	Incremental Approach to Strongly Correlated Many-Body Finite Systems. <i>Physical Review Letters</i> , 2000, 85, 4036-4039.	7.8	39
30	Complete experiments for the double ionization of He: (e,3e) cross sections at 1 keV impact energy and small momentum transfer. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001, 34, 3073-3087.	1.5	39
31	Photoelectric effect with a twist. <i>Nature Photonics</i> , 2020, 14, 554-558.	31.4	39
32	Proton and antiproton impact ionization of atomic hydrogen and helium. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1992, 24, 351-364.	1.0	38
33	Charge and spin dynamics driven by ultrashort extreme broadband pulses: A theory perspective. <i>Physics Reports</i> , 2017, 672, 1-82.	25.6	38
34	Twisted magnon beams carrying orbital angular momentum. <i>Nature Communications</i> , 2019, 10, 2077.	12.8	38
35	Structures in triply and doubly differential ionization cross sections of atomic hydrogen. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1993, 26, 3891-3913.	1.5	37
36	Complementary TDCS for the photo-double ionization of He at 40 eV above the threshold in unequal energy-sharing conditions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001, 34, 3193-3203.	1.5	37

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37	Charge-current generation in atomic systems induced by optical vortices. <i>Physical Review A</i> , 2012, 86, .	2.5	37
38	Time-dependent many-body treatment of electron-boson dynamics: Application to plasmon-accompanied photoemission. <i>Physical Review B</i> , 2016, 93, .	3.2	37
39	Theory of two-electron photoemission from surfaces. <i>Solid State Communications</i> , 2000, 113, 665-669.	1.9	36
40	Angular resolved time delay in photoemission. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 025602.	1.5	36
41	Multiferroic oxides-based flash memory and spin-field-effect transistor. <i>Applied Physics Letters</i> , 2009, 95, 012105.	3.3	35
42	Manifestations of Electronic Correlations in the Diffraction of Electron Pairs from Crystals. <i>Physical Review Letters</i> , 1998, 81, 3535-3538.	7.8	34
43	Asymmetric Formation of Positronium Continuum States Following Positron-Impact Ionization of H ₂ . <i>Physical Review Letters</i> , 1998, 81, 1393-1396.	7.8	34
44	Single- or multi-flavor Kondo effect in graphene. <i>Europhysics Letters</i> , 2010, 90, 67001.	2.0	34
45	Superadiabatic quantum heat engine with a multiferroic working medium. <i>Physical Review E</i> , 2016, 94, 032116.	2.1	34
46	Positron- and electron-impact double ionisation of helium at low and intermediate energies. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 220, 237-241.	2.1	33
47	Correlated scattering states of N-body Coulomb systems. <i>Physical Review A</i> , 1997, 55, 1994-2003.	2.5	32
48	Probing the Spin Polarization in Ferromagnets. <i>Physical Review Letters</i> , 1999, 83, 5150-5153.	7.8	32
49	Fokker-Planck approach to the theory of the magnon-driven spin Seebeck effect. <i>Physical Review B</i> , 2013, 88, .	3.2	32
50	Spin-dependent Otto quantum heat engine based on a molecular substance. <i>Physical Review B</i> , 2014, 90, .	3.2	32
51	Orientalional Dichroism in the Electron-Impact Ionization of Laser-Oriented Atomic Sodium. <i>Physical Review Letters</i> , 1998, 80, 257-260.	7.8	31
52	Optical vortex driven charge current loop and optomagnetism in fullerenes. <i>Carbon</i> , 2016, 99, 439-443.	10.3	31
53	Electron ejection from clean metallic surfaces upon charged particle impact. <i>Physical Review A</i> , 1997, 56, 1403-1413.	2.5	30
54	Spin-correlation imaging of electrons in ferromagnets. <i>Physical Review B</i> , 2002, 65, .	3.2	30

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55	Revealing the non- s^2 contributions in the momentum wave function of ground-state He. <i>Europhysics Letters</i> , 2003, 62, 477-483.	2.0	30
56	Chiral multi-electron emission. <i>Physics Reports</i> , 2001, 340, 473-520.	25.6	29
57	Photoinduced Emission of Cooper Pairs from Superconductors. <i>Physical Review Letters</i> , 2003, 91, 257007.	7.8	29
58	Magnetoresistance of a semiconducting magnetic wire with a domain wall. <i>Physical Review B</i> , 2005, 71, .	3.2	29
59	Conductance switching, hysteresis, and magnetoresistance in organic semiconductors. <i>Organic Electronics</i> , 2007, 8, 487-497.	2.6	29
60	Dynamics of Localized Modes in a Composite Multiferroic Chain. <i>Physical Review Letters</i> , 2013, 111, 117202.	7.8	29
61	Entanglement between nitrogen vacancy spins in diamond controlled by a nanomechanical resonator. <i>Physical Review B</i> , 2013, 88, .	3.2	29
62	Parabolic-hyperspherical approach to the fragmentation of three-particle Coulomb systems. <i>Physical Review A</i> , 1996, 54, 1480-1486.	2.5	28
63	Revivals, collapses, and magnetic-pulse generation in quantum rings. <i>Physical Review B</i> , 2006, 74, .	3.2	28
64	Centrifugal photovoltaic and photogalvanic effects driven by structured light. <i>Scientific Reports</i> , 2016, 6, 21475.	3.3	28
65	Pulse and quench induced dynamical phase transition in a chiral multiferroic spin chain. <i>Physical Review B</i> , 2016, 94, .	3.2	28
66	Title is missing!. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999, 32, 895-913.	1.5	27
67	Mott scattering in the presence of a linearly polarized laser field. <i>Physical Review A</i> , 2003, 67, .	2.5	27
68	Current-induced motion of a domain wall in a magnetic nanowire. <i>Physical Review B</i> , 2006, 74, .	3.2	27
69	Angular electronic π -band structure TM of molecules. <i>Chemical Physics Letters</i> , 2009, 468, 313-318.	2.6	27
70	Longitudinal spin current induced by a temperature gradient in a ferromagnetic insulator. <i>Physical Review B</i> , 2014, 90, .	3.2	27
71	Electric field controlled spin waveguide phase shifter in YIG. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	27
72	Steering magnonic dynamics and permeability at exceptional points in a parity $\hat{=}$ time symmetric waveguide. <i>Nature Communications</i> , 2020, 11, 5663.	12.8	27

