Andreas K HÃ¼ttel

List of Publications by Year
in descending order

43	1,605	516710 16	289244 40
papers	citations	h-index	g-index

44	44	44	1356
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic field control of the Franck-Condon coupling of few-electron quantum states. Physical Review B, 2020, 102, .	3.2	3
2	From Transparent Conduction to Coulomb Blockade at Fixed Hole Number. Physica Status Solidi (B): Basic Research, 2020, 257, 2000253.	1.5	2
3	Quantum capacitance mediated carbon nanotube optomechanics. Nature Communications, 2020, 11, 1636.	12.8	24
4	Coulomb Blockade Spectroscopy of a MoS 2 Nanotube. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900251.	2.4	13
5	Carbon Nanotube Millikelvin Transport and Nanomechanics. Physica Status Solidi (B): Basic Research, 2019, 256, 1800517.	1.5	4
6	Shaping Electron Wave Functions in a Carbon Nanotube with a Parallel Magnetic Field. Physical Review Letters, 2019, 122, 086802.	7.8	15
7	Lab::Measurementâ€"A portable and extensible framework for controlling lab equipment and conducting measurements. Computer Physics Communications, 2019, 234, 216-222.	7.5	13
8	Quartz Tuningâ€Fork Based Carbon Nanotube Transfer into Quantum Device Geometries. Physica Status Solidi (B): Basic Research, 2018, 255, 1800118.	1.5	7
9	Nanomechanical Characterization of the Kondo Charge Dynamics in a Carbon Nanotube. Physical Review Letters, 2018, 120, 246802.	7.8	19
10	Towards carbon nanotube growth into superconducting microwave resonator geometries. Physica Status Solidi (B): Basic Research, 2016, 253, 2385-2390.	1.5	5
11	Co-sputtered MoRe thin films for carbon nanotube growth-compatible superconducting coplanar resonators. Nanotechnology, 2016, 27, 135202.	2.6	9
12	Secondary Electron Interference from Trigonal Warping in Clean Carbon Nanotubes. Physical Review Letters, 2016, 117, 166804.	7.8	11
13	Transport across a carbon nanotube quantum dot contacted with ferromagnetic leads: Experiment and nonperturbative modeling. Physical Review B, 2015, 91, .	3.2	16
14	Liquid-induced damping of mechanical feedback effects in single electron tunneling through a suspended carbon nanotube. Applied Physics Letters, 2015, 107, .	3.3	10
15	Broken SU(4) symmetry in a Kondo-correlated carbon nanotube. Physical Review B, 2015, 91, .	3.2	38
16	Thermally induced subgap features in the cotunneling spectroscopy of a carbon nanotube. New Journal of Physics, 2014, 16, 123040.	2.9	6
17	Subgap spectroscopy of thermally excited quasiparticles in a Nb-contacted carbon nanotube quantum dot. Physical Review B, 2014, 89, .	3.2	10
18	Temperature dependence of Andreev spectra in a superconducting carbon nanotube quantum dot. Physical Review B, 2014, 89, .	3.2	53

#	Article	IF	Citations
19	Transversal magnetic anisotropy in nanoscale PdNi-strips. Journal of Applied Physics, 2013, 113, 034303.	2.5	1
20	Negative frequency tuning of a carbon nanotube nano-electromechanical resonator under tension. Physica Status Solidi (B): Basic Research, 2013, 250, 2518-2522.	1.5	8
21	Negative frequency tuning of a carbon nanotube nano-electromechanical resonator under tension (Phys. Status Solidi B 12/2013). Physica Status Solidi (B): Basic Research, 2013, 250, .	1.5	0
22	Magnetic damping of a carbon nanotube nano-electromechanical resonator. New Journal of Physics, 2012, 14, 083024.	2.9	30
23	Universality of the Kondo Effect in Quantum Dots with Ferromagnetic Leads. Physical Review Letters, 2011, 107, 176808.	7.8	82
24	Single electron tunnelling through highâ€Q singleâ€wall carbon nanotube NEMS resonators. Physica Status Solidi (B): Basic Research, 2010, 247, 2974-2979.	1.5	23
25	Characterization of ferromagnetic contacts to carbon nanotubes. Journal of Applied Physics, 2009, 106, 084314.	2.5	13
26	Pumping of Vibrational Excitations in the Coulomb-Blockade Regime in a Suspended Carbon Nanotube. Physical Review Letters, 2009, 102, 225501.	7.8	71
27	Strong Coupling Between Single-Electron Tunneling and Nanomechanical Motion. Science, 2009, 325, 1103-1107.	12.6	348
28	Carbon Nanotubes as Ultrahigh Quality Factor Mechanical Resonators. Nano Letters, 2009, 9, 2547-2552.	9.1	322
29	Nanoelectromechanics of suspended carbon nanotubes. New Journal of Physics, 2008, 10, 095003.	2.9	28
30	Self-detecting gate-tunable nanotube paddle resonators. Applied Physics Letters, 2008, 93, 111909.	3.3	14
31	A widely tunable few-electron droplet. Journal of Physics Condensed Matter, 2007, 19, 236202.	1.8	2
32	Double quantum dots in suspended carbon nanotubes. Journal of Physics: Conference Series, 2007, 92, 012037.	0.4	0
33	Suspended carbon nanotube double quantum dots. Physica Status Solidi (B): Basic Research, 2007, 244, 4184-4187.	1.5	2
34	Molecular states in a one-electron double quantum dot. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 488-492.	2.7	6
35	Spectroscopy of molecular states in a few-electron double quantum dot. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 35, 278-284.	2.7	2
36	Kondo effect in a one-electron double quantum dot: Oscillations of the Kondo current in a weak magnetic field. Physical Review B, 2006, 74, .	3.2	16

#	Article	IF	Citations
37	Direct control of the tunnel splitting in a one-electron double quantum dot. Physical Review B, 2005, 72, .	3.2	70
38	Nuclear spin relaxation probed by a single quantum dot. Physical Review B, 2004, 69, .	3.2	28
39	Probing coherent electronic states in double quantum dots. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 2094-2110.	0.8	3
40	Phase coherent transport in two coupled quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 16, 76-82.	2.7	16
41	Spin blockade in ground-state resonance of a quantum dot. Europhysics Letters, 2003, 62, 712-718.	2.0	36
42	Probing and Controlling the Bonds of an Artificial Molecule. Science, 2002, 297, 70-72.	12.6	224
43	Confinement Related Phenomena in MoS 2 Tubular Structures Grown from Vapour Phase. Israel Journal of Chemistry, 0, , .	2.3	2