

K J Thomas

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,596
citations

686830

13
h-index

794141

19
g-index

20
all docs

20
docs citations

20
times ranked

749
citing authors

#	ARTICLE	IF	CITATIONS
1	Possible Spin Polarization in a One-Dimensional Electron Gas. <i>Physical Review Letters</i> , 1996, 77, 135-138.	2.9	657
2	Interaction effects in a one-dimensional constriction. <i>Physical Review B</i> , 1998, 58, 4846-4852.	1.1	221
3	Spin properties of low-density one-dimensional wires. <i>Physical Review B</i> , 2000, 61, R13365-R13368.	1.1	99
4	Conductance Quantization at a Half-Integer Plateau in a Symmetric GaAs Quantum Wire. <i>Science</i> , 2006, 312, 1359-1362.	6.0	85
5	Ballistic transport in one-dimensional constrictions formed in deep two-dimensional electron gases. <i>Applied Physics Letters</i> , 1995, 67, 109-111.	1.5	77
6	Fano Factor Reduction on the 0.7 Conductance Structure of a Ballistic One-Dimensional Wire. <i>Physical Review Letters</i> , 2004, 93, 116602.	2.9	75
7	Interaction Effects at Crossings of Spin-Polarized One-Dimensional Subbands. <i>Physical Review Letters</i> , 2003, 91, 136404.	2.9	73
8	Controlled wave-function mixing in strongly coupled one-dimensional wires. <i>Physical Review B</i> , 1999, 59, 12252-12255.	1.1	72
9	Incipient Formation of an Electron Lattice in a Weakly Confined Quantum Wire. <i>Physical Review Letters</i> , 2009, 102, 056804.	2.9	71
10	Spin-Incoherent Transport in Quantum Wires. <i>Physical Review Letters</i> , 2008, 101, 036801.	2.9	44
11	Row coupling in an interacting quasi-one-dimensional quantum wire investigated using transport measurements. <i>Physical Review B</i> , 2009, 80, .	1.1	40
12	Nonlinear transport in a single-mode one-dimensional electron gas. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1998, 77, 1213-1218.	0.6	20
13	Field-induced modulation of the conductance, thermoelectric power, and magnetization in ballistic coupled double quantum wires under a tilted magnetic field. <i>Physical Review B</i> , 2008, 77, .	1.1	20
14	Compressibility Measurements of Quasi-One-Dimensional Quantum Wires. <i>Physical Review Letters</i> , 2011, 107, 126801.	2.9	14
15	Spin effects in one-dimensional systems. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 164213.	0.7	9
16	Unusual conductance collapse in one-dimensional quantum structures. <i>Journal of Physics Condensed Matter</i> , 2004, 16, L279-L286.	0.7	8
17	Disorder and Interaction Effects in Quantum Wires. <i>Journal of Physics: Conference Series</i> , 2012, 376, 012018.	0.3	8
18	Hopping conduction and magnetoresistance of a GaAs/Al $\chi \times \text{Ga} > 1$	1.1	2

#	ARTICLE	IF	CITATIONS
19	Conductance quantisation in patterned gate In _{0.75} Ga _{0.25} As structures up to $6\pi^2/h$ ($2e^2/h$). Journal of Physics Condensed Matter, 2019, 31, 104002.	0.7	1
20	Characterisation of spin-incoherent transport in one dimension. Journal of Physics: Conference Series, 2009, 150, 032029.	0.3	0