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73	Comparative theoretical study of $(e, 3e)$ on helium: Coulomb-waves versus close-coupling approach. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002, 35, L15-L21.	1.5	26
74	Temperature-dependent magnetization dynamics of magnetic nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 125226.	1.8	26
75	Magnetotransport through graphene spin valves. <i>Physical Review B</i> , 2009, 79, .	3.2	26
76	Light-induced valley currents and magnetization in graphene rings. <i>Physical Review B</i> , 2009, 80, .	3.2	26
77	Orbital and spin dynamics of intraband electrons in quantum rings driven by twisted light. <i>Optics Express</i> , 2011, 19, 26733.	3.4	26
78	Double photoionization of He at 80 eV excess energy in the equal-energy-sharing condition. <i>Physical Review A</i> , 2002, 65, .	2.5	25
79	Controlling the orientation of polar molecules by half-cycle pulses. <i>Chemical Physics Letters</i> , 2003, 382, 475-480.	2.6	25
80	Laser-Assisted Muon Decay. <i>Physical Review Letters</i> , 2007, 98, 251803.	7.8	25
81	Communication: Superatom molecular orbitals: New types of long-lived electronic states. <i>Journal of Chemical Physics</i> , 2011, 135, 201103.	3.0	25
82	Helical multiferroics for electric field controlled quantum information processing. <i>Physical Review B</i> , 2014, 89, .	3.2	25
83	Laser-assisted $(e, 2e)$ reaction in one-electron atoms and ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 1291-1303.	1.5	24
84	Polarization and magnetization dynamics of a field-driven multiferroic structure. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 352201.	1.8	24
85	Influence of magnetoelectric coupling on electric field induced magnetization reversal in a composite unstrained multiferroic chain. <i>Physical Review B</i> , 2012, 85, .	3.2	24
86	Spectral characteristics of time resolved magnonic spin Seebeck effect. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	24
87	Stochastic dynamics and pattern formation of geometrically confined skyrmions. <i>Communications Physics</i> , 2019, 2, .	5.3	24
88	Secondary-electron emission mechanism of LiF film by $(e,2e)$ spectroscopy. <i>Surface Science</i> , 2004, 548, 187-199.	1.9	23
89	Charge-transfer polaron induced negative differential resistance and giant magnetoresistance in organic spin-valve systems. <i>New Journal of Physics</i> , 2006, 8, 82-82.	2.9	23
90	Enhanced Sensitivity at Magnetic High-Order Exceptional Points and Topological Energy Transfer in Magnonic Planar Waveguides. <i>Physical Review Applied</i> , 2021, 15, .	3.8	23

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91	Ultrafast build-up of polarization in mesoscopic rings. <i>Europhysics Letters</i> , 2005, 69, 277-283.	2.0	22
92	Three-level spin system under decoherence-minimizing driving fields: Application to nitrogen-vacancy spin dynamics. <i>Physical Review A</i> , 2014, 90, .	2.5	22
93	Ultrafast coupled charge and spin dynamics in strongly correlated NiO. <i>Nature Communications</i> , 2020, 11, 4095.	12.8	22
94	Diffraction of correlated electron pairs from crystal surfaces. <i>Surface Science</i> , 2000, 470, 141-148.	1.9	21
95	Photoinduced nonequilibrium spin and charge polarization in quantum rings. <i>Physical Review B</i> , 2008, 77, .	3.2	21
96	Self-focusing and defocusing of twisted light in non-linear media. <i>Optics Express</i> , 2010, 18, 27691.	3.4	21
97	The optical tweezer of skyrmions. <i>Npj Computational Materials</i> , 2020, 6, .	8.7	21
98	Dynamical and geometrical properties of the circular dichroism in one-photon double ionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1998, 31, 3167-3180.	1.5	20
99	Magnetic and Orbital Dichroism in (e,2e) Ionization of Sodium. <i>Physical Review Letters</i> , 2001, 86, 624-627.	7.8	20
100	Steering magnetization dynamics of nanoparticles with ultrashort pulses. <i>Physical Review B</i> , 2009, 79, .	3.2	20
101	Two-particle photoemission from strongly correlated systems: A dynamical mean-field approach. <i>Physical Review B</i> , 2010, 81, .	3.2	20
102	Chiral logic computing with twisted antiferromagnetic magnon modes. <i>Npj Computational Materials</i> , 2021, 7, .	8.7	20
103	Functional all-optical logic gates for true time-domain signal processing in nonlinear photonic crystal waveguides. <i>Optics Express</i> , 2020, 28, 18317.	3.4	20
104	Electron-impact ionization of atomic hydrogen at intermediate energies. <i>Physical Review A</i> , 1997, 56, 370-377.	2.5	19
105	Tunable Conductance of Magnetic Nanowires with Structured Domain Walls. <i>Physical Review Letters</i> , 2006, 96, 047208.	7.8	19
106	Kohn-Sham potentials for fullerenes and spherical molecules. <i>Physical Review A</i> , 2010, 81, .	2.5	19
107	Piezoelectric control of the magnetic anisotropy via interface strain coupling in a composite multiferroic structure. <i>Europhysics Letters</i> , 2012, 99, 17004.	2.0	19
108	Magnetic fluctuations in topological insulators with ordered magnetic adatoms: Cr on Bi ₂ Se ₃ from first principles. <i>Physical Review B</i> , 2014, 89, .	3.2	19

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109	Single- or double-electron emission within the Keldysh nonequilibrium Green's function and Feshbach projection operator techniques. <i>Physical Review B</i> , 2015, 91, .	3.2	19
110	Creation and amplification of electromagnon solitons by electric field in nanostructured multiferroics. <i>Physical Review B</i> , 2015, 91, .	3.2	19
111	Positive and Negative Birefringence in Multiferroic Layered Metasurfaces. <i>Nano Letters</i> , 2016, 16, 7290-7294.	9.1	19
112	Oriented and aligned two-electron continua. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996, 29, 1109-1124.	1.5	18
113	Dynamical magnetoelectric effects induced by the Dzyaloshinskii-Moriya interaction in multiferroics. <i>Europhysics Letters</i> , 2009, 85, 57004.	2.0	18
114	Thermal entanglement and efficiency of the quantum Otto cycle for the $su(1,1)$ Tavis-Cummings system. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 165303.	2.1	18
115	Attosecond tracking of light absorption and refraction in fullerenes. <i>Physical Review A</i> , 2012, 86, .	2.5	18
116	Multiphonon relaxation of moderately excited carriers in Si/SiO ₂ nanocrystals. <i>Physical Review B</i> , 2012, 85, .	3.2	18
117	Magnetoelectric coupling in a ferroelectric/ferromagnetic chain revealed by ferromagnetic resonance. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	18
118	Role of exchange and kinematic in the generation of low-energy polarized electron pairs. <i>Physical Review A</i> , 1999, 59, R4109-R4112.	2.5	17
119	The ejection of a correlated electron pair from a quantum dot. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 1-9.	1.5	17
120	Influence of a periodic magnetic field and spin-polarized current on the magnetic dynamics of a monodomain ferromagnet. <i>Physical Review B</i> , 2008, 78, .	3.2	17
121	Localized magnetic states in biased bilayer and trilayer graphene. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 182002.	1.8	17
122	Electrically controlled persistent spin currents at the interface of multiferroic oxides. <i>Physical Review B</i> , 2009, 80, .	3.2	17
123	Tunneling anisotropic magnetoresistance of helimagnet tunnel junctions. <i>Physical Review B</i> , 2010, 81, .	3.2	17
124	Propensity for distinguishing two free electrons with equal energies in electron-impact ionization of helium. <i>Physical Review A</i> , 2015, 92, .	2.5	17
125	Electromagnetically controlled multiferroic thermal diode. <i>Physical Review B</i> , 2015, 92, .	3.2	17
126	An improved Born approximation for the electron impact ionization of atomic hydrogen. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1990, 16, 91-96.	1.0	16

