

# Guo-Hui Ding

## List of Publications by Year in descending order

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32  
papers

270  
citations

1163117

8  
h-index

940533

16  
g-index

32  
all docs

32  
docs citations

32  
times ranked

239  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fano resonance in electron transport through parallel double quantum dots in the Kondo regime. Physical Review B, 2005, 71, .	3.2	80
2	Shot noise in out-of equilibrium resonant tunneling through an Anderson impurity. Physical Review B, 1997, 56, R15521-R15524.	3.2	30
3	Persistent current in a mesoscopic ring coupled with a quantum dot. Physical Review B, 2003, 67, .	3.2	21
4	Resonance-enhanced optical annealing of silicon nanowires. Physical Review B, 2005, 71, .	3.2	21
5	Spin-orbit coupling effect on persistent currents in a one-dimensional quantum ring with an Anderson impurity. Physical Review B, 2007, 76, .	3.2	20
6	The enhanced optical conductivity for zigzag-edge graphene nanoribbons with applied gate voltage. Applied Physics Letters, 2012, 100, 103101.	3.3	11
7	Finite-frequency current fluctuations and self-consistent perturbation theory for electron transport through a quantum dot. Physical Review B, 2013, 87, .	3.2	10
8	Quantum phase transition and underscreened Kondo effect in electron transport through parallel double quantum dots. Journal of Physics Condensed Matter, 2009, 21, 455303.	1.8	9
9	Spin-polarized electron transport through graphene nanoribbon with zigzag edges. Journal of Physics Condensed Matter, 2011, 23, 205304.	1.8	8
10	Negative differential conductance and hysteretic current switching of benzene molecular junction in a transverse electric field. Nanotechnology, 2014, 25, 465202.	2.6	8
11	Transient currents of a single molecular junction with a vibrational mode. Journal of Physics Condensed Matter, 2016, 28, 065301.	1.8	7
12	Nonspreading coherent states for the hydrogen atom. Physical Review A, 2000, 62, .	2.5	5
13	Symmetry breaking states of Bose-Einstein condensates in 1D double square well and optical lattice well. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 344, 156-163.	2.1	5
14	Electron transport through the p-n junction of zigzag graphene nanoribbon with external transverse electric fields. Journal of Applied Physics, 2011, 110, 113710.	2.5	5
15	The optical conductivity of bilayer zigzag-edge graphene nanoribbons with external transverse electric fields. Journal of Physics Condensed Matter, 2012, 24, 355302.	1.8	4
16	Current Noise and AC Response of a Back-Gated Single-Molecule Junction. IEEE Transactions on Electron Devices, 2014, 61, 1168-1174.	3.0	4
17	Phonon effects on the current noise spectra and the ac conductance of a single molecular junction. Journal of Physics Condensed Matter, 2014, 26, 305301.	1.8	4
18	Phase transition in the lattice Coulomb gas. Physical Review B, 1995, 51, 12653-12657.	3.2	3

#	ARTICLE	IF	CITATIONS
19	Gate modulation on angle-resolved photoabsorption spectra of zigzag-edge graphene nanoribbons. <i>Journal of Applied Physics</i> , 2013, 113, 103510.	2.5	3
20	Tunneling modes induced by interface states in 1D photonic crystals with single negative materials. <i>Journal of Applied Physics</i> , 2020, 127, 213104.	2.5	3
21	Liquid-Gas Transition in the Ionic System. <i>Chinese Physics Letters</i> , 1996, 13, 500-503.	3.3	2
22	Dynamical properties of phonons in the XY spin chain coupled with lattices. <i>Physical Review B</i> , 2001, 64, .	3.2	2
23	Spin interference and the Fano effect in electron transport through a mesoscopic ring side-coupled with a quantum dot. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 135301.	1.8	2
24	Charge transport and ac response under light illumination in gate-modulated DNA molecular junctions. <i>Nanotechnology</i> , 2015, 26, 205201.	2.6	2
25	On the competition between the Kondo effect and the exchange interaction in a parallel double quantum dot system. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 275301.	1.8	1
26	A discrete sine-Gordon model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 317, 107-111.	4.1	0
27	Variational Study of the Discrete sine-Gordon Model. <i>Communications in Theoretical Physics</i> , 1996, 25, 123-126.	2.5	0
28	An Impurity in One-Dimensional Interacting Fermion System. <i>Communications in Theoretical Physics</i> , 1997, 27, 293-296.	2.5	0
29	Numerical study of alternating quantum spin- chains. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 318, 414-422.	2.6	0
30	The exchange interaction effect in the scanning tunneling spectroscopy of a two-orbital Anderson impurity on metallic surface. <i>European Physical Journal B</i> , 2011, 81, 467-473.	1.5	0
31	The Edge Magnetization and Strip Phase of Graphene Quantum Dots with Long-Range Coulomb Interaction. <i>Chinese Physics Letters</i> , 2014, 31, 047303.	3.3	0
32	Thermoelectric effect in a single molecular junction with a vibrational mode. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 475302.	1.8	0