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127	Energy-Exchange Effects in Few-Particle Coulomb Scattering. <i>Physical Review Letters</i> , 1997, 78, 2712-2715.	7.8	16
128	What can we learn from double-electron emission by one circularly polarized photon?. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999, 32, L27-L33.	1.5	16
129	Electrons in ferromagnets with domain walls. <i>Journal of Physics A</i> , 2003, 36, 9263-9274.	1.6	16
130	Femtosecond control of electronic motion in semiconductor double quantum wells. <i>Physical Review B</i> , 2004, 69, .	3.2	16
131	Emission spectrum of a mesoscopic ring driven by fast unipolar pulses. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 330, 113-119.	2.1	16
132	Anisotropic thermoelectric effect in helimagnetic tunnel junctions. <i>Applied Physics Letters</i> , 2011, 98, 192111.	3.3	16
133	Magnetic adatoms on graphene in the Kondo regime: An Anderson model treatment. <i>Physical Review B</i> , 2011, 84, .	3.2	16
134	Many-body localization phase in a spin-driven chiral multiferroic chain. <i>Physical Review B</i> , 2017, 96, .	3.2	16
135	Signature of three-body interactions in low-energy (e , $2e$) reactions in coplanar asymmetric energy-sharing geometry. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996, 29, 6203-6216.	1.5	15
136	Field-free charge polarization of mesoscopic rings. <i>Physical Review B</i> , 2004, 70, .	3.2	15
137	Transmission of correlated electrons through sharp domain walls in magnetic nanowires: A renormalization group approach. <i>Physical Review B</i> , 2006, 74, .	3.2	15
138	Current-induced interactions of multiple domain walls in magnetic quantum wires. <i>Physical Review B</i> , 2009, 79, .	3.2	15
139	Photovoltaic effect of light carrying orbital angular momentum on a semiconducting stripe. <i>Optics Express</i> , 2012, 20, 27792.	3.4	15
140	Nonlinear Anomalous Hall Effect and Negative Magnetoresistance in a System with Random Rashba Field. <i>Physical Review Letters</i> , 2012, 109, 206601.	7.8	15
141	Discerning on a sub-optical-wavelength the attosecond time delays in electron emission from magnetic sublevels by optical vortices. <i>Physical Review A</i> , 2016, 94, .	2.5	15
142	Incorporation of Threshold Phenomena in Three-body Coulomb Continuum Wavefunctions. <i>Australian Journal of Physics</i> , 1996, 49, 1095.	0.6	15
143	Nonlinear dynamics of two coupled nano-electromechanical resonators. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 215402.	1.5	14
144	Electron pair escape from fullerene cage via collective modes. <i>Scientific Reports</i> , 2016, 6, 24396.	3.3	14

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145	Relativistic electron vortex beams in a constant magnetic field. <i>Physical Review A</i> , 2017, 95, .	2.5	14
146	Twisting and tweezing the spin wave: on vortices, skyrmions, helical waves, and the magnonic spiral phase plate. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 124001.	2.2	14
147	Interplay of exchange and collisional ionization mechanisms in (e , $2e$) processes. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996, 29, 2289-2303.	1.5	13
148	Manifestation of Charge-Density Fluctuations in Metal Clusters: Suppression of the Ionization Channel. <i>Physical Review Letters</i> , 2001, 87, 263401.	7.8	13
149	Scattering and bound-state problems with non-local potentials: application of the variable-phase approach. <i>Journal of Physics A</i> , 2002, 35, 9413-9424.	1.6	13
150	Ultrafast control of electronic motion in quantum-well structures. <i>Applied Physics Letters</i> , 2004, 84, 2346-2348.	3.3	13
151	Laser-assisted Mott scattering in the Coulomb approximation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2004, 37, 653-663.	1.5	13
152	Pathways of polaron and bipolaron transport in DNA double strands. <i>Journal of Chemical Physics</i> , 2008, 128, 165101.	3.0	13
153	High-order harmonic generation by a driven mesoscopic ring with a localized impurity. <i>Physical Review A</i> , 2009, 79, .	2.5	13
154	Photo-induced spin filtering in a double quantum dot. <i>Applied Physics Letters</i> , 2011, 99, 192101.	3.3	13
155	Electron pair emission from a highly correlated material. <i>Physical Review B</i> , 2012, 86, .	3.2	13
156	Thermally induced magnonic spin current, thermomagnonic torques, and domain-wall dynamics in the presence of Dzyaloshinskii-Moriya interaction. <i>Physical Review B</i> , 2016, 94, .	3.2	13
157	Multipolar, polarization-shaped high-order harmonic generation by intense vector beams. <i>Physical Review A</i> , 2020, 101, .	2.5	13
158	Transmission, reflection, and resonance formation in one-dimensional systems. <i>Physical Review A</i> , 2005, 71, .	2.5	12
159	Spin-dependent pump current and noise in an adiabatic quantum pump based on domain walls in a magnetic nanowire. <i>Physical Review B</i> , 2010, 81, .	3.2	12
160	Thermally assisted skyrmion drag in a nonuniform electric field. <i>Physical Review B</i> , 2019, 99, .	3.2	12
161	Magnetoelectric response of quantum structures driven by optical vector beams. <i>Physical Review B</i> , 2019, 99, .	3.2	12
162	Generation, electric detection, and orbital-angular momentum tunneling of twisted magnons. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	12

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163	Mechanisms of electronic excitations by low-energy positrons: From finite to extended electronic systems. Nuclear Instruments & Methods in Physics Research B, 2000, 171, 204-218.	1.4	11
164	Ionization of one-electron atoms and ions upon charged-particle impact assisted by a laser field. Journal of Electron Spectroscopy and Related Phenomena, 2007, 161, 188-190.	1.7	11
165	Magnetotransport of Dirac fermions in graphene in the presence of spin-orbit interactions. Journal of Physics Condensed Matter, 2008, 20, 345228.	1.8	11
166	Spin-orbit-coupled quantum memory of a double quantum dot. Physical Review B, 2019, 100, .	3.2	11
167	High-Fidelity Magnonic Gates for Surface Spin Waves. Physical Review Applied, 2019, 12, .	3.8	11
168	Influence of spin-orbit and spin-Hall effects on the spin-Seebeck current beyond linear response: A Fokker-Planck approach. Physical Review B, 2019, 99, .	3.2	11
169	Spin-polarized ($e,2e$) spectroscopy of ferromagnetic iron. Surface Science, 2001, 482-485, 1015-1020.	1.9	10
170	Nonequilibrium charge dynamics of light-driven rings threaded by a magnetic flux. Europhysics Letters, 2007, 78, 57001.	2.0	10
171	Decay of Hybridized Electronic States of a Na Cluster on Cu(001). Physical Review Letters, 2008, 100, 116103.	7.8	10
172	Berry-curvature-mediated valley-Hall and charge-Hall effects in graphene via strain engineering. Physical Review B, 2011, 84, .	3.2	10
173	Accessing electronic correlations by half-cycle pulses and time-resolved spectroscopy. Physical Review A, 2014, 90, .	2.5	10
174	Disentangling multipole contributions to collective excitations in fullerenes. Physical Review A, 2015, 92, .	2.5	10
175	Magnon-driven longitudinal spin Seebeck effect in $\langle \mathbf{m} \rangle$ and $\langle \mathbf{N} \rangle$ structures: Role of asymmetric in-plane magnetic anisotropy. Journal of Magnetism and Magnetic Materials, 2016, 324, 100-105.	2.3	10
176	Femtosecond dynamics of correlated many-body states in C_{60} fullerenes. New Journal of Physics, 2016, 18, 113055.	2.9	10
177	Swift thermal steering of domain walls in ferromagnetic MnBi stripes. Scientific Reports, 2016, 6, 24411.	3.3	10
178	Conversion of electronic to magnonic spin current at a heavy-metal magnetic-insulator interface. Physical Review B, 2017, 95, .	3.2	10
179	Thermoelastic enhancement of the magnonic spin Seebeck effect in thin films and bulk samples. Physical Review B, 2018, 97, .	3.2	10
180	Electrons in intense laser fields with local phase, polarization, and skyrmionic textures. Physical Review A, 2020, 102, .	2.5	10

#	ARTICLE	IF	CITATIONS
181	Nondestructive ultrafast steering of a magnetic vortex by terahertz pulses. NPG Asia Materials, 2020, 12, .	7.9	10
182	Generation of coherence in an exactly solvable nonlinear nanomechanical system. Physical Review B, 2020, 101, .	3.2	10
183	Three-body coupling in electron-hydrogen ionizing collisions. Physical Review A, 1997, 55, 800-803.	2.5	9
184	Multi-electron emission from fullerenes upon a single photon absorption. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, L321-L328.	1.5	9
185	Laser-assisted positron-impact ionization of atomic hydrogen. Optics Letters, 2007, 32, 585.	3.3	9
186	On the validity of the vakonomic model and the chetaev model for constraint dynamical systems. Reports on Mathematical Physics, 2007, 60, 107-116.	0.8	9
187	Polarized light bursts from kicked quantum rings. Physical Review A, 2008, 78, .	2.5	9
188	Charge and spin Hall effect in graphene with magnetic impurities. Europhysics Letters, 2009, 88, 58001.	2.0	9
189	Proposal for fast optical control of spin dynamics in a quantum wire. Physical Review B, 2010, 82, .	3.2	9
190	Magnetotransport in an impurity-doped few-layer graphene spin valve. Physical Review B, 2010, 82, .	3.2	9
191	Initial stage of quasiparticle decay in fermionic systems. Physical Review B, 2013, 87, .	3.2	9
192	On the superparamagnetic size limit of nanoparticles on a ferroelectric substrate. Journal Physics D: Applied Physics, 2014, 47, 155302.	2.8	9
193	Energy-loss spectroscopy of C_{60} fullerenes with twisted electrons: Influence of orbital-angular-momentum transfer on plasmon generation. Physical Review A, 2016, 94, .	2.5	9
194	Ultrafast imprinting of topologically protected magnetic textures via pulsed electrons. Applied Physics Letters, 2017, 111, .	3.3	9
195	Dynamic Double-Slit Experiment in a Single Atom. Physical Review Letters, 2019, 122, 053204.	7.8	9
196	Magnetism of a four-center transition-metal cluster revisited. Physical Review B, 2017, 96, .	3.2	9
197	Light-Induced Magnetization at the Nanoscale. Physical Review Letters, 2022, 128, 157205.	7.8	9
198	Dichroism in the electron-impact ionization of excited and oriented sodium atoms. Physical Review A, 2000, 62, .	2.5	8

#	ARTICLE	IF	CITATIONS
199	Double photoemission from the surface state of Cu(). Surface Science, 2002, 507-510, 229-233.	1.9	8
200	Signature of electronic correlation in multi-electron emission from C60. Chemical Physics Letters, 2005, 410, 293-297.	2.6	8
201	Electron pair emission from a Cu(111) surface upon photon absorption. Physical Review B, 2008, 77, .	3.2	8
202	A generalization of the Chetaev condition for nonlinear nonholonomic constraints: The velocity-determined virtual displacement approach. Reports on Mathematical Physics, 2009, 63, 179-189.	0.8	8
203	Time-dependent magnetotransport in a driven graphene spin valve. Physical Review B, 2011, 84, .	3.2	8
204	Thermoelectric effect of multiferroic oxide interfaces. Applied Physics Letters, 2011, 98, 042110.	3.3	8
205	Plasmon-assisted electron-electron collisions at metallic surfaces. Physical Review A, 2012, 85, .	2.5	8
206	Fast computations of the dielectric response of systems with spherical or axial symmetry. Physical Review B, 2012, 85, .	3.2	8
207	Anomalous Nernst effect in strained graphene coupled to a substrate inducing a time-reversal symmetry breaking. New Journal of Physics, 2013, 15, 073028.	2.9	8
208	Time evolution of excitations in normal Fermi liquids. Physical Review B, 2013, 87, .	3.2	8
209	Angular dependence of ferromagnetic resonance as indicator of the nature of magnetoelectric coupling in ferromagnetic-ferroelectric heterostructures. Physical Review B, 2014, 90, .	3.2	8
210	Ultrafast optically induced resonant and non-resonant current generation in atoms and nanostructures: role of the photons orbital angular momentum. Journal of Modern Optics, 2017, 64, 1088-1095.	1.3	8
211	Nanostructures in structured light: Photoinduced spin and orbital electron dynamics. Physical Review B, 2020, 101, .	3.2	8
212	Oxygen adsorption on W(001) studied by low energy (e,2e) spectroscopy. European Physical Journal Special Topics, 1999, 09, Pr6-137-Pr6-143.	0.2	8
213	Theory of soliton propagation in nonlinear photonic crystal waveguides. Optics Express, 2019, 27, 29558.	3.4	8
214	Topological light fields for highly non-linear charge quantum dynamics and high harmonic generation. Optics Express, 2020, 28, 19469.	3.4	8
215	Orientational dichroism in (e,2e) reactions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1994, 27, L401-L405.	1.5	7
216	Double-ionization mechanisms and asymmetry parameters for (e,3e-1e) reactions. Physical Review A, 1996, 53, 2281-2288.	2.5	7

#	ARTICLE	IF	CITATIONS
217	Theory of electron-pair emission from random alloys. <i>Physical Review B</i> , 2002, 66, .	3.2	7
218	Excitation spectra of free fullerene clusters. <i>Surface Science</i> , 2002, 507-510, 662-665.	1.9	7
219	Two-photon-driven nonlinear dynamics and entanglement of an atom in a nonuniform cavity. <i>Physical Review A</i> , 2011, 84, .	2.5	7
220	Magnetic dynamics driven by the spin current generated via the spin Seebeck effect. <i>Physical Review B</i> , 2011, 83, .	3.2	7
221	Spin-density waves and domain wall interactions in nanowires. <i>Physical Review B</i> , 2011, 83, .	3.2	7
222	Reflection and transmission of twisted light at phase conjugating interfaces. <i>Optics Express</i> , 2012, 20, 1301.	3.4	7
223	Nonlinear magneto-optical response to light carrying orbital angular momentum. <i>Journal of Optics (United Kingdom)</i> , 2014, 16, 125201.	2.2	7
224	Efficient thermal energy harvesting using nanoscale magnetoelectric heterostructures. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	7
225	Ultrafast transient dynamics in composite multiferroics. <i>New Journal of Physics</i> , 2016, 18, 023002.	2.9	7
226	Size-dependent frequency bands in the ferromagnetic resonance of a Fe-nanocube. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 438, 70-75.	2.3	7
227	Tunable high harmonic pulses from nanorings swirled by optical vortices. <i>Optics Express</i> , 2017, 25, 27857.	3.4	7
228	Charge and spin currents in graphene generated by tailored light with orbital angular momentum. <i>Applied Physics Letters</i> , 2018, 112, 231102.	3.3	7
229	Electric steering of spin excitation in nanostructured synthetic antiferromagnet. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	7
230	Emergent magnonic singularities in anti parity-time symmetric synthetic antiferromagnets. <i>New Journal of Physics</i> , 2022, 24, 023031.	2.9	7
231	Nanostructured Spintronic Emitters for Polarization-Textured and Chiral Broadband THz Fields. <i>ACS Photonics</i> , 2022, 9, 1248-1255.	6.6	7
232	Multiple-excitation pathways in a four-charged-particle system: A Green-function analysis. <i>Physical Review A</i> , 2000, 63, .	2.5	6
233	Aharonov-Anandan phase and the quasistationarity of driven quantum systems. <i>Europhysics Letters</i> , 2005, 71, 705-711.	2.0	6
234	Role of a spin-flip scatterer in a magnetized Luttinger liquid. <i>Physical Review B</i> , 2007, 76, .	3.2	6

#	ARTICLE	IF	CITATIONS
235	Bulk- and surface-state two-electron photoemission from Cu(111). Journal of Electron Spectroscopy and Related Phenomena, 2007, 161, 125-127.	1.7	6
236	Electromagnetic pulse-driven spin-dependent currents in semiconductor quantum rings. Journal of Physics Condensed Matter, 2009, 21, 145801.	1.8	6
237	Magnetotransport and spin dynamics in an electron gas formed at oxide interfaces. Physical Review B, 2011, 83, .	3.2	6
238	A theoretical analysis of the spin dynamics of magnetic adatoms traced by time-resolved scanning tunneling spectroscopy. New Journal of Physics, 2012, 14, 043027.	2.9	6
239	Dipole-Dipole Interaction in Arrays of Fe/Fe _x O _y Core/Shell Nanocubes Probed by Ferromagnetic Resonance. IEEE Transactions on Magnetics, 2014, 50, 1-9.	2.1	6
240	Influence of dipole-dipole interactions on the angular dependence of ferromagnetic resonance spectra in arrays of Fe/Fe _x O _y core/shell nanocubes. European Physical Journal B, 2015, 88, 1.	1.5	6
241	Accelerating, guiding, and sub-wavelength trapping of neutral atoms with tailored optical vortices. Annalen Der Physik, 2017, 529, 1600379.	2.4	6
242	Strain and Thermally Induced Magnetic Dynamics and Spin Current in Magnetic Insulators Subject to Transient Optical Grating. Frontiers in Materials, 2017, 4, .	2.4	6
243	All-optical generation and ultrafast tuning of non-linear spin Hall current. Scientific Reports, 2018, 8, 17102.	3.3	6
244	Conduction of surface electrons in a topological insulator with spatially random magnetization. Physical Review B, 2019, 100, .	3.2	6
245	Rotating edge-field driven processing of chiral spin textures in racetrack devices. Scientific Reports, 2020, 10, 20400.	3.3	6
246	Controlled Vortex Formation at Nanostructured Superconductor/Ferromagnetic Junctions. Physica Status Solidi (B): Basic Research, 2020, 257, 1900709.	1.5	6
247	Band-Gap Solitons in Nonlinear Photonic Crystal Waveguides and Their Application for Functional All-Optical Logic Gating. Photonics, 2021, 8, 250.	2.0	6
248	Electronic correlation studied by neutron scattering. Journal of Physics B: Atomic, Molecular and Optical Physics, 2002, 35, L31-L36.	1.5	5
249	Emission of correlated electrons from random alloys. Journal of Physics Condensed Matter, 2003, 15, L41-L47.	1.8	5
250	Comment on "Role of the Ground State in Electron-Atom Double Ionization"; Physical Review Letters, 2004, 92, 149301; author reply 149302.	7.8	5
251	Multiple ionization of the fullerene by a single photon. Computational Materials Science, 2006, 35, 354-358.	3.0	5
252	Geometric origin of dynamically induced freezing of quantum evolution. Physical Review A, 2006, 73, .	2.5	5

#	ARTICLE	IF	CITATIONS
253	Mechanisms of superconductivity studied by two-particle emission. Journal of Electron Spectroscopy and Related Phenomena, 2007, 161, 121-124.	1.7	5
254	Influence of field orientation on the magnetization dynamics of nanoparticles. Applied Physics A: Materials Science and Processing, 2010, 98, 837-842.	2.3	5
255	Dynamic switching of the magnetization in a driven molecular nanomagnet. Journal of Physics Condensed Matter, 2010, 22, 036002.	1.8	5
256	Finite-size effects on the magnetoelectric response of field-driven ferroelectric/ferromagnetic chains. Journal of Physics: Conference Series, 2011, 303, 012061.	0.4	5
257	Steering Magnetization with Electric Fields in a Composite Multi-Ferroic Chain. Ferroelectrics, 2012, 428, 109-115.	0.6	5
258	Electric-field control of electromagnon propagation and spin-wave injection in a spiral multiferroic/ferromagnet composite. Journal of Applied Physics, 2015, 117, .	2.5	5
259	Ultrafast dynamics of indirect exchange interaction and transient spin current generation in a two-dimensional electron gas. Physical Review B, 2017, 95, .	3.2	5
260	Thermal emergence of laser-induced spin dynamics for a Ni_4 cluster. Physical Review B, 2018, 97, .	3.2	5
261	Open-Circuit Ultrafast Generation of Nanoscopic Toroidal Moments: The Swift Phase Generator. Advanced Quantum Technologies, 2019, 2, 1800096.	3.9	5
262	Nanoscale Near-Field Steering of Magnetic Vortices. Physical Review Applied, 2021, 16, .	3.8	5
263	Emission Spectrum of an Electron in a Double Quantum Well Driven by Ultrashort Half-Cycle Pulses. Physica Scripta, 2005, , 241.	2.5	5
264	A comparative study on the spin asymmetry and integrated cross sections for the electron-impact ionization of atomic hydrogen. Zeitschrift Für Physik D-Atoms Molecules and Clusters, 1997, 39, 41-48.	1.0	4
265	Quantum size and correlation effects in the double excitation spectrum of a quantum dot. Surface Science, 2001, 482-485, 618-624.	1.9	4
266	On the exchange-dependent electronic collisions in ferromagnets. Nuclear Instruments & Methods in Physics Research B, 2002, 193, 609-615.	1.4	4
267	CURRENT-INDUCED SPIN TORQUE ON A DOMAIN WALL IN A MAGNETIC NANOWIRE. International Journal of Modern Physics B, 2007, 21, 1659-1663.	2.0	4
268	Appell-Chamel dynamical system: a nonlinear test of the Chetaev and the vakonomic model. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2007, 87, 692-697.	1.6	4
269	Stochastic dynamics and control of a driven nonlinear spin chain: the role of Arnold diffusion. Journal of Physics Condensed Matter, 2009, 21, 356001.	1.8	4
270	Magnetization reversal by a single pulse of magnetic field or spin-polarized current. Journal of Magnetism and Magnetic Materials, 2010, 322, 1373-1376.	2.3	4

#	ARTICLE	IF	CITATIONS
271	Spin and charge transport through non-collinear magnetic nanowires. Journal of Magnetism and Magnetic Materials, 2010, 322, 1419-1421.	2.3	4
272	Coupled spin-phonon excitations in helical multiferroics. Physica Status Solidi (B): Basic Research, 2010, 247, 662-664.	1.5	4
273	Photoinduced nonequilibrium spin, charge polarizations and spin-dependent current in quantum rings. Physica Status Solidi (B): Basic Research, 2010, 247, 641-643.	1.5	4
274	Stochastic heating of a molecular nanomagnet. Physical Review B, 2010, 82, .	3.2	4
275	Topological view on magnetic adatoms in graphene. Physical Review B, 2011, 83, .	3.2	4
276	Semi-classical approximation for second-harmonic generation in nanoparticles. New Journal of Physics, 2012, 14, 093044.	2.9	4
277	Electric Field Effects on the Thermodynamics of Multiferroic Chains. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2679-2681.	1.8	4
278	Tunable anisotropic magnetoelectric effect in helimagnetic tunnel junctions with interface Rashba spin-orbit interaction. Applied Physics Letters, 2013, 103, .	3.3	4
279	Electron repulsion integrals for self-energy calculations. Computer Physics Communications, 2013, 184, 387-395.	7.5	4
280	Landau-Zener tunneling in multiferroic composites. New Journal of Physics, 2015, 17, 013030.	2.9	4
281	Giant spin-orbit torque and spin current generation in carriers at oxide interfaces. New Journal of Physics, 2016, 18, 093034.	2.9	4
282	Supercurrent Induced by Chiral Coupling in Multiferroic/Superconductor Nanostructures. Nanomaterials, 2021, 11, 184.	4.1	4
283	Photonic Signatures of Spin-Driven Ferroelectricity in Multiferroic Dielectric Oxides. Physical Review Letters, 2021, 127, 127601.	7.8	4
284	Dichroism in (e,2e) ionizing collisions with laser-oriented sodium atoms. Journal of Electron Spectroscopy and Related Phenomena, 1998, 88-91, 59-64.	1.7	3
285	Polarization, correlation, and distortion effects in excitation processes. Physical Review A, 1998, 58, R1641-R1644.	2.5	3
286	Cluster expansion of the many-body Green operator. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 277, 35-41.	2.1	3
287	Orbital and spin-polarization transfer in ionizing electron-atom collisions. Physical Review A, 2001, 64, .	2.5	3
288	Ion-induced electron emission from surfaces: Dynamical screening effects. Physical Review A, 2003, 68, .	2.5	3

#	ARTICLE	IF	CITATIONS
289	Photoinduced indirect transitions and ultrafast direct current generation in unbiased superlattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 356, 255-261.	2.1	3
290	Spectroscopy of electron correlations in superconductors. <i>Philosophical Magazine</i> , 2006, 86, 2623-2630.	1.6	3
291	A Lagrangian Formalism Based on the Velocity-Determined Virtual Displacements for Systems with Nonholonomic Constraints. <i>International Journal of Theoretical Physics</i> , 2008, 47, 732-740.	1.2	3
292	Transport properties of an interacting quantum dot with a non-uniform magnetization. <i>Europhysics Letters</i> , 2008, 83, 57003.	2.0	3
293	Stochastic switching and dynamical freezing in nonlinear spin systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 231-237.	2.1	3
294	Role of noncollinear magnetization: From ferromagnetic nanowires to quantum rings. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2603-2609.	1.5	3
295	Ultrafast control of inelastic tunneling in a double semiconductor quantum well. <i>Applied Physics Letters</i> , 2010, 97, 172103.	3.3	3
296	(e,2e) experiments on C_{60} . <i>Journal of Physics: Conference Series</i> , 2011, 288, 012006.	0.4	3
297	Indirect interaction of magnetic domain walls. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011, 5, 450-452.	2.4	3
298	Chaotic dynamics and spin correlation functions in a chain of nanomagnets. <i>Physical Review B</i> , 2011, 83, .	3.2	3
299	Traces of the evolution from Mott insulator to a band insulator in the pair excitation spectra. <i>European Physical Journal B</i> , 2012, 85, 1.	1.5	3
300	Local Ionization Dynamics Traced by Photoassisted Scanning Tunneling Microscopy: A Theoretical Approach. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1131-1135.	4.6	3
301	Nuclear-wave-packet dynamics mapped out by two-center interference in the HeH_2^+ molecule. <i>Physical Review A</i> , 2014, 89, .	2.5	3
302	Topological insulator in a helicoidal magnetization field. <i>Physical Review B</i> , 2016, 94, .	3.2	3
303	Kinetics of nanosize ferroelectrics. <i>Physical Review B</i> , 2016, 94, .	3.2	3
304	Elastic versus inelastic spin-polarized electron scattering from a ferromagnetic surface. <i>Physical Review B</i> , 2016, 94, .	3.2	3
305	Electrically driven magnetic antenna based on multiferroic composites. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 095804.	1.8	3
306	Entanglement dynamics of two nitrogen vacancy centers coupled by a nanomechanical resonator. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 055007.	1.5	3

#	ARTICLE	IF	CITATIONS
307	Functionalizing Fe adatoms on Cu(001) as a nanoelectromechanical system. <i>New Journal of Physics</i> , 2017, 19, 073016.	2.9	3
308	Gate-controlled magnon-assisted switching of magnetization in ferroelectric/ferromagnetic junctions. <i>Physical Review B</i> , 2017, 96, .	3.2	3
309	Element specific hysteresis of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ – SrRuO_3 (LSMO-SRO) heterostructures. <i>APL Materials</i> , 2018, 6, 076103.	5.1	3
310	Entanglement balance of quantum scattering processes. <i>Physical Review A</i> , 2019, 100, .	2.5	3
311	Local and Non-Local Invasive Measurements on Two Quantum Spins Coupled via Nanomechanical Oscillations. <i>Symmetry</i> , 2020, 12, 1078.	2.2	3
312	Stratonovich-Ito integration scheme in ultrafast spin caloritronics. <i>Physical Review B</i> , 2020, 102, .	3.2	3
313	Quantum teleportation by utilizing helical spin chains for sharing entanglement. <i>Quantum Information Processing</i> , 2021, 20, 1.	2.2	3
314	Structures in the cross section of double ionisation of helium by the impact of fast charged particles. <i>European Physical Journal Special Topics</i> , 1993, 03, C6-135-C6-143.	0.2	3
315	Generation of open-circuit spin current on GHz scale in structured Pt/YIG by electric fields. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 495005.	2.8	3
316	Strain Designed Magnetic Properties of III-V Magnetic Semiconductors. <i>Acta Physica Polonica A</i> , 2015, 128, 219-221.	0.5	3
317	Thickness-dependent slow light gap solitons in three-dimensional coupled photonic crystal waveguides. <i>Optics Letters</i> , 2022, 47, 2794.	3.3	3
318	Single ionization of one- and two-electron atomic systems by electron impact. <i>Physical Review A</i> , 1996, 54, 5431-5434.	2.5	2
319	Spin-dependent correlated electron emission from ordered and disordered materials. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 233, 125-131.	1.4	2
320	Two-electron photoemission from polarized atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 23-42.	1.5	2
321	Ultrafast Dynamics of Nano and Mesoscopic Systems Driven by Asymmetric Electromagnetic Pulses. , 2006, , .		2
322	Dynamics of dipolar molecular chains: from low excitations to soliton formation and classical chaotic dynamics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, 3757-3774.	1.5	2
323	Interplay of electronic, magnetic and structural properties of surface-supported clusters. <i>European Physical Journal D</i> , 2007, 45, 547-551.	1.3	2
324	Driven Nonlinear Dynamics of Magnetic Nanostructures: A Semiclassical Perspective. <i>Journal of Computational and Theoretical Nanoscience</i> , 2010, 7, 2430-2440.	0.4	2

#	ARTICLE	IF	CITATIONS
325	Negative differential magnetoresistance in ferromagnetic wires with domain walls. <i>Physical Review B</i> , 2012, 86, .	3.2	2
326	Chaotic spin-dependent electron dynamics in a field-driven double dot potential. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 377, 69-72.	2.1	2
327	Thermally activated in-plane magnetization rotation induced by spin torque. <i>Journal of Applied Physics</i> , 2013, 114, 123906.	2.5	2
328	Generation and coherent control of pure spin currents via terahertz pulses. <i>Applied Physics Letters</i> , 2014, 104, 162409.	3.3	2
329	Coercivity reduction in a two-dimensional array of nano-particles. <i>European Physical Journal B</i> , 2014, 87, 1.	1.5	2
330	Ferroelectric control of anisotropic damping in multiferroic tunnel junctions. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	2
331	Electric control of emergent magnonic spin current and dynamic multiferroicity in magnetic insulators at finite temperatures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 1100-1107.	2.1	2
332	Anomalous Hall and Nernst Effects in 2D Systems: Role of Cubic Rashba Spin-Orbit Coupling. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1800232.	2.4	2
333	Spin active split-ring resonator for THz high harmonic generation. <i>European Physical Journal B</i> , 2018, 91, 1.	1.5	2
334	Time-resolved buildup of two-slit-type interference from a single atom. <i>Physical Review A</i> , 2019, 100, .	2.5	2
335	Light absorption and pseudospin density generation in graphene nanoribbons. <i>Physical Review B</i> , 2019, 100, .	3.2	2
336	Imaging Momentum-Space Two-Particle Correlations at Surfaces. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900636.	1.5	2
337	Spatiotemporal delay in photoionization by polarization-structured laser fields. <i>Physical Review A</i> , 2021, 103, .	2.5	2
338	Imprinting photon orbital angular momentum during laser-assisted photoemission from quantum wells. <i>Optics Letters</i> , 2020, 45, 5970.	3.3	2
339	Ultrafast entanglement switching and singlet-triplet transitions control via structured terahertz pulses. <i>New Journal of Physics</i> , 2022, 24, 043016.	2.9	2
340	Vortex Ring and Helical Current Formation in Superconductors Driven by a THz-Field-Induced Toroidal Vector Potential. <i>Physica Status Solidi (B): Basic Research</i> , 0, , 2100622.	1.5	2
341	The orientational dichroism in (e, 2e) collisions: interplay between geometrical and dynamical effects. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999, 32, 3965-3972.	1.5	1
342	The emission of correlated electrons from surfaces. <i>Applied Physics A: Materials Science and Processing</i> , 1999, 69, 497-501.	2.3	1

#	ARTICLE	IF	CITATIONS
343	SCATTERING PATH FORMALISM FOR THE PROPAGATION OF INTERACTING COMPOUNDS IN ORDERED AND DISORDERED MATERIALS. <i>Surface Review and Letters</i> , 2000, 07, 205-210.	1.1	1
344	Double photoemission studies at metal surfaces. <i>AIP Conference Proceedings</i> , 2002, , .	0.4	1
345	Recent progress in chirality studies of non-relativistic, few interacting particle systems. <i>European Physical Journal D</i> , 2002, 52, C479-C488.	0.4	1
346	Ultrafast control of electronic motion in semiconductor nano and mesoscopic structures (Invited) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>		1
347	Probing two-particle orbital orientation of bound states. <i>Europhysics Letters</i> , 2005, 70, 81-87.	2.0	1
348	Mapping the electron-electron interaction in gas phase C60. <i>Philosophical Magazine</i> , 2006, 86, 2529-2536.	1.6	1
349	Model calculations of photoemission from a surface-deposited fullerene monolayer. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, 4617-4624.	1.5	1
350	Spin transport and spin torque in a magnetic nanowire with a non-collinear magnetic order. <i>Journal of Physics: Conference Series</i> , 2007, 61, 105-109.	0.4	1
351	Spin-dependent scattering in magnetized Luttinger liquids. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 1736-1738.	2.7	1
352	Electronic correlation spectroscopy in condensed matter. <i>Journal of Physics: Conference Series</i> , 2008, 141, 012010.	0.4	1
353	Functionalization of multiferroic oxide structures for spintronic devices. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
354	Effects of non-local spin fluctuations in the orbital-selective Mott transition. <i>European Physical Journal B</i> , 2012, 85, 1.	1.5	1
355	THEORETICAL PROPOSAL FOR THE DYNAMICAL CONTROL OF THE NONLINEAR OPTICAL RESPONSE FREQUENCY. <i>Fluctuation and Noise Letters</i> , 2013, 12, 1350003.	1.5	1
356	Finite-size effects on the magnetoelectric coupling in a ferroelectric/ferromagnetic structure revealed by ferromagnetic resonance. <i>EPJ Web of Conferences</i> , 2014, 75, 09001.	0.3	1
357	Dynamics of the polarization of a pinned domain wall in a magnetic nanowire. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 235-238.	1.5	1
358	Chargeless spin current for switching and coupling of domain walls in magnetic nanowires. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 367-371.	2.1	1
359	Optomagnetism and ultrafast spintronics via optical vortices. , 2016, , .		1
360	Radiation characteristics of nanoscopic structures driven by perfect optical vortex pulse. <i>Optics Communications</i> , 2018, 427, 390-395.	2.1	1

#	ARTICLE	IF	CITATIONS
361	Time-resolved buildup of twisted indirect exchange interaction in two-dimensional systems. <i>Physical Review B</i> , 2019, 99, .	3.2	1
362	Effects of spin-dependent electronic correlations on surface states in topological insulators. <i>Physical Review B</i> , 2019, 100, .	3.2	1
363	Magnonic Magnetoelectric Coupling in Ferroelectric/Ferromagnetic Composites. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900750.	1.5	1
364	Spin-Resolved Quantum Scars in Confined Spin-Coupled Two-Dimensional Electron Gas. <i>Nanomaterials</i> , 2021, 11, 1258.	4.1	1
365	Photoelectron emission via time and phase-tailored electromagnetic fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2021, 54, 124001.	1.5	1
366	On the Role of Screening in Metallic Clusters. , 2001, , 395-403.		1
367	Circular Dichroism in Double-Photoionization of Helium Studied by Electron Time-Of-Flight Coincidence Spectroscopy. , 1997, , 145-153.		1
368	From Chaos to Many-body Localization: Some Introductory Notes. <i>Acta Physica Polonica A</i> , 2019, 135, 1155-1162.	0.5	1
369	Double-Electron Photoemission from Surfaces. , 2001, , 461-470.		1
370	Directional scrambling of quantum information in helical multiferroics. <i>Physical Review B</i> , 2021, 104, .	3.2	1
371	Analytical approaches to the fragmentation of few-body Coulomb systems. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999, 154, 25-31.	1.4	0
372	Correlation effects in the (e, 2e) process on C60. <i>Physics of the Solid State</i> , 2002, 44, 596-597.	0.6	0
373	Magnetoresistance due to domain walls in semiconducting magnetic nanostructures. <i>Materials Science and Engineering C</i> , 2005, 25, 705-709.	7.3	0
374	Ultrafast charge current generation and control in low-dimensional electronic systems. , 2005, , .		0
375	Spin accumulation, spin currents, and torque, in the problem of motion of a sharp domain wall in magnetic nanowires. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 193-196.	1.5	0
376	Resonant transmission through a double domain wall in magnetic nanowires. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 126, 254-257.	3.5	0
377	Spin transport in magnetic nanowires with domain walls. , 2007, , 311-332.		0
378	On the constraint problems of sleigh. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2009, 89, 850-856.	1.6	0

#	ARTICLE	IF	CITATIONS
379	Geometric rearrangement of adsorbate driven by the charge transfer. Physica Status Solidi (B): Basic Research, 2010, 247, 1056-1062.	1.5	0
380	(e,2e) experiments on C60. Journal of Physics: Conference Series, 2012, 388, 052059.	0.4	0
381	Spin-orbital phase synchronization in the magnetic field-driven electron dynamics in a double-well potential. Journal of Physics Condensed Matter, 2012, 24, 255302.	1.8	0
382	Reply to "Comment on "Time-dependent magnetotransport in a driven graphene spin valve": Physical Review B, 2013, 87, .	3.2	0
383	(e,2e) and ($\hat{I}^3,2e$) experiments on C ₆₀ . Journal of Physics: Conference Series, 2014, 488, 022018.	0.4	0
384	Ionization of Laser Oriented Sodium Atoms by Polarized Electrons. , 2001, , 15-25.		0
385	Theory of Electron- and Photon-Induced Two-Electron Emission from Surfaces. , 2001, , 435-449.		0
386	The Effect of Confinement in Double Photoemission. , 2001, , 481-491.		0
387	A Geometric Approach to Correlated Systems. , 2002, , 181-192.		0
388	Multiband Effective Mass Theory for Si Quantum Dots. , 2006, , 1161-1164.		0
389	Charge and Spin Transport in Magnetic Nanowires. , 0, , .		0
390	Arbitrary charged particle-impact ionisation of H and He: Scaling properties of cross sections. , 1993, , 131-144.		0
391	Analysis of Integrated Cross Sections and Spin Asymmetries for the Electron-Impact Ionization of One- and Two-Electron Atomic Systems. , 1997, , 65-69.		0
392	Ionization Dynamics and Exchange Effects in Pure Three-Body Coulomb Scattering. , 1997, , 57-63.		0
393	An Analytical Approach to Resonant and Direct Fragmentation of Many-Body Coulomb Systems. , 1997, , 45-55.		0
394	Electron-Pair Emission from Solids and Clean Surfaces Upon Electron and Photon Impact. , 1999, , 309-313.		0
395	Geometrical and dynamical aspects of the correlated electron pair emission from ordered materials. European Physical Journal Special Topics, 1999, 09, Pr6-133-Pr6-136.	0.2	0
396	Strain Designed Magnetic Properties of III-V Magnetic Semiconductors. Acta Physica Polonica A, 2015, 128, 218-221.	0.5	0

#	ARTICLE	IF	CITATIONS
397	10.1063/1.4991521.1., 2017,, .		0
398	Full-Wave Formalism for Soliton Propagation in Nonlinear Photonic Crystals. , 2020, , .		0
399	Vortex Ring and Helical Current Formation in Superconductors Driven by a THz-Field-Induced Toroidal Vector Potential. Physica Status Solidi (B): Basic Research, 2022, 259, .	1.5	0